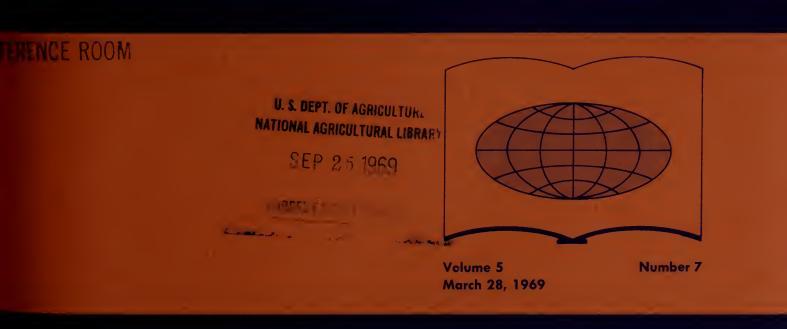
Pesticides Documentation BULLETIN





U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

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

OBJECTIVES AND SCOPE

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

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

FORMAT

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

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

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

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

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

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

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

Other Files

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

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

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

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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

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ACKNOWLEDGMENT

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

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

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

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

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TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)	Pag
10 ENTOMOLOGY	rug
Systematics	1
Physiology and Biochemistry	3
Genetics Medical Entomology	8
20 CROP PROTECTION	8
Diseases	9
Arthropods	13
Nematodes	13
Weeds Other Pests	14 15
30 LIVESTOCK PROTECTION	15
Diseases	16
Arthropods	23
Parasites	23
40 COMMODITY PROTECTION	24
Storage Diseases	24
ArthropodsRodents and Other Pests	*
Microbial Contamination	24
50 ENVIRONMENTAL CONTAMINATION	24
55 RESIDUES	24
60 TOXICOLOGY	25
65 PLANT PHYSIOLOGY & BIOCHEMISTRY	25
70 CHEMISTRY	26
80 ENGINEERING	26
90 INDUSTRY	26
Economics	*
Education	26
Regulations	26
SUBJECT INDEX	27
BIOGRAPHICAL INDEX	81
AUTHOR INDEX.	89
ORGANIZATIONAL INDEX	93

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



ENTOMOLOGY

3739-69

BULLETIN OF THE ENTOMOLOGICAL SOCIETY OF AMERICA.

Entomol Soc Amer Bull 15(1):72P

Mar 1969 423.9 EN8

Conferences, Entomology, Societies.

WHAT THE PRACTITIONER SHOULD KNOW ABOUT ARTHROPODS. (GE)

K Russ

Pflanzenarzt 20(2):15-18

01 Feb 1967 464.9 P482

Arthropoda, Entomology, Eriophyidae, Insect pests, Mites, Oribatei, Tarsonemidae, Tetranychidae. To be continued.

SYSTEMATICS

3741-69

STUDIES ON THE CRAMBINAE (LEPIDOPTERA). PART 44, NEW NEOTROPICAL GENERA AND SPECIES. PRELIMINARY CHECK-LIST OF NEOTROPICAL CRAM-BINAE.

S Bleszynski

Acta Zool Cracov 12(5):39-110 REF

30 Mar 1967 410 AC86

Crambinae, Insect taxonomy, Zoogeography.

NEW PERILAMPIDAE (HYMENOPTERA: CHALCIDOIDEA).

B D Burks

Entomol Soc Wash Proc 71(1):73-81

Mar 1969 420 W27

Chalcidoidea, Chrysolampus anobii, Embia batesi, Embiidae, Euperilampus krombeini, Insect taxonomy, Parasitic insects, Perilampidae, Perilampus philembia.

3743-69

CONTRIBUTIONS TO THE KNOWLEDGE OF ANALGESOIDEA OF CZECHOSLOVAKIA. (FR

V Cerny

Acta Ent Bohemoslov 58(3):288-293

20 Jul 1961 420 C33

Acarina, Analgesidae, Birds, Parasitism, Taxonomy, Zoogeography. Czech summary.

Description of 14 species and sub-species belonging to the following families: Freyanidae, Pterolichidae, Dermoglyphidae, Analgesidae plus a listing of bird hosts.

TO THE FAUNA OF IXODID TICKS OF MONGOLIA.

M Dash

Folia Parasitol 16(1):18

1969 436.8 C33

Catalogs, Host relationships, Insect geography, 1x-odidae, Seasonal variation, Surveys.

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

Inst Fondamental Afr Noire Bull Ser A Sci Natur

Jan 1967 515 D14

Coleoptera, Insect taxonomy, Zoogeography.

CLIMATE AND THE PHYLOGENY AND DISTRIBUTION OF TABANIDAE.

G B Fairchild

Entomol Soc Amer Bull 15(1):7-11 REF

Mar 1969 423.9 EN8

Climate, Insect genetics, Insect taxonomy, Tabanidae, Zoogeography.

3747-69

CATALOG OF THE COLEOPTERA OF AN-GOLA. (POR)

M C Ferreira

Rev Entoinol Mocainbique 8(2):415-1317 MAP

1965 421 R3294

Catalogs, Coleoptera, Insect taxonomy, Zoogeog-

3748-69

THREE NEW RECORDS OF THE GENUS PHANAEUS FROM GEORGIA (COLEOPTERA: SCARABAEIDAE).

G T Fincher R Davis T B Stewart

Entomol Soc Wash Proc 71(1):71-72

Mar 1969 420 W27

Insect taxonomy, Phanaeus igneus nigrocyaneus, Phanaeus torrens niger, Phanaeus vindex cyanellus, Scarabaeidae, Zoogeography.

3749-69

A NEW GENUS AND TWO NEW SPECIES OF CECIDOMYIIDAE ASSOCIATED WITH PARI-ANA SPP. (GRAMINEAE) IN SOUTH AMERICA (DIPTERA).

R J Gagne

Entomol Soc Wash Proc 71(1):108-111

Mar 1969 420 W27

Cecidomyiidae, Chauliodontomyia egregia, Chauliodontomyia parianae, Grasses, Insect taxonomy,

3750-69

GEOGRAPHIC DISTRIBUTION OF THE ANT GENUS FORMICA (HYMENOPTERA: FOR-MICIDAE).

R E Gregg

Entomol Soc Wash Proc 71(1):38-49 MAP REF Mar 1969 420 W27

Formicidae, Insect morphology, Social insects, Zoogeography.

3751-69

A NEW CLICK BEETLE OF THE GENUS AGRIOTES ESCH. (COLEOPTERA,E-LATERIDAE) FROM SOVIET CENTRAL ASIA.

Y L Gur'yeva

Entomol Rev 46(1,JAN-MAR):121-122

1967 421 R322AE

Agriotes, Coleoptera, Elateridae, Insect taxonomy, Zoogeography. The new click beetle identified is Agriotes tadzhikistanicus previously identified as Agriotes nadari and Agriotes squalidus.

3752-69

LETTERS ON LEAF MINERS. (GE)

E M Hering

Dr. W. Junk N.V., The Hague, Netherlands 450P 1968 SB945.L55H4

Agromyzidae, Host indexing (plants), Insect taxonomy, Insects, Leaf miners, Liriomyza.

3753-69

THE LARVA OF CARABUS (HYGROCARABUS THOMS.) VARIOLOSUS VARIOLOSUS FABR. AND ITS POSITION IN THE LARVAL SYSTEM OF GENUS CARABUS L. (COLEOPTERA, CARABIDAE). (GE)

K Hurka

Acta Ent Bohemoslov 58(3):266-271 REF 20 Jul 1961 420 C33

Carabidae, Carabus, Insect morphology, Insect taxonomy, Larvae. Czech summary.

ON THE ORTHOPTEROUS FAUNA IN THE SOUTH OF THE KRASNOYARSK TERRITORY.

I V Ivanova

Entomol Rev 46(1,JAN-MAR):72-80 REF 1967 421 R322AE

Acridoidea, Orthoptera, Surveys, Zoogeography.

NOTES ON THE CHRYSOMELIDAE FROM TAIWAN I.

S Kimoto

Kontyu 35(4):368-374

Nov 1967 421 K833

Chrysomelidae, Coleoptera, Insect identification, Zoogeography. 5 subfamilies (Zeugophorinae, Megalopodinae, Donaciinae, Criocerinae, and Clytrinae) and 30 species are discussed.

A NEW SPECIES ON NEOTROPICAL SEED WEEVIL AFFECTING PIGEON PEAS, WITH NOTES ON TWO CLOSELY RELATED SPE-CIES(COLEOPTERA: BRUCHIDAE: BRUCHIN-AE).

J M Kingsolver

Entornol Soc Wash Proc 71(1):50-55 REF

Mar 1969 420 W27

Acanthoscelides armitagei, Acanthoscelides distin-Acanthoscelides ochraceicolor, Acanthoscelides zeteki, Bruchidae, Coleoptera, Insect taxonomy, Neotropical Region, Pigeonpeas.

A NEW SPECIES OF ANTONINA SIGNORET FROM SOUTH DAKOTA WITH NEW RECORDS FOR A. BOUTELOUAE PARROTT HOMORTERA. COCCUPEA PRESUMENCE (HOMOPTERA: COCCOIDEA: PSEUDOCOC-CIDAE).

M Kosztarab B McDaniel

Entomol Soc Wash Proc 71(1):111-114

Mar 1969 420 W27

Antonina boutelouae, Antonina dakotensis, Bouteloua gracilis, Bouteloua hirsuta, Grasses, Insect taxonomy, Pseudococcidae.

rapilionoidea and Hesperioidea (Lepidoptera) of the Virgin Forest of BIALOWIESKI. (POL) M Krzywicki

M Krzywicki

Pol Akad Nauk Inst Zool Ann Zool 25(1):213P REF

15 Jun 1967 410.9 W26

Butterflies, Hesperiidae, Illustrations, Insect ecology, Insect taxonomy, Lepidoptera, Tables (data), Zoogeography. German and Russian summaries.

3759-69

ON THE STATUS OF CRESSON'S STENOPHASMUS SPECIES FROM CUBA (HYMENOPTERA: BRACONIDAE: DORYC-TINAE).

R W Matthews P M Marsh

Entomol Soc Wash Proc 71(1):94-98

Mar 1969 420 W27

Braconidae, Insect taxonomy, Ptesimogaster gundlachii, Zoogeography. S. gundlachii and S. mecischoides are transferred to Ptes imogaster, S. cubensis and S. pusillus are synonyms of S. gundlachii.

THE PALEARCTIC SPECIES OF MEGATOMA HERBST (COLEOPTERA, DERMESTIDAE).

M Mroczkowski

Pol Pismo Entomol 37(1):3-24 MAP REF

15 Aug 1967 421 P76

Dermestidae, Insect taxonomy, Megatoma, Zoogeography. Polish summary.

TAXONOMY AND DISTRIBUTION OF THE PALEARCTIC NEMAPOGON SPECIES (LEPIDOPTERA, TINEIDAE). (GE)

G Petersen

Acta Ent Bohemoslov 58(3):272-283

20 Jul 1961 420 C33

Insect taxonomy, Nemapogon levanting Nemapogon orientalis, Tineidae, Zoogeography.

CONODONTIS PEPLARIA GEYER, A NOC-TUID, NOT A GEOMETRID (LEPIDOPTERA). R W Poole

Entomol Soc Wash Proc 71(1):107

Mar 1969 420 W27

Geometridae, Insect taxonomy, Noctuidae. Nomenclature, Zethes peplaria.

BIBLIOGRAPHY

3763-69

3763-69

SOLIERELLA NITRARIA SP. N. (HYM., SPHECIDAE). (FR)

W Pulawski

Pol Pismo Entomol 37(1):65-68

15 Aug 1967 421 P76

Insect identification, Insect taxonomy, Solierella nitraria, Sphecidae. Polish summary.

SOUTH AMERICAN COCHYLIDAE (LEPIDOPTERA) FROM THE COLLECTION OF THE BRITISH MUSEUM (NATURAL HISTORY).

J Razowski

Acta Zool Cracov 12(8):163-210

30 Sep 1967 410 AC86

Insect taxonomy, Lepidoptera.

THE COLONIZATION OF LAKE CONSTANCE WITH CHIRONOMIDAE. (GE)

F Reiss

Umschau 68(23):721-722

07 Nov 1968 474 UM7

Aquatic insects, Chironomidae, Insect ecology, Insect populations, Zoogeography.

3766-69

ECOLOGICAL AND SYSTEMATIC INVESTIGATIONS OF THE CHIRONOMIDAE (DIPTERA) OF LAKE CONSTANCE. A CON-**ECOLOGICAL** TRIBUTION TO THE LAKE CHIRONOMIDE FAUNA OF THE NORTHERN FOOTHILLS OF THE ALPS. (GE)

F Reiss

Hohemheim Landwirt Hochsch Diss (21):176-323 REF

Jun 1966 105.8 H686D

Aquatic insects, Chironomidae, Insect ecology, Insect populations, Insect taxonomy, Limnology, Zoogeography. English summary.

Reprint from: Archiv fur Hydrobiologie 64(2):176-323, Mar 1968, Stuttgart, West German.

3767-69

FAUNA OF THE HETEROPTERA ON TOWN WASTE NEOPEDON OF THE PRAGUE PERIPHERY. (CZ)

J Roubal

Acta Ent Bohemoslov 58(3):239-260 MAP REF 20 Jul 1961 420 C33

Flora, Heteroptera, Vegetation, Zoogeography. English summary.

A CONTRIBUTION TO THE GENUS MANTIS LINNE AND PARAMANTIS, NOV. (MAN-TIDAE). (FR)

R Roy

Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1):126-149 REF

Jan 1967 515 D14

Insect identification, Insect taxonomy, Mantidae, Zoogeography. 8 species of the new genus Paramantis are newly described.

A NEW SPECIES OF PENTHETRIA FROM JAPAN (DIPTERA, BIBIONIDAE).

M Sasakawa

Kontyu 35(4):361-363

Nov 1967 421 K833

Bibionidae, Insect identification, Insect taxonomy, Penthetria ritsumeikana. Japanese summary.

FAUNA AND ECOLOGY OF MOSQUITOES IN THE SOUTHERN PART OF THE MOSCOW DISTRICT. (RUS)

O N Sazonova

Moskov Obshch Ispytalelei Prirody Byul Otd Biol 73(2):63-80 REF

1968 511 M85

Culicidae, Insect ecology, Tables (data), Zoogeography. English summary.

3771-69

SUPPLEMENTARY COMMUNICATION CON-CERNING THE OCCURRENCE OF CARADRINA KADENII FRR. (LEP.NOCT.) IN SWITZERLAND. (GE)

A Schmidlin

Entomol Gesell Basel 14(3,MAY-JUN):61 1964 OL461.E58

Lepidoptera, Noctuidae, Zoogeography.

ON NOCTURNAL DARKLING BEETLES OF THE GENUS MELANESTHES LAC. (COLEOP-TERA, TENEBRIONIDAE) FROM CENTRAL KAZAKHSTAN.

N G Skopin

Entomol Rev 46(1, JAN-MAR):123-125

1967 421 R322AE

Insect taxonomy, Melanesthes, Nomenclature, Tenebrionidae.

THE GENUS SUSANA MIDDLETON ROHWER AND (HYMENOPTERA: TENTHREDINIDAE).

D R Smith

Entomol Soc Wash Proc 71(1):13-23 MAP Mar 1969 420 W27

Hymenoptera, Insect taxonomy, Susana annulata, Susana oregonensis, Susana punctata, Susana rufa, Tenthredinidae.

3774-69

COLLEMBOLA FAUNA OF MALTA.

J Stach

Acta Zool Cracov 12(15):393-418 REF

30 Nov 1967 410 AC86

Collembola, Insect taxonomy, Surveys, Zoogeog-

THE ENTOMOLOGY OF THE ISLE OF RHUM NATIONAL NATURE RESERVE.

W O Steel G E Woodroffe

Soc Brit Entomol Trans 18(6):91-167 MAP

Mar 1969 420 SO15

Catalogs, Insect ecology, Insect taxonomy, Population, Surveys.

An extensive list of insect species collected on the Isle of Rhum in the Hebrides by the British Nature Conservancy is provided.

ACALYPTA PULCHRA SP. N.- A NEW SPECIES OF TINGIDAE FROM BULGARIA. (HETEROP-TERA, TINGIDAE). (GE)

I M Stusak

Acta Ent Bohemoslov 58(3):261-265 REF 20 Jul 1961 420 C33

Acalypta pulchra, Insect morphology, Insect taxonomy, Tingidae. Czech summary.

ON THE IDENTITY OF 'DASYTHORAX OGASAWARAE MATSUMURA' (LEPIDOP-TERA, NOCTUIDAE, CUCULLIINAE).

S Sugi

Kontyu 35(4):364-367

Nov 1967 421 K833

Cuculliinae, Dasypolia lama, Dasythorax ogasawarae, Insect identification, Insect taxonomy, Noctuidae. Japanese summary.

MORPHO-SYSTEMATIC STUDIES ON COL-LEMBOLA PART 01. MATERIALS TO A REVISION OF THE GENUS LEPIDOCYRTUS BOURLET, 1839 (ENTOMOBRYIDAE S. L.).

A Szeptycki

Acta Zool Cracov 12(13):369-377

30 Nov 1967 410 AC86

Collembola, Insect names, Insect taxonomy.

3779-69

THREE NEW SPECIES OF ERIOPHYID MITES (ACARIFORMES: ERIOPHYIDAE, CAPHYTOPTIDAE) FROM POLAND. RHYN-

Acta Zool Cracov 12(4):31-37 REF

15 Mar 1967 410 AC86

Eriophyidae, Insect taxonomy, Zoogeography.

TAXONOMIC AND NOMENCLATURAL NOTES ON GONODONTA OBESA (WALKER)(LEPIDOPTERA: NOCTUIDAE).

È L Todd

Entomol Soc Wash Proc 71(1):58-61

Mar 1969 420 W27

Gonodonta obesa, Insect taxonomy, Noctuidae, Nomenclature.

DISTRIBUTION RECORDS FOR MEROPLEON TITAN TODD (CEPIDOPTERA: NOCTUIDAE).

E L Todd

Entomol Soc Wash Proc 71(1):9

Mar 1969 420 W27

Insect taxonomy, Meropleon titan, Zoogeography.

THE NEOTROPIC SPECIES OF XANTHOPIM-PLA (HYMENOPTERA: ICHNEUMONIDAE).

H Townes

Entomol Soc Wash Proc 71(1):82-88

Mar 1969 420 W27

Ichneumonidae, Insect identification, Insect taxonomy, Neotropical Region, Xanthopimpla.

SPHECOIDEA FROM THE RYUKYUS AND FORMOSA (HYMENOPTERA).

K Tsuneki

Kontyu 35(4):382-390

Nov 1967 421 K833

Hymenoptera, Insect identification, Insect taxonomy, Sphecoidea, Zoogeography. 29 species are discussed of the subfamilies Sphecinae, Philanthinae, Nyssoninae, and Larrinae.

3784-69

STUDIES ON THE INSECT FAUNA ON SCOTCH BROOM SAROTHAMNUS SCOPARIUS (L.) WIMMER.

N Waloff

Adv Ecol Res 5:88-208 REF

1968 410 AD92

Birds, Cytisus scoparius, Insect ecology, Insect flight, Insect pests, Predaceous insects, Spiders.

D J Williams

A NEW SPECIES OF ERIOCOCCUS INFEST-ING AMERICAN BEACH-GRASS IN NORTH CAROLINA (HOMOPTERA: COCCOIDEA).

Entomol Soc Wash Proc 71(1):90-93

Mar 1969 420 W27

Ammophila breviligulata, Coccoidea, Eriococcus carolinae, Insect identification, Insect taxonomy.

MATERIALS TO THE KNOWLEDGE OF THE SCALE INSECTS FAUNA OF YUGOSLAVIA (HOMOPTERA, COCCOIDEA).

B Zak-Ogaza

Acta Zool Cracov 12(9):211-217 REF

30 Sep 1967 410 AC86 Coccoidea, Insect taxonomy, Surveys, Zoogeography.

3787-69

NEW SPECIES OF HYPERA (COLEOPTERA, CURCULIONIDAE) FROM THE CRIMEAN MOUNTAINS.

V A Zaslavskiy

Entomol Rev 46(1, JAN-MAR):138-141

1967 421 R322AE

Curculionidae, Hypera, Insect taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

3788-69

THE CONJUGATED PLASMA PROTEINS IN ADULT FEMALES OF PERIPLANETA AMERICANA (L.) UNDER STARVATION AND OTHER STRESS.

K G Adiyodi K K Nayar

Compar Biochem Physiol 27(1):95-104 REF

Oct 1968 444.8 C73

Blood proteins, Electrophoresis, Glycoproteins, Insect nutrition, Insect physiology, Periplaneta americana, Starvation, Stress.

3789-69

PINOCYTOSIS DURING VITELLOGENESIS IN THE MEALWORM, TENEBRIO MOLITOR L. (COLEOPTERA, TENEBRIONIDAE).

S K Aggarwal

Acta Ent Bohemoslov 65(4):272-275 REF

1968 420 C33

Insect physiology, Pinocytosis, Synthesis, Tenebrio molitor, Yolk sac. Czech summary.

CONTROLLING HOUSEHOLD PESTS.

USD A Home Gard Bull (96):32P

Feb 1969 1 AG84HG

Accident prevention, Chemical control (pests), Household pests, Insects, Pesticide application, Pesticides, Rodents.

3791-69

THE EXCITATION OF INSECT SKELETAL MUSCLES.

D J Aidley

Advances Insect Physiol 4:1-31 REF

1967 420 AD9

Insect physiology, Muscles, Neurology.

3792-69

INSECTS AND MITES OF LIVESTOCK AND IN FARM BUILDINGS.

W C Allan

Ontario Dep Agr Publ 91:16 P.

7 ON8P

Cattle, Chemical control (pests), Dairy cattle, Farm buildings, Goats, Horses, Insects, Livestock, Milk, Mites, Poultry, Sheep, Stables, Swine, Tables (data). Published by Ontario Dept. of Agriculture and Food, parliament buildings, toronto.

THREE SPECIES OF MEXICAN KROMBEINIA HAVING AN ELONGATED TEGULA WITH AN EXTENDED APICAL ANGLE (HYMENOPTERA: TIPHIIDAE).

H W Allen

Entomol Soc Wash Proc 71(1):99-102

Mar 1969 420 W27

Insect anatomy, Krombeinia evansi, Krombeinia nayarita, Krombeinia veracruzae, Tegula, Tiphiidae.

3794-69

REMINISCENCE IN THE COLD FLOUR BEETLE (TENEBRIO MOLITOR).

T M Alloway A Routtenberg Science 158(3804):1066-1067

24 Nov 1967 470 SCI2

Insect physiology, Statistical analysis, Tenebrio molitor.

3795-69

LARVAE OF INJURIOUS BEETLES (COLEOPTERA) IN THE SOILS OF THE ARCHEDA FOREST FARM, VOLGOGARD PROVINCE.

Entomol Rev 46(1,JAN-MAR):81-91 REF

1967 421 R322AE

Coleoptera, Insect ecology, Insect pests, Larvae, Soil insects.

3796-69

MICROTERYS CLAUSENI COMPERE (HYM.: ENCYRTIDAE). (JA)

Anonymous Kontyu 35(4):336 Nov 1968 421 K833 Ceroplastes japonicus, Ceroplastes pseudoceriferus, Coccidae, Encyrtidae, Microterys clauseni, Parasitic insects.

3797-69

A SURVEY OF LEAF-MINERS AND THEIR PARASITES ON LABURNUM.

Roy Entomol Soc London Trans 120(PT 1):37P REF

1968 420 L84

Agromyzidae, Diptera, Insect biology, Insect morphology, Laburnum, Lepidoptera, Lyonetiidae, Ornamental trees, Parasitic insects, Surveys.

ISOLATION AND CHARACTERIZATION OF RIBONUCLEIC ACID FROM MUSCA DOMESTICA (L.).

I Balazs M Agosin

Compar Biochem Physiol 27(1):227-237 REF

Oct 1968 444.8 C73

Extracts, Fractionation, Musca domestica, Nucleotides, Ribonucleic acid, Sucrose, Tissue culture.

3799-69

MORTALITY OF MATURE BEETLES IPS TYPOGRAPHUS (L.) (COL., SCOLYTIDAE) IN THE GALLERIES AND ITS CAUSES. (POL)

S Balazy J Bargielski G Ziolkowski C Czerwinska Pol Pismo Entomol 37(1):201-205

15 Aug 1967 421 P76

Bacteria, Entomogenous fungi, Forest insects, Ips typographicus, Microorganisms, Mortality, Nematodes, Parasitism, Predaceous insects, Protozoa, Scolytidae. English summary.

INSECTS AND PHYSIOLOGY; ESSAYS PRESENTED TO SIR VINCENT WIGGLESWORTH, CBE, MD, FRS ON HIS RETIREMENT FROM THE QUICK CHAIR OF BIOLOGY AND DIRECTORSHIP OF THE UNIT OF IN-SECT PHYSIOLOGY IN THE UNIVERSITY OF CAMBRIDGE.

J W L Beament J E Treherne

American Elsevier Pub. Co., New York 378P REF 1968 QL495.15

Central nervous system, Insect behavior, Insect flight, Insect morphology, Insect physiology, Permeability, Pharmacology, Reproduction, Secretion, Sense organs.

A CONTRIBUTION TO THE BIONOMICS AND MORPHOLOGY OF RHADINOCERAEA REITTERI KNW. WITH A DESCRIPTION OF THE LARVA. (HYM., TENTHREDINIDAE).

Acta Ent Bohemoslov 58(3):221-227 REF 20 Jul 1961 420 C33

Insect ecology, Insect morphology, Larvae, Rhadinoceraea reitteri. Czech summary.

STUDIES ON THE LIFE HISTORY AND BIOLOGICAL CONTROL OF THE SPITTLEBUG, CLASTOPTERA UNDULATA UHLER (CERCOPIDAE: HEMIPTERA).

F D Bennett I W Hughes

Entomophaga 8(1):49-66 REF

1963 421 EN835

Biological control (insects), Carabunia myersi, Cercopidae, Clastoptera undulata, Encyrtidae, In-sect biology, Insect morphology, Parasites. French summary.

PROTECTION OF BEES THROUGH THE USE OF INSECTICIDES, HARMLESS OR ONLY SLIGHTLY DANGEROUS TO BEES. (GE)

F Beran

Pflanzenarzt 20(4):38-39 01 Apr 1967 464.9 P482

Acaricides, Arsenic compounds, Bees, Beneficial Chlorinated insects. Carbamates, Carbaryl, hydrocarbons, Dinitrocresol, Insecticide resistant insects. 17 insecticides are listed and their degree of danger to bees is indicated.

THE EFFECT OF ESSENTIAL AMINO ACID DEFICIENCY ON THE SEX-SPECIFIC ACCUMULATION OF A BLOOD PROTEIN IN FEMALE HOUSE-FLIES (MUSCA DOMESTICA

R P Bodnaryk P E Morrison

Compar Biochem Physiol 27(1):365-369

Oct 1968 444.8 C73

Amino acids, Animal nutrition, Blood proteins, Hormones, Insect diets, Musca domestica, Reproduction.

3805-69

JUVENILE HORMONE: ACTIVITY OF ARO-MATIC TERPENOID ETHERS.

W S Bowers

Science 164(3877):323-325

18 Apr 1969 470 SCI2

Biochemistry, Ethers, Hormones, Insect physiology, Oncopeltus fasciatus, Tenebrio molitor, Terpenoids.

STRUCTURE AND DEVELOPMENT OF THE IMAGINAL WING DISCS OF LARVA IN A HOLOMETABOLOUS INSECT, BOMBYX MORI (LEPIDOPTERA, BOMBYCIDAE). (FR) P Cals

Acta Ent Bohemoslov 65(4):269-271

1968 420 C33

Bombyx mori, Insect morphology, Larvae, Metamorphosis, Wings (insects). English and Czech summaries.

VITAMIN A DEFICIENCY: EFFECT ON RETINAL STRUCTURE OF THE MOTH, MAN-DUCA SEXTA.

S D Carlson H R Steeves J S Vandeberg W E Robbins

Science 158(3798):268-270 REF 13 Oct 1967 470 SCI2

Deficiency diseases, Insect histology, Manduca sexta, Retina, Tobacco, Vitamin a.

3808-69

ON THE OCCURRENCE AND SEASONAL DYNAMIC OF DIPTERA, TACHINIDAE IN THE RESERVATION AREA OF JASOV. (CZ.)

J Cepelak Biologia (bratislava) 24(2):158-165

1969 442.8 B5265

Statistical analysis, Tachinidae, Zoogeography. Russian and German abstracts.

PHOTOPERIODISM IN THE HONEY BEE, APIS MELLIFERA L. (HYMENOPTERA, APIDAE).

A V Cherednikov

Entomol Rev 46(1,JAN-MAR):33-37

1967 421 R322AE

Apidae, Apis mellifera, Insect behavior, Insect ecology, Photoperiodism.

USE OF FRESHWATER SPONGE IN CASE CONSTRUCTION OF LIMNEPHILUS SPECIES (TRICHOPTERA: LIMNEPHILIDAE).

M D Clady

Entomol Soc Wash Proc 71(1):98

Mar 1969 420 W27

Insect traps, Limnephilidae, Sponges, Trichoptera.

THE EFFECT OF VARIOUS BIOGENIC AMINES ON THE ACTIVITY OF THE FOREGUT OF THE COCKROACH, BLABERUS GIGANTEUS.

B J Cook J Eraker G R Anderson J Insect Physiol 15(3):445-455 REF

Mar 1969 421 J825 Amines, Blaberus giganteus, Gastrointestinal system, Insect genetics, Insect physiology, Tissue therapy.

3812-69

INFECTION EXPERIMENTS WITH A FUNGUS (COELOMOMYCES) WHICH KILLS MALARIAL MOSQUITOES. (ABSTRACT).

J N Couch C J Umphlett M O P lyengar Science 158(3800):526

27 Oct 1967 470 SC12

Anopheles quadrimaculatus, Biological control (insects), Coelomomyces, Fungi, Greenhouse culture. Abstract of paper presented National Academy of Sciences autumn meeting, Ann Arbor, Mich., 23-25 Oct.,1967.

ON THE DETERMINATION OF AGE STRUCTURE OF THE LARVAE OF TENDIPEDIDAE (DIPTERA).

B Czeczuga E Bobiatynska-Ksok E Niedzwiecki Zool Pol 18(3):317-328 REF 1968 410 Z712

Aquatic insects, Insect morphology, physiology, Larvae, Tendipedidae. Polish and Russian summaries.

TEMPERATURE AND CIRCADIAN CONTROL OF CUTICLE GROWTH ON THE BUG, ON-COPELTUS FASCIATUS.

H Dingle R L Caldwell J B Haskell J Insect Physiol 15(3):373-378 REF Mar 1969 421 J825

Belostomatidae, Cuticle, Diurnal rhythm, Insect physiology, Oncopeltus fasciatus, Temperature.

3815-69

FACTORS AFFECTING THE OXIDATION OF GLYCEROL-1-PHOSPHATE BY INSECT FLIGHT-MUSCLE MITOCHONDRIA.

J F Donnellan R B Beechey J Insect Physiol 15(3):367-372

Mar 1969 421 J825

Calcium, Glycerol, Insect flight, Insect physiology, Mitochondria, Muscles, Oxidation, Phosphates, Strontium.

3816-69

OCCURRENCE SPECIES OF THE TRICHOCLADIUS (CHIRONOMIDAE, TRIFASCIA EDWARDS IN THE DIPTERA) DANUBE. (GE)

E Ertlova

Biologia (bratislava) 24(2):155-157

1969 442.8 B5265

Aquatic insects, Insect ecology, Trichocladius, Zoogeography. Russian and Czech abstracts.

STRUCTURE AND FUNCTION OF THE GIANT FIBRE SYSTEM IN THE COCKROACH, PERIPLANETA AMERICANA.

R D Farley N S Milburn

J Insect Physiol 15(3):457-476 REF

Mar 1969 421 J825

Insect anatomy, Insect physiology, Nerves, Nervous system, Periplaneta americana.

3818-69

STUDIES OF NEOTROPICAL CADDIS FLIES. VIII: THE IMMATURE STAGES OF BARYPENTHUS CLAUDENS (TRICHOPTERA: ODONTOCERIDAE).

O S Flint

Entomol Soc Wash Proc 71(1):24-28

Mar 1969 420 W27

Barypenthus claudens, Insect identification, Neotropical Region, Odontoceridae, Trichoptera.

3819-69

NATURAL ENEMIES OF LASPEYRESIA POMONELLA L. (LEPIDOPTERA, TORTRICIDAE) AND THE EFFECT OF CHEMICAL TREATMENT ON THEIR USEFUL ACTIVITY.

N K Gaprindashvili T N Novitskaya Entomol Rev 46(1,JAN-MAR):39-42 REF 1967 421 R322AE

Biological control (insects), Carpocapsa pomonella, Chemicals, Fruit, Insect behavior, Insect pests, Olethreutidae, Predaceous insects.

3820-69

NEW DATA ON ACCUMULATION OF S35 AND RU106 B' (ODONATA). BY DRAGONFLY **NYMPHS**

A B Getsova G A Volkova Entomol Rev 46(1,JAN-MAR):38

1967 421 R322AE

Aeshna grandis, Aquatic insects, Insect biochemistry, Insect physiology, Odonata, Radioactive tracers, Ruthenium isotopes, Sulfur isotopes.

3821-69

CHANGES IN SOLUBLE PROTEINS DURING FOOT-PAD DEVELOPMENT IN SARCOPHAGA BULLATA.

E Goldberg J Whitten L I Gilbert J Insect Physiol 15(3):409-420 REF Mar 1969 421 J825

Chromosomes, Extremities, morphology, Insect physiology, Proteins, Pupae, Sarcophaga bullata.

3822-69

INVESTIGATIONS ON THE DEVELOPMENT OF AEGYPTIANELLA PULLORUM CARPANO, 1928, IN THE SOFT TICK ARGAS (PERSICAR-GAS) PERSICUS.(OKEN, 1818) BY MEANS OF FLUORESCENT ANTIBODIES. (GE

R Gothe H Becht

Z Parasitenk 31(4):315-325 10 Mar 1969 442.8 Z33F

Aegyptianella, Argas persicus, Development, Fluorescent antibody technic, Host relationships, Insect diseases. English abstract.

3823-69

EUROPEAN SPECIES OF THE GENU MYOSPILA ROND. (DIPT., MUSCIDAE). (GE) F Gregor

Acta Ent Bohemoslov 65(4):299-318 MAP REF 1968 420 C33

Insect ecology, Insect identification, Muscidae, Myospila, Zoogeography. English and Czech summaries.

REMARKS ON FLUCTUATIONS IN DENSITY OF CARABIDAE POPULATIONS.

L Grum

Ekol Pol Ser A (SER A)15(14):11P REF 1967 512 W263

Carabidae, Insect populations, Zoogeography. Polish summary.

3825-69

DESCRIPTION OF THE LARVA OF PARENA (PARENA) PERFORATA (BATES), WITH SOME NOTES ON ITS LIFE HISTORY (CARABIDAE).

A Habu K Sadanaga Kontyu 35(4):391-397 Nov 1967 421 K833

Carabidae, Insect biology, Insect identification, Larvae, Parena perforata, Predaceous insects. English summary.

STUDIES ON THE INCREMENT OF THE EFFICACY OF INSECTICIDES (IX). ON THE SYNERGISTIC ACTION OF PYRETHROSIN WITH PYRETHROID. (JA)

A Hayashi H Aoki T Saito Botyu-kagaku 33(4):130-134

Nov 1968 421 B65

Chemical control (insects), Insecticides, Musca domestica, Pyrethrum, Synergism. English summa-

3827-69

EARLY MORPHOGENESIS OF TUMOURS IN-DUCED BY NOSEMA ACRIDOPHAGUS IN MELANOPLUS SANGUINIPES.

J E Henry

J Insect Physiol 15(3):391-394 REF

Mar 1969 421 J825

Insect physiology, Melanoplus sanguinip Morphology, Neoplasms, Nosema acridophagus.

3828-69

THE FORAGE PLANTS OF RHAGADES PRUNI SCHIFF. (GE)

P Hunziker

Entomol Gesell Basel 14(3,MAY-JUN):75

1964 QL461.E58

Blackberries, Blueberries, Caterpillars, Forage plants, Insect behavior, Insect nutrition, Rosa.

FAUNAL AND ECOLOGICAL STUDY ON THE FAMILIES NYCTERIBIIDAE AND STREBLIDAE (DIPT., PUPIPARA) OF THE NANGAHAR PROVINCE (EASTERN AFGHANISTAN).

K Hurka D Povolny

Acta Ent Bohemoslov 65(4):285-298 MAP REF 1968 420 C33

Diptera, Insect ecology, Nycteribiidae, Streblidae, Zoogeography. Czech summary.

STUDIES ON THE ADULT DIAPAUSE OF THE BROAD BEAN WEEVIL, BRUCHUS RUFIMANUS. (JA)

N Ikeno

Botyu-kagaku 33(4):135-138

Nov 1968 421 B65

Bruchus rufimanus, Food plants, Insect adaptation, Insect morphology, English summary,

PHYSIOLOGICAL AND ULTRASTRUCTURAL STUDY OF THE CORPORA ALLATA OF LOCUSTA MIGRATORIA L. (ORTHOPTERA) IN THE GREGARIOUS PHASE. (FR)

L Joly P Joly A Porte A Girardie Arch Zool Exp Gen 109(4):703-727 REF

30 Dec 1968 410 AR24

Corpora allata, Electron microscopy, Insect physiology, Locusta migratoria, Ultrastructure. English abstract.

3832-69

ON OCULAR REGENERATION IN LITHOBIUS FORFICATUS L. (MYRIOPODA CHILOPODA). (FR)

R Joly C Herbaut

Arch Zool Exp Gen 109(4):591-612 REF 30 Dec 1968 410 AR24

Chilopoda, Eyes, Insect physiology, Nerves, Regeneration. English abstract.

PARATEPHRITIS TRANSITORIA RHOD. (DIPTERA, TEPHRITIDAE), A FLY THAT FORMS GALLS ON TASSEL FLOWERS IN THE MARITIME TERRITORY.

M N Kandybina O V Kovalev V A Rikhter Entomol Rev 46(1,JAN-MAR):63-65 REF 1967 421 R322AE

Flowers, Gall-making insects, Insect biology, Insect ecology, Paratephritis transitoria, Plant galls, Tephritidae.

SOME BIOLOGICAL NOTES ON BOMBUS IG-NITUS SMITH WITH SPECIAL REFERENCE TO THE NEST STRUCTURE (HYM. APIDAE). (JA)

E Katayama

Kontyu 35(4):343-352

Nov 1967 421 K833

Apidae, Bombus ignitus, Insect behavior, Nesting habits, Social insects. English summary.

STUDY ON ATTRACTANT OF THE RICE BORER, CHILO SUPPRESSALIS STEM WALKER. (JA)

T Kawano T Saito K Munakata Botyu-kagaku 33(4):122-130

Nov 1968 421 B65

Attractants, Chemicals, Chilo suppressalis, Crambidae, Food, Food plants, Methylacetophenone, 4'-, Olfactometers, Rice. English summary.

30 compounds related to p-methylacetophenone were tested and many rice varieties

EFFECTS OF LONG-TERM CARDIATECTO-MY-ALLATECTOMY ON MITOCHONDRIAL RESPIRATION IN THE COCKROACH, BLABERUS DISCOIDALIS.

L L Keeley S Friedman

J Insect Physiol 15(3):509-518 REF

Mar 1969 421 J825

Blaberus discoidalis, Corpora allata, Corpora cardiaca, Insect physiology, Insect respiration, Mitochondria.

3837-69

INSECT METABOLISM OF PHOTOALDRIN AND PHOTODIELDRIN.

M A Q Khan J D Rosen D J Sutherland

Science 164(3877):318-319 18 Apr 1969 470 SCI2

Aldrin, Culicidae, Dieldrin, Diptera, Insect metabolism, Insect physiology, Light, Toxicology.

3838-69

REVIEW OF THE PARASITIC DIPTERA OF THE GENUS ERIOTHRIX MEIGEN (DIPTERA, TACHINIDAE) IN THE USSR.

N G Kolomiyets

Entomol Rev 46(1, JAN-MAR):142-151

1967 421 R322AE

Diptera, Eriothrix, Insect behavior, Parasitic insects, Tachinidae, Zoogeography.

3839-69

SIGNIFICANCE OF THE PARASITE APHIDIUS ERVI HALIDAY (BRACONIDAE, HYMENOP-TERA IN CONTROLLING THE DENSITY OF POPULATION OF ACYRTHOSIPHON PISUM HARRIS. (CZ)

J Kralovic V Vallo

Biologia (bratislava) 24(2):148-154

1969 442.8 B5265

Acyrthosiphon pisum, Aphidius, Life cycle. Russian abstract.

LEAF BEETLE LARVAE OF THE SUBFAMILY EUMOLPINAE AND OF SYNETA BETULAE F. (COLEOPTERA, CHRYSOMELIDAE).

G F Kurcheva

Entomol Rev 46(1,JAN-MAR):132-137 REF 1967 421 R322AE

Chrysomelidae, Eumolpinae, Insect biology, Larvae, Leaves, Syneta betulae.

STUDIES ON SEX PHEROMONES OF PYRALIDIDAE. CHANGES IN THE QUALITY OF THE SEX PHEROMONE IN THE FEMALE ALMOND MOTH, CADRA CAUTELLA WALKER (PHYCITINAE). (JA)

Y Kuwahara C Kitamura F Takahashi H Fukami

Botyu-kagaku 33(4):158-162

Nov 1968 421 B65

Biological assay, Cadra cautella, Insect physiology, Pheromones, Phycitidae, Pyralidae, Sex attractants. English summary.

CHANGES IN GONADS AND PRIMARY SEX-UAL CHARACTERS IN TRIPLOID INTER-SEXES OF DROSOPHILA MELANOGASTER (DIPTERA) EXPOSED TO THE EFFECT OF DIFFERENT TEMPERATURES. (FR)

G Lauge

Acta Ent Bohemoslov 65(4):263-268 REF 1968 420 C33

Drosophila melanogaster, Gonads, Insect physiology, Reproductive organs, Temperature. English and Czech summaries.

3843-69

SIZE INDEPENDENT SECRETION BY THE CORPUS ALLATUM OF CALLIPHORA ERYTHROCEPHALA.

A O Lea E Thomsen

J Insect Physiol 15(3):477-482 REF

Mar 1969 421 J825

Brain, Calliphora vicina, Corpora allata, Insect nutrition, Insect physiology, Meat, Secretion, Size, Sugar.

3844-69

PARASITES OF LADYBIRDS (COLEOPTERA, COCCINELLIDAE) PROVINCE. IN LENINGRAD

Y Y Lipa V P Sem'yanov

Entomol Rev 46(1,JAN-MAR):43-45 REF

1967 421 R322AE

Coccinellidae, Fungi, Gregarinida, Hymenoptera, Insect behavior, Microsporidia, Parasitic insects, Parasitism.

3845-69

THE INSECT FAUNA IN THE BURROWS OF THE LONG-CLAWED MOLE-VOLE, A CAUCA-SIAN ENDEMIC SPECIES.

Y A Lyayster

Entomol Rev 46(1,JAN-MAR):111-120 REF

1967 421 R322AE

Coleoptera, Diptera, Habitats, Hymenoptera, Insect ecology, Rodents, Siphonaptera, Zoogeography.

A MITE OF THE GENUS TYDEUS (ACARIFORMES, TYDEIDAE) THAT IS A GRAPE PEST IN MOLDAVIA.

N I Mal'chenkova

Entomol Rev 46(1,JAN-MAR):66-68

1967 421 R322AE

Acarina, Eupodidae, Grapes, Insect behavior, Insect pests, Mites.

3847-69

A DESCRIPTION OF THE DEVELOPMENTAL STAGES OF CTENOPHORA GUTTATA WIED.
AND A REVIEW OF THE CZECHOSLOVAK
SPECIES OF THE GENUS CTENOPHORA
(DIPT., TIPULIDAE). (GE)

J Martinovsky

Acta Ent Bohemoslov 65(4):319-324 REF 1968 420 C33

Ctenophora, Ctenophora guttata, Insect identification, Insect morphology, Larvae, Pupae, Tipulidae. English and Czech summaries.

The 5 species of Ctenophora that have been identified are C. pectinocornis, C. guttata, C. flovealata, C. elegans, and C. festiva.

THE USE OF ATTRACTANTS IN PEST CONTROL. 2. SEX ATTRACTANTS. (GE

K Mayer

Gesunde Pflanzen 20(9):179-180,182,184-189

Sep 1968 464.8 G33

Biological control (insects), Insect physiology, Light traps, Pest control, Pheromones, Sex attractants. Sex attractants for many insects are discussed.

3849-69

FUNDAMENTAL PROPERTIES OF INTENSITY, FORM, AND MOTION PERCEPTION IN THE VISUAL NERVOUS SYSTEMS OF CALLIPHORA, PHAENICIA AND MUSCA DOMESTICA.

G D McCann J C Dill

J Gen Physiol 53(4):385-413 MAP REF

Apr 1969 447.8 J822

Calliphora, Insect physiology, Musca domestica, Nervous system, Phaenicia, Vision.

3850-69

CONTROLLING INSECTS AND OTHER PESTS WITH PHOSPHONOTHIOATES. PATENT 3,428,655.

T M Melton H A Kaufman

Us Patent Office Offic Gaz 859(3):924 18 Feb 1969 156.65 OF2

Chemical control (insects), Chemistry, Insect pests, Insecticides, Organic compounds, Patents, Phosphonothioates, Phosphorus, Sulfur.

3851-69

NEW DATA ON THE BIOLOGY OF CADDIS-FLIES (TRICHOPTERA, LIMNEPHILIDAE, APATANIINAE) OF LAKE BAICAL. I. LIFE SPAN AND MASS FLIGHT OF ADULTS.

T V Menshutkina

Entomol Rev 46(1,JAN-MAR):51-58 REF 1967 421 R322AE

Apatania, Insect biology, Insect flight, Insect physiology, Trichoptera, Zoogeography.

THE BEHAVIOR OF ADULTS OF ABUNDANT SPECIES OF CADDISFLIES (TRICHOPTERA) IN THE TRIBUTARIES OF LAKE SEVAN.

A M Meshkova

Entomol Rev 46(1,JAN-MAR):59-60

1967 421 R322AE

Insect behavior, Insect biology, Trichoptera, Zoogeography.

Families Rhyacophilidae, covered: Philopotamidae, Psychomyidae, Polycentropidae, Hydropsychidae, Leptoceridae, Limnophilidae, and Sericostomatidae.

COMMUNITY STUDIES ON HYMENOPTERA FOUND ON BRASSICA NAPUS L. PART III. BRACONIDAE AND APHIDIIDAE. (POL)

B Miczulski

Pol Pismo Entomol 37(1):167-191 REF

15 Aug 1967 421 P76

Aphididae, Braconidae, Host indexing (plants), Hymenoptera, Insect pests, Insect populations, Parasitic insects, Rape. English summary.

3854-69

FOOD SOURCES OF SOME MOSQUITO SPECIES IN THE NATURAL FOCUS OF TAHYNA VIRUS IN SOUTHERN MORAVIA.

J Minar

Folia Parasitol 16(1):81-92 REF

1969 436.8 C33

Aedes, Anopheles, Culicidae, Food habits, Insect behavior, Insect vectors, Tahyna virus, Virus diseases (animals).

3855-69

A CONTRIBUTION TO THE BIONOMY OF CULEX MODESTUS FIC. (DIPTERA, CULICIDAE) IN SOUTHERN MORAVIA.

J Minar

Folia Parasitol 16(1):93-96

1969 436.8 C33

Culex, Food habits, Insect ecology, Zoogeography.

3856-69

LYSOZYME IN THE HUMORAL DEFENSE MECHANISM OF SPECIFICALLY AND NON-SPECIFICALLY IMMUNIZED INSECT LAR-VAE. (GE)

W Mohrig B Messner

Biol Rundschau 5(4):181-183 REF

1967 442.8 B5272

Bacteria, Bactericides, Immunity, Insect biology, Insect diseases, Insect protective devices, Larvae, Muramidase.

THE TOXIC ACTION OF A MIXTURE OF GAMMA-BHC AND EDB TO CRYPHALUS FUI-VUS NIIJIMA. STUDIES ON THE CONTROLOF FOREST PESTS. V. (JA)

S Nagasawa S Asano S Fushimi

Botyu-kagaku 33(4):153-158

Nov 1968 421 B65

Chemical control (insects), Chlorinated hydrocarbons, Cryphalus fulvus, Ethylene dibromide, For st insects, Insecticides, Lindane, Scolytidae, Toxins. English summary.

THE INFLUENCE OF PHOTOPERIOD AND TEMPERATURE ON THE INDUCTION OF DIAPAUSE IN MULBERRY PYRAIID, GLYPHODES PYLOALIS WALKER. (JA) S Nakamura

Sansi-kenkyu (65):149-156 Oct 1967 425.9 J273S

Insect morphology, Photoperiodism, Pyralidae, Temperature. English summary.

TWO TYPES OF CARBOXYESTERASE DEGRADING MALATHION IN RESISTANT HOUSEFLIES AND THEIR INHIBITION BY SYNERGISTS.

H Ohkawa M Eto Y Oshima F Tanaka K Umeda Botvu-kagaku 33(4):139-145 REF

Nov 1968 421 B65

Carboxylesterase, Degradation, Electrophoresis, Enzymes, Insecticide resistant insects, Malathion, Musca domestica, Organophosphorus compounds, Phosphoric acid esters, Synergists. Japanese summarv.

COMPARATIVE STUDIES OF THE DEVELOP-MENT OF PLASMODIUM CYNOMOLGI BASTIANELLII IN ANOPHELES STEPHENSI AND A. ALBIMANUS. (GE)

Z Tropenmed Parasitol 19(4):370-389 REF Dec 1968 448.8 Z37

Anopheles albimanus, Anopheles stephensi, Insect histology, Insect physiology, Parasitism, Plasmodium. English summary.

3861-69

THE EFFECT OF DIET ON THE PHYSIOLOGY OF THE BROWN-TAIL MOTH, EUPROCTIS CHRYSORRHOEA L. (LEPIDOPTERA, LIPARIDAE).

G A Pantyukhov

Eittomol Rev 46(1,JAN-MAR):21-26 REF

1967 421 R322AE

Diet, Food plants, Insect nutrition, Insect physiology, Lymantriidae, Nygmia phaeorrhoea.

STUDY OF THE MORPHOGENESIS OF THE MAXILLARY STYLET OF RHODNIUS PROLIXUS BY TRANSPLANTATIONS OF INCOMPLETE STYLOGENETIC ORGANS. (FR) J M Pinet

Arch Zool Exp Gen 109(4):613-641

30 Dec 1968 410 AR24

Insect morphology, Mouth parts, Rhodnius prolixus, Tissue transplants. English abstract.

SPECIFICITY OF POPULATION-AGGREGATING PHEROMONES IN DENDROCTONUS.

G B Pitman J P Vite G W Kinzer A F Fentiman J Insect Physiol 15(3):363-366 REF

Mar 1969 421 J825

Chemoreceptors, Dendroctonus, Insect physiology, Insect populations, Olfactory responses, Pheromones.

INNERVATION OF THE GUT OF THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA L. (ORTHOPTERA, ACRIDIDAE).

S 1 Plotnikova

Entomol Rev 46(1,JAN-MAR):69-71 REF 1967 421 R322AE

Acrididae, Histology, Insect physiology, Intestines, Locusta migratoria, Nervous system.

RECORD OF THE MOTH EAR MITE, DICROCHELES PHALAENODECTES, IN OHIO (ACARINA: MESOSTIGMATA).

V Prasad

Entomol Soc Wash Proc 71(1):7-9

Mar 1969 420 W27

Dicrocheles phalaenodectes, Insect anatomy, Insect identification, Mesostigmata, Pseudaletia unipuncta.

EFFECTS OF APHOLATE ON THE BIONOMICS OF MUSCA DOMESTICA NEBU-LO FABR.

O P Raghuwanshi I Ahmad N H Khan

Botyu-kagaku 33(4):119-122

Nov 1968 421 B65

Apholate, Biological control (insects), Chemical control (insects), Chemosterilants, Insect ecology, Musca domestica. Japanese summary.

CHANGES IN INSECTICIDE SENSITIVITY IN THE BEAN WEEVIL ACANTHOSCELIDES OBTECTUS SAY, BROUGHT ABOUT BY INDUCED PIGMENT FORMATION. (GE)

W Reichmuth

Gesunde Pflanzen 19(10):208-212

Oct 1967 464.8 G33

Acanthoscelides obtectus, Beans, Chlorinated hydrocarbons, Copper sulfate, DDT, Fertilizers, Insecticide resistant insects, Magnesium sulfate, Molybdenum, Pigments (insect), Potassium, Zinc

IS IT POSSIBLE TO PREDICT APPLE MOTH INFESTATIONS . (GE)

K Russ

Pflanzenarzt 20(4):35-36

01 Apr 1967 464.9 P482

Apples, Carpocapsa pomonella, Insect outbreak forecasting, Tables (data).

DISTRIBUTION OF SEED BEETLES (COLEOP-TERA, BRUCHIDAE) IN THE FOREST-STEPPE ZONE OF THE EASTERN UKRAINE.

A P Rybalko

Entomol Rev 46(1,JAN-MAR):92-96

1967 421 R322AE

Bruchidae, Forest insects, Insect ecology, Zoogeography.

3870-69

SALT AND WATER TRANSPORT BY THE IN VITRO COCKROACH MIDGUT.

J R Sauer R Schlenz-true R R Mills J Insect Physiol 15(3):483-493 REF

Mar 1969 421 J825

Biological transport, Gastrointestinal system, Insect physiology, Periplaneta americana, Sodium chloride, Water.

CHANGES IN THE COMPOSITION OF LIPIDS AND FATTY ACIDS IN ADULT CULEX TARSALIS AND ANOPHELES FREEBORNI DURING THE OVERWINTERING PERIOD.

C H Schaefer R K Washino

J Insect Physiol 15(3):395-402 REF

Mar 1969 421 J825

Anopheles freeborni, Culex tarsalis, Fatty acids, Hibernation, Insect biochemistry, Insect physiology, Lipids.

3872-69

CONTROL SYSTEMS IN INSECT DEVELOP-MENT. (ABSTRACT).

H A Schneiderman E Gateff Science 158(3800):534-535

27 Oct 1967 470 SC12

Cells, Insect genetics, Insect histology, Insect morphology, Synthesis. Abstract of paper presented at National Academy of Sciences autumn meeting, Ann Arbor, Mich., 23-25 Oct., 1967.

3873-69

BEMBECIA PECTINATA STGR. AND ITS FIRST STAGES. (LEPIDOPTERA, SESIIDAE).

R Schwarz V Tolman

Acta Ent Bohemoslov 58(3):284-287

20 Jul 1961 420 C33

Bembecia pectinata, Insect morphology, Lepidoptera, Sesiidae. Czech summary.

BITING MIDGES OF THE GENUS CULI-COIDES MG. (DIPTERA, CERATOPOGONIDAE) FROM THE VALLEY OF THE MIDDLE REACHES OF THE DESNA. A K Shevchenko

Entomol Rev 46(1,JAN-MAR):97-106 REF 1967 421 R322AE

Ceratopogonidae, Culicoides, Insect behavior.

SO 13-09
EFFECT OF GAMMA-IRRADIATION OF LATE EMBRYO ON THE GROWTH OF SILKGLANDS AND ON SILK PRODUCTION IN THE SILKWORM, BOMBYX MORI. (JA)

H Shigematsu H Takeshita

J Sericult Sci Jap 37(2):88-94 REF Apr 1968 425.9 SE6

Bombyx mori, Cobalt isotopes, Dosage, Embryos, Gamma rays, Insect physiology, Irradiation. English summary.

NOTES ON THE PARASITES OF THE ROOT APHIDS (HYMENOPTERA, APHIDIDAE).

P Stary

Acta Ent Bohemoslov 58(3):228-238 REF

20 Jul 1961 420 C33

Aphididae, Braconidae, Homoptera, Hymenoptera, Insect identification, Insect taxonomy, Parasitic insects, Roots. Czech summary.

THE HYPERGLYCAEMIC ACTIVITY OF THE CORPUS ALLATUM IN AN INSECT.

J Insect Physiol 15(3):421-423

Mar 1969 421 J825

Brain, Chromatography, Corpora allata, Hyperglycemia, Insect physiology, Periplaneta amer-

3878-69

PHYLOGENETIC RELATIONSHIPS WITHIN THE RHOPALOCERA ON THE BASIS OF THE FUNCTIONAL MORPHOLOGY OF THE GENITAL APPARATUS.

A A Stekol'nikov

Entomol Rev 46(1,JAN-MAR):1-11 REF

1967 421 R322AE

Insect morphology, Insect physiology, Reproductive organs, Rhopalocera.

3879-69

MEXICAN FRUIT CONTAINMENT.

Sunkist Pest Contr Circ (372):1

Nov 1968 423.9 C12E

Chemical control (insects), Insect traps, Irradiation, Quarantine, Spraying, Sterility, Tephritidae.

STUDIES ON SEX PHEROMONES OF PYRALIDIDAE. II. MASS REARING OF VIRGIN FEMALES OF THE ALMOND MOTH, CADRA CAUTELLA WALKER (PHYCITINAE).

F Takahashi C Kitamura Y Kuwahara H Fukami Botyu-kagaku 33(4):163-168

Nov 1968 421 B65

Cadra cautella, Insect rearing, Pheromones, Phycitidae, Pyralidae, Sex attractants, Temperature. English summary

3881-69

ORIGIN OF OXALIC ACID IN CA OXALATE CRYSTALS IN THE MALPIGHIAN TUBES OF THE TENT CATERPILLAR, MALACOSOMA NEUSTRIA TESTACEA.

S Y Takahashi G Suzuki E Ohnishi J Insect Physiol 15(3):403-407

Mar 1969 421 J825

Calcium oxalate, Insect biochemistry, Larvae, Lasiocampidae, Malacosoma neustria, Malpighian tubes, Oxalic acid, Radioactivity.

EFFECT OF REARING CONDITION ON GROWTH AND DEVELOPMENT OF THE SILKWORM, BOMBYX MORI L., ON ARTIFICIAL DIET. II. (JA)

K Takamiya

Sansi-kenkyu (65):66-73

Oct 1967 425.9 J273S

Bombyx mori, Insect morphology, Insect physiology, Insect rearing, Temperature. English summary.

REPORT OF THE ANTI-LOCUST RESEARCH

T H C Taylor D T Haskell

Her Majesty's Stationery Office, London, England (PT 1/2):50P REF

1965 SB945.L7A53

Acrididae, Agricultural research, Reports.

3884-69

ON THE EFFECT OF COMBINED ACTION OF PATHOGENIC MICROORGANISMS AND INSECTICIDES UPON INSECTS. (RUS)

N A Telenga

Zhur Obshch Biol 29(5,SEP/OCT):501-514 REF 1968 442.8 Z6

Fertility, Insect pests, Insect populations, Insecticides, Integrated control (insects), Microorganisms, Mortality. English summary.

LARVAL FEEDING HABITS OF CERTAIN CHLOROPIDAE (DIPTERA).

K Valley T Wearsch B A Foote Entomol Soc Wash Proc 71(1):29-34

Mar 1969 420 W27

Chloropidae, Diptera, Feeding, Fungi, Insect behavior, Insect nutrition, Larvae.

THE EFFECT OF THE AMOUNT OF BLOOD TAKEN AND ADDITIONAL CARBOHYDRATE NUTRITION ON OOGENESIS IN FEMALES OF BLOOD-SUCKING MOSQUITOES OF THE GENUS AEDES (DIPTERA, CULICIDAE) OF VARIOUS WEIGHTS AND AGES.

N V Volozina

Entomol Rev 46(1,JAN-MAR):27-32 REF 1967 421 R322AE

Aedes, Aging, Blood, Carbohydrates, Culicidae, Insect nutrition.

AN ELECTRON MICROSCOPE STUDY OF THORACIC MITOCHONDRIAC MEMBRANES IN DEVELOPING ADULTS OF THE BLOWFLY LUCILIA CUPRINA.

A C Walker L M Birt

J Insect Physiol 15(3):519-527 REF

Mar 1969 421 J825

Electron microscopy, Insect morphology, Insect physiology, Lucilia cuprina, Mitochondria, Thorax.

MATING AND OVIPOSITION BEHAVIOR OF THE COFFEE LEAF MINER, LEUCOPTERA COFFEELLA (LEPIDOPTERA: LYONETIIDAE).

D W Walker V Quintana

Entomol Soc Wash Proc 71(1):88-90

Mar 1969 420 W27

Breeding, Coffee, Insect behavior, Leucoptera coffeella, Lyonetiidae, Oviposition, Reproduction.

HONEYBEES: DO THEY USE DIRECTION AND DISTANCE INFORMATION PROVIDED BY THEIR DANCERS.

A M Wenner D L Johnson

Science 158(3804):1072-1077 REF

24 Nov 1967 470 SCI2

Apis mellifera, Insect behavior, Insect physiology, Insect protective devices, Social insects.

PHAGOCYTIC HAEMOCYTES IN UNFIXED GALLERIA MELLONELLA LARVAE.

R A Werner J C Jones

J Insect Physiol 15(3):425-437 REF

Mar 1969 421 J825

Blood cells, Galleria mellonella, Insect physiology, Larvae, Phagocytes.

PROBLEM INSECTS IN 1967 - HOW TO CONTROL THEM IN 1968.

P H Wooley

Mich State Hort Soc Annu Rep 96-100 1968 81 M58

Aphididae, Chemical control (insects), Cicadellidae, Coleoptera, Insect pests, Insecticide application, Insecticides, Moths, Noctuidae, Panonychus

3892-69

INCORPORATION OF PALMITATE-1-C14 INTO LIPIDS OF THE BLOWFLY DURING FLIGHT.

W J Yurkiewicz C F Mathur J Insect Physiol 15(3):439-444 REF

Mar 1969 42I J825

Carbohydrates, Carbon isotopes, Insect biochemistry, Insect flight, Insect physiology, Lipids, Palmitic acid compounds, Phaenicia sericata, Radioactive tracers.

GENETICS

3893-69

CHROMOSOMES OF SYRPHIDAE. IV. KARYOTYPES OF FOURTEEN SPECIES IN THE TRIBE CHRYSOTOXINI.

J W Boyes J M van Brink R D Mehta

Chromosoma 24(2):233-242

04 Jun 1968 442.8 C46

Chromosomes, Insect genetics, Syrphidae.

MEIOSIS IN THE MALE OF PUTO ALBICANS (COCCOIDEA-HOMOPTERA).

S W Brown C Cleveland

Chromosoma 24(2):210-232 REF

04 Jun 1968 442.8 C46

Cytogenetics, Insect evolution, Insect genetics, Meiosis, Puto.

LIPIDS OF DROSOPHILA: A NEWLY DETECTED LIPID IN THE MALE.

F M Butterworth

Science 163(3873):1356-1357

21 Mar 1969 470 SCI2

Chromatography, Drosophila melanogaster, Insect biology, Insect genetics, Lipids.

3896-69

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

R Camenzind R B Nicklas

Chromosoma 24(3):324-335 REF

13 Aug 1968 442.8 C46

Gryllotalpa hexadactyla, Insect genetics, Meiosis, Spermatocytes.

3897-69

THE INFLUENCE OF THE GENOTYPE ON THE FREQUENCY OF RADIATION-INDUCED ANEUPLOIDY IN THE OOGENESIS OF DROSOPHILA MELANOGASTER. (RUS)

N W Glotoff

Genetika 4(4):60-64

1968 OH431.A1G4

Drosophila melanogaster, Insect genetics, Oogenesis, Polyploidy, Radiation. English summary.

HEREDITARY NATURE OF THE TWO FORMS OF ARGYROGRAMMA (BREMER AND GREY) PLUSIINAE). ALBOSTRIATA (NOCTUIDAE,

T Ichinose H Takahashi Y Ishino Kontyu 35(4):329-336 REF

Nov 1967 421 K833

Argyrogramma albostriata, Heredity, Insect genetics, Insect morphology, Insect rearing, Noctuidae, Polymorphism, Wings (insects).

3899-69

SALIVARY GLAND CHROMOSOME VARIA-TION IN THE DROSOPHILA AFFINIS SUB-GROUP. II. COMPARISON OF C-CHROMOSOME PATTERNS IN ATHABASCA AND FIVE RELATED SPECIES. D D Miller W G Sanger

J Hered 59(6,NOV-DEC:)323-327 REF

Dec 1968 442.8 AM3

Chromosomes, Cytogenetics, Drosophila, Insect evolution, Insect genetics, Salivary glands.

CHROMOSOMES OF THE CEREAL LEAF BEE-TLE.

T Ninan D H Smith S G Wellso

J Hered 59(6,NOV-DEC):361-362 REF

Dec 1968 442.8 AM3

Chromosomes, Cytogenetics, Insect genetics, Meiosis, Oulema melanopus.

ENDOMITOSIS IN THE MEALY BUG, PLANOCOCCUS CITRI (HOMOPTERA: COC-COIDEA).

U Nur

Chromosoma 24(2):202-209

04 Jun 1968 442.8 C46

Chromosomes, Cytogenetics, Insect genetics, Mitosis, Planococcus citri

The sequence of stages of endomitosis in the Malpighian tubules of the mealy bug, Planococcus citri, are compared to other hemipteran insects.

3902-69

MUTATION RATES AND MORTALITIES AFTER X-IRRADIATION OF THE EARLY DEVELOPMENT STAGES OF DROSOPHILA MELANOGASTER. (GE)

U B Petermann

Mutation Res 5(3,MAY-JUN):397-410 REF 1968 443.8 M98

Chromosomes, Drosophila melanogaster, Insect genetics, Insect mutation, Irradiation. English summary.

3903-69

AN AUTOSOMAL RECESSIVE GENE IN PYRR-HOCORIS.

T M Rizki K Slama

J Hered 59(6,NOV-DEC):327-328

Dec 1968 442.8 AM3

Insect genetics, Insect mutation, Pyrrhocoris apterus.

NOTES ON THE CHROMOSOMES OF TWO SPECIES OF COCKROACHES. (JA

K Saitoh M Saitoh

Kontyu 35(4):337-342 REF

Nov 1967 421 K833 Blattella germanica, Blattidae, Chromosomes, Insect genetics, Periplaneta americana. English sum-

mary. 3905-69

GENETICS OF ORGANOPHOSPHATE RE-SISTANCE IN THE TWO-SPOTTED SPIDER MITE (TETRANYCHUS URTICAE KOCH).

G G M Schulten Ainsterdam Inst Trop Mededel (57):57P REF 1968 503 AM82

Insect genetics, Insecticide resistant insects, Organophosphorus compounds, Tetranychus urticae.

RELATIVE VIABILITY OF HETEROZYGOTES AND HOMOZYGOTES WITH RESPECT TO THE IRRADIATED CHROMOSOME IN DROSOPHILA MELANOGASTER. (RUS)

B V Shilenko Genetika 4(4):65-77 REF

1968 QH431.A1G4

Chromosomes, Drosophila melanogaster, Insect genetics, Irradiation. English summary.

HETEROGENEITY IN THE TRINIDAD DDT-RESISTANT STRAIN AND THE QS SUSCEPTI-BLE STRAIN OF AEDES AEGYPTI L. THE ISOLATION OF HIGHLY RESISTANT AND HIGHLY SUSCEPTIBLE SUBSTRAINS. R J Wood

World Health Organ Bull 39(4):639-645 REF 1968 449.9 W892B

BIBLIOGRAPHY

3908-69

Aedes aegypti, DDT, Insect genetics, Insecticide resistant insects. French summary.

MEDICAL ENTOMOLOGY

3908-69

COMPARATIVE STUDIES OF AMERICAN AND AFRICAN TRYPANOSOMIASIS.

World Health Organ Tech Rep Ser (411):40P 1969 449.9 W892T

Drug therapy, Epidemiology, Human diseases, Im-Methodology, munization, Insect ve Parasites, Trypanosomiasis. vectors,

CROP PROTECTION

3909-69

HOW TO PREVENT SUN AND HEAT DAMAGE TO DESERT-GROWN TOMATOES.

Anonymous

Amer Veg Grower 17(4):58-59 Apr 1969 80 C733

Dosage, Plant hardiness, Plant injuries, Spraying, Tomatoes.

ELECTRON MICROSCOPE EXAMINATION OF ULTRA-THIN SECTIONS OF STREPTOMYCES VIRIDOCHROMOGENES FOR HYPHAL ANASTOMOSES.

E Baldacci P Heiniger

Milan Univ Inst Patol Veg Pubbl Raccolta (325):141-152 REF

1967 464.9 M582 Anastomosis, Culture media, Electron microscopy, Fungi, Plant genetics, Plant physiology, Streptomyces viridochromogenes. Italian summary.

Reprint from: Giornale di Microbiologia 14:141-152 1966.

3911-69

PLANT PROTECTION IN THE HEART OF EUROPE. AUSTRIAS CONTRIBUTION TO THE INTERNATIONAL FIGHT AGAINST PLANT PESTS AND DISEASES AND, THROUGH THIS, TO THE IMPROVEMENT OF THE FOOD SITUATION. (GE)

F Beran

Pflanzenarzt 20(9):97-99

01 Sep 1967 464.9 P482

Crops, Fungi, Insect pests, Plant diseases, Plant pest control, Plant protection, Weeds.

CROP ROTATION HYGIENE IN GRAIN CUL-TURES. (GE)

H Bockmann

Gesunde Pflanzen 19(10):201-206

Oct 1967 464.8 G33

Crop rotation, Grain, Insect pests, Plant disease resistance, Plant nematodes, Plant protection.

3913-69

CURRENT STATUS ON CHEMICAL THINNING OF PEACHES AND PEARS IN MICHIGAN.

M J Bukovac J E Gilmore

Mich State Hort Soc Annu Rep 87-91

1968 81 M58

1968 81 MJo
Chlorophenoxy-alpha-propionamide,
acid, Chlorophenoxy-alpha-propionic acid, 3-, Naphthylacetamide, Peaches, Pears, Spraying, Thinning (fruit).

3914-69

THE TRAINING COURSE OF THE EUROPEAN PLANT PROTECTION ORGANIZATION IN ENGLAND. (GE)

P Burmeister

Gesunde Pflanzen 20(12):267-271

Dec 1968 464.8 G33

Bacterial diseases (plants), Erwinia amylovora, Fire blight, Fruit, International cooperation, Plant protection, Symptomatology, Virus diseases protection, Symptomatology, (plants).

3915-69

PLANT PROTECTION ANNUAL REPORT 1967. (**GE**)

G Glaeser

Pflanzenarzt 21(3):32-33

01 Mar 1968 464.9 P482

Plant pest control, Plant protection, Reports.

3916-69

INSECT CONTROL FOR GARDEN VEGETA-BLES.

H W Goble

Ontario Dep Agr Publ 356:6 P.

7 ON8P

Accident prevention, Aphididae, Biochemistry, Carbaryl, Chemical control (pests), Ddt, Diazinon, Dusting, Elateridae, Gardens, Insect pests, Malathion, Methoxychlor, Nicotine, Noctuidae, Rotenone, Slugs, Spraying, Tables (data), Vegetables. Published by Dept. of Agriculture and Food, accliment buildings according to the control of the parliament buildings, toronto

3917-69

THIS MAY BE THE YEAR FOR SPRAY THIN-NING.

M B Hoffman

Amer Fruit Grower 89(3):18,20

Mar 1969 80 G85W

Apples, Peaches, Pears, Spraying, Thinning (fruit), Thinning sprays.

THE PLANT PROTECTION IMPORT CONTROLS IN BAVARIA. (GE)

Gesunde Pflanzen 20(12):262-265 MAP Dec 1968 464.8 G33

Import control, Insect pests, Plant disease control, Plant nematodes, Plant protection, Plant quaran-

3919-69

MICROBES AND CHEMICALS AGAINST PLANT PESTS. (RUS)

N A Krasienikov

Sel'skokhozyast Biol 2(6):857-865 REF 1967 S13.S44

Antibiotics, Biological control (pests), Chemical control (pests), Insect pests, Plant diseases. English summary.

MORPHOLOGICAL VARIATION IN THE SU-GARCANE SMUT, USTILAGO SCITAMINEA

A K Lambat V V Chenulu B L Chona Mycopathol Mycol Appl 36(314):300-304 1968 450 M994

Fungi, Isolates, Plant morphology, Smut, Sugar-

3921-69

ELECTRIFYING AGRICULTURE AND HOR-TICULTURE.

S Laverton

New Scientist 38(594):182-183

25 Apr 1968 472 N42

Animal physiology, Crop yields, Light, Plant physiology, Temperature.

3922-69

STRETCH YOUR PEST CONTROL DOLLARS.

F H Lewis

Amer Fruit Grower 89(3):21,40,42

Mar 1969 80 G85W

Costs, Insect pests, Pest control, Plant diseases, Plant protection, Spraying, Spraying equipment.

SUPPLEMENT TO THE PLANT PROTECTION BULLETIN. (FR)

G Meylan

Rev Horticole Suisse 41(7):174-175

Jul 1968 80 R3212

Anthracnose, Apples, Beans, Carpocapsa pomonella, Fungus diseases (plants), Glomerella lindemuthianum, Insect pests, Pears, Ring spot, Venturia pirina.

THE PRESENT STATE OF RESEARCH AND OF THE CONTROL OF RICE PESTS. (GE)

B Ohnesorge

Berlin Biol Bundesanst Land-forstwirtsch Mitt (129):71P REF

Aug 1968 410.9 G31M

Biological control (insects), Bird pests, Chemical control (pests), Insect outbreak forecasting, Insect pests, Plant diseases, Plant nematodes, Plant pest control, Research, Rice, Rodents.

3925-69

SOIL FUMIGATION AT BOSKOOP. (DU)

H Rattink

Neth Dir Tuinbouw Mededel 31(617,JUN-JUL):269-273

1968 86 N384

Dichloropropane dichloropropene mixture, Dosage, Methyl bromide, Methyl isothiocyanate, Plants, Soil fumigation, Soil microorganisms. English summary.

3926-69

THE IMPORTANCE OF APPLIED ENTOMOLOGY FOR AUSTRIAN PLANT PROTECTION. (GE)

K Russ

Pflanzenarzt 20(9):100-102

01 Sep 1967 464.9 P482

Chemical control (plant diseases), Entomology, History, Insect outbreak forecasting, Legislation, Nematology, Plant pest control, Plant protection, Virus diseases (plants).

3927-69

ON THE VALUE OF OUR BIRDS. (GE)

H Schonbeck

Pflanzenarzt 20(2):10-11 01 Feb 1967 464.9 P482

Animal nutrition, Beneficial birds, Bird pests, Insect pests, Natural control (insects), Rodents.

3928-69

THE EFFECT OF TEMPERATURE ON ASCO-SPORE RELEASE BY SCLERODERRIS LAGER-

BERGII. D D Skilling

Plant Dis Rep 53(4):289-291

Apr 1969 1.9 P69P

Environment, Fungi dissemination, Scleroderris lagerbergii, Spores, Temperature.

NEW WAYS FOR ORGANIZING THE COOPERATION BETWEEN PLANT PROTECTION SERVICES AND APICULTURISTS. (GE)

W Springensguth Gesunde Pflanzen 20(9):190-192

Sep 1968 464.8 G33

Apiculture, Beneficial insects, Legislation, Plant protection.

3930-69

PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE CONTROL STATION OF GENEVA. FEBRUARY. (FR)

Rev Horticole Suisse 41(2):52-53

Feb 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Insect pests, Ornamental plants, Plant disease control.

PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE CONTROL STATION OF GENEVA. AUGUST. (FR)

Rev Horticole Suisse 41(8):206-207

Aug 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Insect pests, Ornamental plants, Plant disease control.

3932-69 PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE CONTROL STATION OF GENEVA. SEPTEMBER. (FR)

Rev Horticole Suisse 41(9):230-232 Sep 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Insect pests, Ornamental plants, Plant disease control.

DISEASES

3933-69

ARE FERTILIZER PROGRAMS RELATED TO FIREBLIGHT AND FRUIT DISORDERS AT

Mich State Hort Soc Annu Rep 108-113

1968 81 M58

Bacterial diseases (plants), Calcium, Fertilizers, Fire blight, Fruit, Harvesting, Nitrogen, Phosphorus, Plant disease resistance, Plant nutri-Nitrogen, tion, Potassium. Other elements used were magnesium, manganese, iron, boron, copper and zinc.

3934-69

PSEUDOMONAS SYRINGAE INFECTION OF SWEET CHERRY FRUIT IN UTAH.

J L Anderson B N Wadley J P Schaelling Plant Dis Rep 53(4):301-303

Apr 1969 1.9 P69P

Blight, Canker, Epidemiology, Fungus diseases (plants), Mazzard cherries, Pseudomonas syringae, Weather.

3935-69

REACTION OF TOMATO **VARIETIES** AGAINST ALTERNARIA CLADOSPORIUM FULVUM. SOLANI AND

KS Aulakh RK Grover Plant Dis Rep 53(5):399

May 1969 1.9 P69P

Alternaria solani, Cladosporium fulvum, Crop varieties, Fungus diseases (plants), India, Plant disease resistance, Tomatoes.

A NEW LEAF SPOT OF PARA RUBBER (HEVEA BRASILIENSIS) IN NIGERIA.

V A Awoderu

Plant Dis Rep 53(5):406-408

May 1969 1.9 P69P

Corynespora cassiicola, Fungus diseases (plants), Hevea brasiliensis, Leaf spot, Rubber.

VIRUS DISEASES AND THE SELECTION OF GRAPES. (IT)

E Baldacci G Belli E Refati

Milan Univ Inst Patol Veg Pubbl Raccolta (312):G1P

1967 464.9 M582

Chemical control (nematodes), Grapes, Plant breeding, Plant disease control, Plant disease transmission, Plant nematodes, Virus diseases (plants).

No. 42 in series Edagricole Universale, Edizioni Agricole, Bologna, Italy.

3938-69

NOTES ON THE INTERNATIONAL MEETING ON VIRUS AND VIRUS DISEASES OF GRAPES, HELD AT BERNKASTEL (WEST GERMANY) IN SEPTEMBER 1967. (IT)

E Baldacci G Belli

Milan Univ Inst Patol Veg Pubbl Raccolta (313):239-249

1967 464.9 M582

Grape vineyards, Insect vectors, Symptomatology, Virology, Virus diseases (plants). English summa-

Reprint from: Rivista di Patologia Vegetale ser. IV 3(4,Oct-Dec) 1967.

THE CAUSES OF DISEASE IN PLANT PATHOLOGY. (IT)

E Baldacci

Milan Univ Inst Patol Veg Pubbl Raccolta (308):94-98

1967 464.9 M582

Plant diseases, Plant genetics, Vegetables. English, German, Spanish and French summaries.

Reprint from: Studi in onore di Ugo Pratolongo . Vol. XI della rivista Agrochimica, 1967.

THE PLANT DISEASE OBSERVATORY OF MILAN. (IT)

E Baldacci M Martelli

Milan Univ Inst Patol Veg Pubbl Raccolta (310):3-7 MAP REF

1967 464.9 M582

Agricultural research, Crops, Plant diseases, Plant protection, Reports. Reprint from. Agricoltura (8), August 1967, Rome, Italy.

STEM AND ROOT DISEASES OF BEANS.

B Ballantyne

Agr Gaz New S Wales 79(8):463-468

Aug 1968 23 N472

Beans, Chemical control (plant diseases), Cultural control (plant diseases), Fungus diseases (plants), Fusarium solani phaseoli, Rhizoctonia, Sclerotinia sclerotiorum, Sclerotium rolfsii.

The symptoms of several rot diseases that affect the stems and roots of beans are specifically diagnosed. Because different causal organisms require different control measures the importance of accurate identification of the disease is stressed.

3942-69

INVESTIGATIONS ON HYDRANGEA RING SPOT VIRUS AND PROOF OF ITS PRESENCE IN ITALY. (IT)

G Belli G Giussani-Belli

Milan Univ Inst Patol Veg Pubbl Raccolta (315):3-16 REF

1967 464.9 M582

Electron microscopy, Hydrangea, Ring spot, Symptomatology, Virology, Virus diseases (plants). En-

Reprint from: Rivista di Patologia Vegetale ser. IV 3(3,Jul-Sep):3-16 1967.

PROBLEMS AROUND THE INCIDENCE AND CONTROL OF FUSARIUM OXYSPORUM IN TULIPS. (DU)

B H H Bergman

Neth Dir Tuinbouw Mededel 31(617,JUN-JUL):274-277

1968 86 N384

Epidemiology, Fungus diseases (plants), Fusarium oxysporum, Plant disease control, Plant extracts. English summary.

FREEZING AND THAWING OF PURIFIED SUSPENSIONS OF THE TOBACCO MOSAIC VIRUS AND ITS EFFECT ON INFECTIVITY.

E Betto Conti G Vegetti

Milan Univ Inst Patol Veg Pubbl Raccolta

(318):309-321 REF

1967 464.9 M582

Electron microscopy, Mosaic, Temperature, Tobacco, Virology, Virus diseases (plants). English

Reprint from: Rivista di Patologia Vegetale ser. IV 3(4,Oct-Dec):309-321 1967.

3945-69

PHOMA EXIGUA DESM. AND ITS VARIETIES.

G H Boerema L H Howeler

Persoonia 5(PT 1):15-28 REF

1967 OK600.P4

Diagnosis, Fungus cultures, Fungus diseases (plants), Phoma exigua, Taxonomy.

3 more specialized pathogenic varieties of this species are distinguished: var. linicola on flax, var. foveata on potato, and var. sambuci-nigrae on elder.

3946-69

RESISTANCE OF **DWARF-INTERNODE** CASTOR (RICINUS COMMUNIS) TO VERTICILLIUM WILT.

R D Brigham E B Minton

Plant Dis Rep 53(4):262-266

Apr 1969 1.9 P69P

Castorbeans, Cotton, Fungus diseases (plants), Plant disease resistance, Verticillium albo-atrum, Wilt.

3947-69

DUTCH ELM DISEASE DETECTED IN ALABAMA.

H D Brown D R Kucera P H Preacher

Plant Dis Rep 53(4):307

Apr 1969 1.9 P69P

Ceratocystis ulmi, Dieback, Epidemiology, Fungus diseases (plants), Symptomatology, Ulmus alata.

THE PRESENT STATE OF GRAPE CULTURE VIRUS RESEARCH. (GE)

H Bruckbauer

Weinberg Keller 15(8):413-434 REF

Aug 1968 95.8 W435

Grapes, Insect vectors, Plant disease control, Plant disease transmission, Plant nematodes, Research, Virology, Virus diseases (plants).

PLANT PATHOLOGY FIELD DAY.

W J Byford

Bull British Mycol Soc 2(1):51-52

Mar 1968 QK600.B7

Beans, Crop varieties, Fungus diseases (plarts), Halo blight, Plant disease resistance, Virus diseases (plants).

3950-69

DISCOVERY AND DISTRIBUTION OF FUSICOCCUM CANKER OF RUSSIAN OLIVE IN ILLINOIS.

J C Carter F O Dodd Plant Dis Rep 53(5):392

May 1969 1.9 P69P

Canker, Fungus diseases (plants), Fusicoccum elaeagni, Olives.

3951-69

VIRUS DISEASES SURVEY ON CITRUS IN THE BLACK SEA REGION. (TU

A Cengiz N Tekinel M S Dolar S Sagsoz O Hancioglu

Bitki Koruma Bulteni 8(3):172-180

1968 464.8 B542

Citrus, Symptomatology, Virus diseases (plants). English summary.

SURVEY, SCREENING, AND BREEDING FOR BACTERIAL BLIGHT RESISTANCE IN COT-

C F Chew J T Presley G Staten Plant Dis Rep 53(5):390-391

May 1969 1.9 P69P

Bacterial blight, Bacterial diseases (plants), Cotton, Epidemiology, Plant breeding, Plant disease resistance, Surveys.

3953-69 R C Close

STEM RUST OF WHEAT IN CANTERBURY.

New Zealand Wheat Rev (10):47-52

1967 59.8 N48 Fungus diseases (plants), Puccinia graminis, Stem rust, Wheat.

MAIZE DWARF MOSAIC-EFFECTS OF VIRUS STRAINS A AND B ON YIELD AND INTERACTION EFFECTS OF ATRAZINE AND THE VIRUS ON YIELD.

H Cole D R MacKenzie J S Boyle C D

Ercegovich

Plant Dis Rep 53(5):340-344

May 1969 1.9 P69P

Atrazine, Chemical control (plant diseases), Corn, Crop yields, Dwarf mosaic, Virus diseases (plants).

A FLOWER BLIGHT OF CHRYSANTHEMUM IN SOUTH FLORIDA.

R S Cox

BIBLIOGRAPHY

3956-69

Plant Dis Rep 53(4):257-259

Apr 1969 1.9 P69P

Alternaria, Blight, Carbamates, Chemical control (plant diseases), Chrysanthemum, Fungicides, Fungus diseases (plants), Stemphylium, Symptomatology, Tetrachloroisophthalonitrile.

3956-69

DISEASES AND PARASITES OF THE ROSE. (FR)

A Duperrex

Rev Horticole Suisse 41(7):1-16

Jul 1968 80 R3212

Chemical control (plant diseases), Copper carbonate, Diazinon, DDT, Fungus diseases (plants), Illustrations, Insect pests, Lindane, Plant physiological diseases, Rosa, Symptomatology, Thiocarbamates, Zineb.

3957-69

LOW TEMPERATURE SPRAYS FOR DUTCH ELM DISEASE CONTROL.

A H Epstein

Plant Dis Rep 53(4):304-306

Apr 1969 1.9 P69P

Ceratocystis ulmi, Chemical control (plant diseases), Chlorinated hydrocarbons, Dieback, DDT, Fungus diseases (plants), Methanol, Methoxychlor, Spraying, Temperature, Ulmus, Water.

3958-69

CROWN RUST OF OATS IN CANADA IN 1968.

G Fleischmann

Can Plant Dis Surv 48(3):99-101

Sep 1968 464.9 C16S

Crop losses, Crown rust, Fungus diseases (plants), Oats, Puccinia coronata

3959-69

SOME OBSERVATIONS ON THE SHAPE AND LOCALIZATION OF DIFFERENT VIRUSES IN EXPERIMENTALLY INFECTED PLANTS, AND ON THE FINE STRUCTURE OF THE HOST CELLS. IV:ABABIS MOSAIC VIRUS IN PETU-NIA HYBRIDA HORT.

F M Gerola M Bassi G Giussani-Belli Milan Univ Inst Patol Veg Pubbl Raccolta (321):481-491

1967 464.9 M582

Arabis, Electron microscopy, Mosaic, Petunia, Plant physiology, Virology, Virus diseases (plants). Italian summary

Reprint from: Caryologia 19(4):481-491 1966.

3960-69

BROAD-BEAN STAIN AND TRUE BROAD-BEAN MOSAIC VIRUS.

A J Gibbs G Giussani-Belli H G Smith Milan Univ Inst Patol Veg Pubbl Raccolta (319):99-107 REF 1967 464.9 M582

Broadbeans, Mosaic, Symptomatology, Virology, Virus diseases (plants).

Reprint from: Annals of Applied Biology (g1):99-107 1968.

3961-69

INDEX TESTS OF CERTIFIED AND UNCER-TIFIED NURSERY FRUIT WASHINGTON IN 1968. TREES

B Gomec E C Blodgett M D Aichele

Plant Dis Rep 53(4):243-244

Apr 1969 1.9 P69P

Fruit nurseries, Indexing, Testing, Virus diseases (plants).

3962-69

AIR-BORNE RUST INO WESTERN CANADA IN 1968. INOCULUM OVER

G J Green J W Martens Can Plant Dis Surv 48(3):110-111

Sep 1968 464.9 C16S

Air-borne plant diseases, Fungus diseases (plants), Leaf rust, Stem rust.

PREVENTION OF THE SPREAD OF NON-PER-SISTENT PLANT VIRUSES BY OIL SPRAYING. (DU)

F A Hakkaart

Neth Dir Tuinbouw Mededel 31(617,JUN-JUL):262-268 REF

1968 86 N384

Chemical control (plant diseases), Oils, Phytotoxicity, Spraying, Virus diseases (plants). English summary.

3964-69

CHEMICAL CONTROL OF STRIPE SMUT IN MERION KENTUCKY BLUEGRASS.

P M Halisky C R Funk P L Babinski

Plant Dis Rep 53(4):286-288

Apr 1969 1.9 P69P

Benomyl, Chemical control (plant diseases), Chlorinated hydrocarbons, Fungus diseases (plants). Furyl)-benzimidazole, 2-(2-, Pen-(plants), Furyl)-benzimidazole, 2-(2-, Pentachloronitrobenzene, Poa pratensis, Stripe smut, Ustilago striiformis.

THE IDENTITY OF PHYLLACTINIA ON WINGED ELM IN GEORGIA.

R T Hanlin

Plant Dis Rep 53(5):395-397

May 1969 1.9 P69P

Fungus diseases (plants), Phyllactinia angulata, Powdery mildew, Ulmus alata.

SOME OBSERVATIONS ON THE LATE OCCURRENCE OF PERONOSPORA ON GRAPES IN THE PERIOD 1964-1966. (GE)

J Henner

Pflanzenarzt 20(3):25-26

01 Mar 1967 464.9 P482

Climate, Fungicides, Fungus diseases (plants), Grapes, Peronospora, Rainfall, Spraying.

FUNGICIDES FOR ARABICA COFFEE 17-RELATIONSHIPS AMONG SOME NEW FUNGICIDES, LEAF RUST (HEMILEIA VASTATRIX), LEAF FALL AND YIELD.

D Hocking G H Freeman

Trop Agr &st Augustine & 45(2):141-145

Apr 1968 26 T754

Chemical control (plant diseases), Coffee, Copper oxychloride, Fungicides, Fungus diseases (plants), Hemileia vastatrix, Leaf rust.

Although copper oxychloride provided more effective control of coffee leaf rust than seven new fungicides tested, at no dosage did it exceed more than about 30 percent of the control value.

ADDITIONAL VARIETIES OF AGROSTIS PA-LUSTRIS INFECTED BY USTILAGO STRIIFORMIS VAR. AGROSTIDIS. **USTILAGO**

C F Hodges

Plant Dis Rep 53(4):298-299

Apr 1969 1.9 P69P

Agrostis palustris, Crop varieties, Fungus diseases (plants), Stripe smut, Ustilago striiformis.

LOSSES FROM FUSARIUM STEM ROT CAUSED BY FUSARIUM ROSEUM, IN PRODUCTION OF CUTTINGS OF CARNATION, DIANTHUS CARYOPHYLLUS.

R K Horst P E Nelson

Florists Rev 143(3715):39,110-113

06 Feb 1969 80 W41

Crop losses, Dianthus caryophyllus, Fungus diseases (plants), Fusarium roseum, Plant cuttings,

STUDIES OF LEPTOSPHAERIA AVENARIA F. SP. TRITICEA ON WHEAT IN NORTH DAKOTA.

R M Hosford R O Hogenson J E Huguelet R L

Plant Dis Rep 53(5):378-381 REF

May 1969 1.9 P69P

Fungus cultures, Fungus diseases (plants), Leptosphaeria, Septoria, Wheat.

3971-69

EFFICACY OF FUNGICIDES, HOT WATER AND GAMMA-IRRADIATION FOR CONTROL OF POSTHARVEST FRUIT ROTS OF PAPAYA.

J E Hunter I W Buddenhagen E S Kojima

Plant Dis Rep 53(4):279-284 REF Apr 1969 1.9 P69P

Aminobutane, 2-, Dichloro-4-nitroaniline, 2,6-, Fruit rot, Fungicides, Fungus diseases (plants), Gamma rays, Papayas, Plant disease control, Thermotherapy.

3972-69

FUNGUS DISEASES OF COTTON SEEDLINGS IN EGYPT. (GE)

M H Jakob

Hohemheim Landwirt Hochsch Diss (11):66P MAP REF

May 1967 105.8 H686D

Captan, Chemical control (plant diseases), Chlorinated hydrocarbons, Cotton, Disulfoton, Fungus diseases (plants), Fusarium moniliforme, Fusarium oxysporum, Pentachloronitrobenzene, Plant disease resistance, Pythium ultimum, Rhizocario carrii Scattlice, Pythium ultimum, Rhizocario carrii scattlice tonia gossypii, Seedlings.

BIOLOGY OF THE FUNGUS ASPERGILLUS FLAVUS LINK AND ITS INFECTIVITY TO PLANTS AND ANIMALS.

Joffe

Hebrew University Of Jerusalem, Israel 187P REF 29 Sep 1968 QK623.A9H4

Aflatoxin, Aspergillus flavus, Biology, Feed contamination, Fungicides, Fungus diseases (plants), Peanuts, Plant geography.

3974-69

FUSARIUM WILT (RACE 2) OF TOMATO: CALCIUM, PH, AND MICRONUTRIENT EFFECTS ON DISEASE DEVELOPMENT.

J P Jones S S Woltz

Plant Dis Rep 53(4):276-279

Apr 1969 1.9 P69P

Calcium, Fungus diseases (plants), Fusarium, Hydrogen-ion concentration, Micronutrients, Nutrient solutions (plants), Tomatoes, Wilt.

FRUIT DISEASE PROBLEMS AND NEW AP-PROACHES TO THEIR CONTROLS.

E J Klos

Mich State Hort Soc Annu Rep 92-94

1968 81 M58

Apples, Bacterial diseases (plants), Brown rot, Cherries, Fire blight, Fruit, Fungus diseases (plants), Leaf spot, Plant disease control, Scab.

MICRONUTRIENTS: THE SECRET BETTER YIELDS FOR FARMERS.

Good Farming 19(2):46-47

Mar 1968 7 G59

Crop yields, Micronutrients, Plant nutrition, Plant nutritional deficiencies.

3977-69

LODGING RESISTANCE IN WHEAT. II. IDENTIFICATION OF SUPERIOR GENETIC STOCKS.

S P Kohli K K Mukherjee K L Sethi

Indian J Agron 12(3):236-242 REF Sep 1967 22 IN235

Crop losses, Lodging, Plant disease resistance, Plant diseases, Plant genetics, Wheat.

VIRULENCE OF VARIOUS GROUPS OF LOOSE SMUT OF BARLEY, (USTILAGO NUDA (JENS.) ROSTR.) PHYSIOLOGICAL RACES IN THE LIGHT OF ANATOMICAL INVESTIGA-TIONS OF SPRING BARLEY VARIETIES DIF-FERENT WITH REGARD TO RESISTANCE. I.

SPREADING OF PATHOGENE IN HOST PLANT TISSUE. (POL)

W Kozera

Hodowla Roslin Aklimatyzacja Nasiennictwo 11(2):143-177 REF

1967 64.8 H66

Barley, Crop varieties, Fungus diseases (plants), Loose smut, Plant anatomy, Plant disease re-sistance, Plant physiology, Ustilago nuda. English and russian summaries.

ELEMENTS FOR A STUDY ON THE NEEDLE-CAST FUNGUS OF SCOTCH PINE LOPHODERMIUM PINASTRI (SCHRAD.) CHEV. PHENOLOGICAL STUDY: FALL OF NEEDLES AND DEVELOPMENT OF HYSTEROTHECIA. (FR

L Lanier

Forestierier Sci Ann 25(1):35-50 REF

1968 99.9 F845

Fungus diseases (plants), Lophodermium pinastri, Pinus sylvestris, Plant physiology. English and German summaries.

CONTRIBUTION TO THE STUDY OF OLIGOSPORIC ACTINOMYCETES. I. DESCRIPTION OF A NEW SPECIES OF ACTINOBIFIDA: ACTINOBIFIDA ALBA SP. NOV. AND REVISION OF THE GENUS.

R Locci E Baldacci B Petrolini

Milan Univ Inst Patol Veg Pubbl Raccolta (327):79-91 REF

1967 464.9 M582

Actinomycetes, Bacterial diseases (plants), Biochemistry, Morphology. Italian summary.

Reprint from: Giornale di Microbiologia 15:79-91 1967.

3981-69

AVOID YELLOW DWARF VIRUS BY LATE SOWING.

A D Lowe

New Zealand Wheat Rev (10):59-63

1967 59.8 N48

Grain, Plant protection, Planting, Time, Virus diseases (plants), Yellow dwarf.

AGLAONEMA PICTUM, A NEW HOST OF ERWINIA CHRYSANTHEMI.

L A McFadden

Plant Dis Rep 53(4):253-254

Apr 1969 1.9 P69P

Aglaonema, Bacterial diseases (plants), Erwinia chrysanthemi, Leaves, Soft rot, Symptomatology.

DISEASE AND INSECT CONTROL IN HOME ORCHARDS.

N E McGlohon E D Harris

Ga Univ Coll Agr Ext Serv Circ (522):7P

Nov 1968 275.29 G29C

Accident prevention, Chemical control (insects), Chemical control (plant diseases), Conotrachelus nenuphar, Dosage, Fruit, Insect control, Insect pests, Insecticides, Plant diseases, Pruning, Sanninoidea exitiosa, Spraying.

THE OCCURRENCE OF THE DOWNY MIL-DEW DISEASE OF TOBACCO. (GE

W Mentzel

Gesunde Pflanzen 20(12):266

Dec 1968 464.8 G33

Downy mildew, Epidemiology, Fungus diseases (plants), Tobacco.

3985-69

BIOCHEMISTRY OF PLANT IMMUNITY AND DORMANCY AS THE FOUNDATION FOR THE CROP PROTECTION AGAINST DISEASES AND GERMINATION. (RUS)

L V Metlitsky

Priklad Biokhim Mikrobiol Akad Nauk SSSR 3(5,SEP/OCT):534-541 1967 385 P93

Antibiotics, Immunity, Plant biochemistry, Plant diseases, Plant dormancy, Plant metabolism, Plant protection, Seed germination. English summary.

LOPHODERMIUM DURILABRUM FOUND ON FOXTAIL PINE IN CALIFORNIA.

D R Miller

Plant Dis Rep 53(4):271

Apr 1969 1.9 P69P

Fungus diseases (plants), Lophodermium durilabrum, Pinus balfouriana.

MULTIPLICATION OF TOBACCO MOSAIC VIRUS IN SUSPENSION CULTURE OF TOBAC-CO CELLS.

F Motoyoshi N Oshima

Jap J Microbiol 12(3):317-320

Sep 1968 448.8 J273

Mosaic, Tissue culture, Tobacco, Virology, Virus diseases (plants).

MELANOSE OF CITRUS.

Agr Gaz New S Wales 79(8):BACK COVER

Aug 1968 23 N472

Citrus, Diaporthe citri, Fungicides, Fungus diseases (plants), Melanose.

A RACE OF USTILAGO TRITICI VIRULENT ON THATCHER WHEAT AND ITS DERIVA-TIVES.

J Nielsen

Plant Dis Rep 53(5):393-395

May 1969 1.9 P69P

Crop varieties, Fungus diseases (plants), Plant disease resistance, Ustilago tritici, Wheat.

STUDIES ON CROWN GALL BACTERIA, AGROBACTERIUM TUMEFACIENS CONN II. ELECTRON MICROSCOPIC OBSERVATION ON THE FINE STRUCTURE IN DIVIDING AND NON-DIVIDING PHASES. (JA)

R Nishizawa

Bot Mag Tokyo 81(961, JUL-AUG): 404-410 REF 1968 450 B651

Agrobacterium tumefaciens, Bacterial diseases (plants), Bacteriology, Cell division, Cell nucleus, Crown galls, Cytoplasm, Electron microscopy. English summary.

A TRANSMISSIBLE FRUIT-DEPRESSION DIS-EASE OF MCINTOSH APPLES.

D H Palmiter

Plant Dis Rep 53(5):329-322

May 1969 1.9 P69P

Abnormalities, Apples, McIntosh depression virus, Plant disease transmission, Virus diseases (plants).

LIVE OAK IN MISSISSIPPI INFECTED BY ENDOTHIA PARASITICA.

P H Peacher

Plant Dis Rep 53(4):304 Apr 1969 1.9 P69P

Canker, Endothia parasitica, Fungus diseases (plants), Quercus virginiana.

3993-69

VIRGINIA PINE, A NEW HOST FOR CRONAR-TIUM COMANDRAE.

H R Powers

Plant Dis Rep 53(4):320

Apr 1969 1.9 P69P

Cronartium comandrae, Epidemiology, Fungus diseases (plants), Pinus virginiana, Seedlings.

NEW CHEMICALS LOOK GOOD FOR WEED CONTROL IN MICHIGAN ORCHARDS.

A R Putnam

Mich State Hort Soc Annu Rep 94-96

1968 81 M58

Chemical control (plant diseases), Chemicals, Fruit, Herbicides, Pesticide application, Spraying. New chemicals'used were Paraquat, Karmer or simazine, Casoron, Sinbar, D acid, 2,4-, D amine, 2,4- and Ammate.

EFFECT OF SCLEROSPORA GRAMINICOLA INFECTION ON TOTAL NITROGEN CONTENT AND FREE AMINO ACID COMPOSITION OF BAJRA PLANTS.

J N Rai A K Sinha

Mycopathol Mycol Appl 36(314):293-299 REF 1968 450 M994

Amino acids, Fungus diseases (plants), Nitrogen, Pearlmillet, Plant biochemistry, Sclerospora graminicola, Tryptophan.

3996-69

FUNGAL AND BACTERIAL DISEASES OF CRUCIFERS AND CUCURBITS IN WESTERN ONTARIO IN 1967.

A A Reyes G H Comly L F Mainprize D A Pallet C A Warner

Can Plant Dis Surv 48(3):95-96

Sep 1969 464.9 C16S

Bacterial diseases (plants), Cabbage, Cauliflower, Cucumbers, Fungus diseases (plants), Muskmelons, Surveys. The author lists the disease and the cause of the disease on crucifers and cucurbits.

DEVELOPMENT OF A NEW VARIETY OF TO-MATO NAMED MIGUEL PEREIRA, WITH RE-SISTANCE TO BOTH FUSARIUM AND VER-TICILLIUM WILTS. (POR)

R L D Ribeiro H Watanabe S Sudo L A B Castro N R Leal

Agronomia 25(1/2,JAN-JUN):21-24

1967 9.2 AG892

Crop varieties, Fungus diseases (plants), Fusarium, Plant disease resistance, Tomatoes, Verticillium, Wilt.

3998-69

DISTRIBUTION AND HOST RANGE OF MAIZE DWARF MOSAIC VIRUS IN VIRGINIA.

C W Roane S A Tolin

Plant Dis Rep 53(4):307-310 MAP REF

Apr 1969 1.9 P69P

Corn, Dwarf mosaic, Epidemiology, Grasses, Host indexing (plants), Perennial plants, Sorghum halepense, Virus diseases (plants).

LEAF RUST OF WHEAT IN CANADA IN 1968. D J Samborski

Can Plant Dis Surv 48(3):107-109

Sep 1968 464.9 C16S

Crop losses, Fungus diseases (plants), Leaf rust, Puccinia recondita, Wheat.

4000-69

EFFECTS OF TOBACCO MOSAIC VIRUS ON THE PHOSPHORUS METABOLISM OF NICOTIANA XANTHI N. C. (FR)

R Scalla R Meignoz

Ann Physiol Veg 9(4):383-396 REF

1967 451 F8432

Mosaic, Phosphorus compounds, Plant metabolism, Tobacco, Virus diseases (plants). English summary.

EFFECTS OF EARLY AND LATE INOCULA-TION OF MAIZE DWARF MOSAIC VIRUS STRAIN A AND B ON SHELLED GRAIN YIELDS OF SUSCEPTIBLE AND RESISTANT MAIZE SEGREGATES OF A THREE-WAY HYBRID.

G L Scheifele

Plant Dis Rep 53(5):345-347

May 1969 1.9 P69P

Corn, Crop varieties, Crop yields, Dwarf mosaic, Immunity, Plant disease resistance, Virus diseases (plants).

4002-69

DETECTABLE LEVELS OF XANTHOMONAS MALVACEARU IN COTTON GIN DEBRIS WITH THE SEED-SOAK METHOD.

W C Schnathorst

Plant Dis Rep 53(5):400-402

May 1969 1.9 P69P

Bacterial diseases (plants), Cotton, Seedlings, Xanthomonas malvacearum.

RESISTANCE TO BENOMYL IN POWDERY MILDEW OF CUCURBITS.

W T Schroeder R Provvidenti Plant Dis Rep 53(4):271-275 Apr 1969 1.9 P69P

Benomyl, Chemical control (plant diseases), Cucumbers, Fungus diseases (plants), Immunity, Powdery mildew, Resistance, Sphaerotheca fuliginea.

THE IN VITRO ESTABLISHMENT OF PITH CALLUSES AND NODAL TUMORS OF BRASSICA OLERACEA.

W R Sharp D Davidson

Torrey Bot Club Bull 96(1,JAN-FEB):114-116 1969 451 T63B

Cabbage, Culture media, Pith, Plant diseases, Plant galls, Tissue culture.

A NEW VIRUS DISEASE OF CARICA PAPAYA IN INDIA.

A B Singh

Plant Dis Rep 53(4):267-269

Apr 1969 1.9 P69P

Host indexing (plants), Insect vectors, Myzus persicae, Papayas, Plant disease transmission, Symptomatology, Virus diseases (plants).

4006-69

FIELD EVALUATION OF SOME FUNGICIDES FOR CONTROL OF LEAF AND STEM RUSTS OF WHEAT.

D V Singh B M Khanna A N Khanna Plant Dis Rep 53(5):352-355 REF

May 1969 1.9 P69P

Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Leaf rust, Spraying, Stem rust, Wheat. Eight fungicides were tested. The best results were obtained with application of maneb.

4007-69

SPORE DISPERSAL BY SCLERODERRIS LAGERBERGII UNDER NURSERY AND PLANTATION CONDITIONS.

D D Skilling

Plant Dis Rep 53(4):291-295 REF

Apr 1969 1.9 P69P

Fungi dissemination, Fungus diseases (plants), Nurseries, Plant disease transmission, Plantations, Rainfall, Scleroderris lagerbergii, Spores.

4008-69

COMPARATIVE INTERACTIONS OF ERWINIA CAROTOVORA AND ERWINIA AMYLOVORA WITH PEAR AND POTATO TISSUES.

D H Spalding B C Smale

Plant Dis Rep 53(4):255-256

Apr 1969 1.9 P69P

Bacterial diseases (plants), Bacteriology, Erwinia amylovora, Erwinia carotovora, Ethyl acetate, Pears, Plant extracts, Potatoes, Tissue culture.

THE EFFECT OF LOW DOSES OF GAMMA IR-RADIATION UPON THE RATE OF INFECTION
OF PLANTS WITH POWDERY MILDEW. II. A
DIFFERENTIATED SUSCEPTIBILITY OF
WINTER WHEAT ZELAZNA VARIETY TO INFECTION WITH POWDERY MILDEW FECTION WITH POWDERY MILDEW (ERYSIPHE GRAMINIS F. TRITICI DC MARCH). (POL)

S Starzycki J Pala E Konopko Hodowla Roslin Aklimatyzacja Nasiennictwo 11(2):269-274 REF 1967 64.8 H66

Erysiphe graminis tritici, Fungus diseases (plants), Gamma rays, Irradiation, Powdery mildew, Wheat. English and Russian summaries.

PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE STATION OF GENEVA. MARCH. (FR)

Rev Horticole Suisse 41(3):72-73

Mar 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Ornamental plants, Plant pest control, Plant protection, Virus diseases (plants).

4011-69

PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE STATION OF GENEVA. JUNE. (FR)

Rev Horticole Suisse 41(6):156-158

Jun 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Ornamental plants, Plant pest control, Plant protection, Virus diseases (plants).

4012-69

PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE STATION OF GENEVA. OC-TOBER. (FR)

Rev Horticole Suisse 41(10):266-267

Oct 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Ornamental plants, Plant pest control, Plant protection, Virus diseases

4013-69

PLANT PROTECTION. BULLETIN OF THE PLANT DISEASE STATION OF GENEVA. APRIL. (FR)

Rev Horticole Suisse 41(4):95-97

Apr 1968 80 R3212

Chemical control (plant diseases), Crops, Fruit culture, Fungus diseases (plants), Ornamental plants, Plant pest control, Plant protection, Virus diseases (plants).

4014-69

THE TOBACCO MOSAIC VIRUS (TMV) IN THE NUTRITIVE SOLUTION OF THE TOMATO HYDROPONOUS CULTURE. (RUS)

K S Sukhov T F Yazykova

Zhur Obshch Biol 29(5,SEP/OCT):611-616 REF 1968 442.8 Z6

Bacteria, Greenhouse culture, Hydroponics, Microorganisms, Mosaic, Plant disease transmission, Pseudomonas, Tobacco, Tomatoes, Virus diseases (plants). English summary.

4015-69

BROWN ROT CONTROL IN SOUTHERN CALIFORNIA.

Sunkist Pest Contr Circ (372):1-2

Nov 1968 423.9 C12E

Brown rot, Chemical control (plant diseases), Crop losses, Fruit, Fungus diseases (plants), Plant injuries, Spraying.

WILD SPECIES AS A SOURCE OF RE-SISTANCE TO DISEASES. (RUS)

M F Ternovskii

Sel'skokhozyast Biol 2(6):832-839 REF 1967 S13.S44

Bacterial diseases (plants), Crop varieties, Fungus diseases (plants), Immunity, Plant disease resistance, Plant genetics, Tobacco, Virus diseases (plants). English summary

BUGGY-WHIP OF CORN AND ITS RELATION TO THE INCIDENCE OF COMMON SMUT.

A J Ullstrup

Plant Dis Rep 53(4):250-252 Apr 1969 1.9 P69P

Absorption, Buggy whip, Corn, Epidemiology, Plant injuries, Smut, Symptomatology.

4018-69

OCCURRENCE OF CRONARTIUM COMPTONIAE IN THE MARITIME PROVINCES.

G A Van Sickle

Plant Dis Rep 53(5):369-371 REF

May 1969 1.9 P69P

Cronartium comptoniae, Cronartium stalictiforme, Epidemiology, Fungus diseases (plants), Pinus, Stem rust, Sweetfern blister rust.

POSSIBILITIES FOR BOTRYTIS CINEREA CONTROL, ESPECIALLY IN TOMATOES. (DU

Neth Dir Tuinbouw Mededel 31(617,JUN-JUL):250-251 REF

1968 86 N384

Botrytis cinerea, Fungus diseases (plants), Nitrogen, Soil analysis, Tomatoes. English summa-(plants),

OCCURRENCE OF EPHELIS ON RICE VARIETY IR-8 AND COTTON GRASS IN IN-

H C Vindu

Plant Dis Rep 53(5):360

May 1969 1.9 P69P

Balansia oryzae, Fungus diseases (plants), Imperata cylindrica, Rice.

4021-69

PHYTOPATHOLOGICAL PROBLEMS IN AUS-TRIA. (GE)

G Vukovits

Pflanzenarzt 20(9):103-106

01 Sep 1967 464.9 P482

Crops, Phytopathology, Plant diseases, Plant pest control

IDENTIFICATION OF RACES OF PSEU-DOMONAS PHASEOLICOLA FROM QUEBEC BEAN FIELDS.

V R Wallen

Can Plant Dis Surv 48(3):97-98 REF

Sep 1968 464.9 C16S

Bacterial diseases (plants), Beans, Culture media, Pseudomonas phaseolicola.

TESTS ON DRY FUMIGATION OF POTATO SEEDLINGS AGAINST RHIZOCTONIA DIS-EASE. (GE)

H Wenzl

Pflanzenarzt 21(3):34-37

01 Mar 1968 464.9 P482

Chemical control (plant diseases), Fumigation, Fungus diseases (plants), Potato seeds, Rhizoctonia.

4024-69

ILLUSTRATIVE SCALES FOR THE EVALUATION OF POTATO SCAB AND RHIZOCTONIA INFECTION.

H Wenzl J Demel

Pflanzenarzt 20(7):77-78 01 Jul 1967 464.9 P482

Diagnosis, Fungus diseases (plants), Illustrations, Potatoes, Rhizoctonia, Scab, Statistical methods, Symptomatology.

4025-69

SUSCEPTIBILITY OF COASTAL FORM AND CENTRAL MONTANA DOUGLAS-FIR TO ARCEUTHOBIUM DOUGLASII.

E F Wicker

Plant Dis Rep 53(4):311-314 REF

Apr 1969 1.9 P69P

Arceuthobium, Epidemiology, Fungus diseases (plants), Plant disease resistance, Pseudotsuga menziesii.

FROM THE REALM OF MICROORGANISMS. SOME INTERESTING STRUCTURES OF PLANT MICROORGANISMS. (GE) W Wittmann

Pflanzenarzt 20(3):22-24 01 Mar 1967 464.9 P482

Fungi, Fungus diseases (plants), Microorganisms, Mycology.

4027-69

HYBRID CORN YIELD REDUCTION STALK AND ROOT ROT IN NEBRASKA.

D S Wysong E Kerr

Plant Dis Rep 53(5):326-329

May 1969 1.9 P69P

Cephalosporium, Corn, Crop losses, Fungus diseases (plants), Fusarium, Root rot, Stalk rot.

TRANSMISSION OF THE VIRUS COMPONENT OF THE RAGI (ELEUSINE CORACANA) DISEASE-COMPLEX IN MYSORE, INDIA.

R C Yaraguntaiah K V Keshavamurthy Plant Dis Rep 53(5):361-363

May 1969 1.9 P69P

Aphididae, Insect vectors, Mosaic, Plant disease transmission, Ragimillet, Sogatella, Virus diseases (plants).

4029-69

THE RATE OF CONTAMINATION IN RELATION TO THE PERCENTAGE OF INFECTION IN THE PARASITIC DISEASES OF PLANTS. (FR)

C Zambettakis

Rev Gen Sci Pures Appl 75(3/4,MAR-APR):73-81 1968 473 R324

Air-borne plant diseases, Botrytis cinerea, Fungus diseases (plants), Parasitism, Plant disease transmission, Plant diseases, Plant nematodes, Spores.

WHY IS THE DISINFECTION TREATMENT OF CORN SEEDS ABSOLUTELY NECESSARY. (GE)

B Zwatz

Pflanzenarzi 20(4):39-40 01 Apr 1967 464.9 P482

Bacterial diseases (plants), Corn, Fungus diseases (plants), Seed treatment, Seed-borne plant diseases, Soil-borne plant diseases, Thiocarbamates,

ARTHROPODS

4031-69

CORN EARWORM THREATENS SNAPBEANS.

Anonymous

Amer Veg Grower 17(4):48

Apr 1969 80 C733

Beans, Carbamates, Carbaryl, Chemical control (insects), Dusting, Heliothis zea, Insecticide application.

4032-69

THE PEACH TWIG BORER AND ITS CON-TROL.

E W Anthon

Wash State Univ Ext E M (2034):5P

Oct 1968 275.29 W27MI

Anarsia lineatella, Chemical control (insects), Crop losses, Insect biology, Insect pests, Insecticides, Plant injuries, Spraying, Insecticides tested were DDT, parathion, dieldrin, Sevin, Guthion, Thiodan, Diazinon and oil plus Ddt.

THE SAN JOSE SCALE A PEST OF ORNAMENTAL SHRUBS. (GE)

Pflanzenarzt 20(4):34-35 01 Apr 1967 464.9 P482

Aspidiotus perniciosus, Chemical control (insects), Host indexing (plants), Parathion, Shrubs. 10 host shrubs are listed

THE ATTRACTION TO PISSODES NOTATUS (COL. CURCULIONIDAE) OF THE WOUNDS FORMED BY MATSUOCOCCUS FEYTAUDI

DUC. (HOM. COCCOIDEA) ON MARITIME PINE. (FR)

P Carle

Forestierier Sci Ann 25(1):25-33

1968 99.9 F845

Forest insects, Matsucoccus feytaudi, Pinus pinaster, Pissodes notatus, Plant injuries, Tree diseases. English and German summaries.

4035-69

A CONTRIBUTION TO THE STUDY OF THE PEMPHIGOSE OF POPLARS AND ITS PATHOGEN PAMPHIGUS SPIROTHECAE. (FR

Biologia (bratislava) 24(2):166-172

1969 442.8 B5265

Insect ecology, Life cycle, Pemphigus, Plant diseases, Populus. Czech and Russian abstracts.

PLANT VIRUS DISEASES IN TURKEY WHICH ARE TRANSMITTED BY INSECT VECTORS. (TU)

S Iren

Bitki Koruma Bulteni 7(3):107-116 REF

1967 464.8 B542

Insect vectors, Plant disease transmission, Potatoes, Satsuma oranges, Sugar beets, Vegetables, Virus diseases (plants). English summary.

BLOODWORMS--PESTS OF RICE.

E L Jones

Agr Gaz New S Wales 79(8):477-478

Aug 1968 23 N472

Chemical control (insects), Chironomus, Cultural control (insects), Insect biology, Insect pests, Larvae, Rice.

Cultural control measures to avoid the accumulation of organic material on the soil surface, and dressing rice seed with DDT are recommended in order to prevent extensive damage to rice seedlings by Chironomus larvae.

4038-69

THE ALTERNATE GENERATION OF CALLIR-HYTIS QUERCUSSUTTONII (BAS-SETT)(HYMENOPTERA: CYNIPOIDEA).

R J Lyon

Entomol Soc Wash Proc 71(1):61-65

Mar 1969 420 W27

Callirhytis quercussuttonii, Chemical control (insects), Cynipoidea, Gall-making insects, Quercus, Spraying.

4039-69

RASPBERRY MOTH.

Great Brit Min Agr Fish Food Adv Leafl (66):1-3 Dec 1967 10 G79LA

Chemical control (insects), Cultural control (insects), DDT, Insect biology, Lampronia rubiella, Lindane, Raspberries.

The life cycle and control of the raspberry moth Lampronia rubiella) with a description of infested plants are discussed. Burning of all infested wood and control with tar oil washes, DDT and lindane are the recommended control measures.

APHIDS AND VIRUS IN NORTH CANTERBURY WHEAT, 1965-66 SEASON.

R I Mulholland R C Close R C Stephen New Zealand Wheat Rev (10):53-58

1967 59.8 N48

Aphididae, Insect vectors, Time, Virus diseases (plants), Wheat, Yellow dwarf.

INSECTICIDE GRANULES AND VIRUS IN AUTUMN-SOWN WHEAT.

R I Mulholland C T Jessep

New Zealand Wheat Rev (10):64-69

1967 59.8 N48

Aphididae, Insect vectors, Insecticides, Rhopalosiphum padi, Virus diseases (plants), Wheat, Yellow dwarf. 4042-69

THE APPEARANCE OF BEET APHIDS IN 1966.

O Schreier

Pflanzenarzt 20(4):36-37 01 Apr 1967 464.9 P482

Aphididae, Beets, Insecticide application, Plant pest control.

4043-69

THE OLEANDER SCALE, PSEUDAULACASPIS PENTAGONA (TARG.), (HOMOPTERA, COCCIDAE) IN BERMUDA.

F J Simmonds

Bermuda Dep Agr Bull 1):44P REF

Jul 1968 8 B45B

Aspidiotus hederae, Biological control (insects), Forest insects, Insect pests, Lizards, Parasitism, Predaceous insects, Pseudaulacaspis pentagona.

Its natural enemies were Prospaltella berlesei, Aspidiotiphagus spp., Cybocephalus sp., Pentilia insidiosa, Cryptognatha simillima, Chilocorus cac-ti, and miscellaneous Coccinellids. The role of the lizard in biological control is explained.

SOME IMPORTANT ASPECTS OF COTTON IN-SECT CONTROL.

J P Tunstall

RNFC Crops Conf 1967 MEETING:17-18

Jul 1967 S573.R45

Accident prevention, Chemical control (insects), Cotton, Insect identification, Insecticide application, Spraying.

NEMATODES

4045-69

BREEDING AND PROPAGATION OF VIRUS-FREE GRAPES IN HYDROPONIC CULTURES. (IT)

E Baldacci F Lalatta

Milan Univ Inst Patol Veg Pubbl Raccolta (314):251-255

1967 464.9 M582

Grapes, Nematode infestation, Nutrient solutions (plants), Plant breeding, Plant disease resistance, Plant physiology, Tillage, Virus diseases (plants). English summary.

Reprint from: Rivista di Patologia Vegetale ser. 1V 3(4,Oct-Dec):251-255 1967.

INFLUENCE OF SIX COVER CROPS ON POPU-LATION DENSITY OF PRATYLENCHUS PENETRANS.

G W Bird

Can Plant Dis Surv 48(3):113

Sep 1968 464.9 C16S

Cover crops, Crop varieties, Plant nematodes, Pratylenchus penetrans. The cover crops were Sorghum vulgare sudanense, Lolium perenne, Dactylis glomerata, Medicago sativa, Vicia sativa and Sudan grass x sorghum hybrid.

OVERWINTERING OF MELOIDOGYNE INCOGNITA IN SOUTHWESTERN ONTARIO.

G W Bird

Can Plant Dis Surv 48(3):112

Sep 1968 464.9 C16S

Hibernation, Meloidogyne incognita, Plant galls, Plant nematodes, Vegetables.

NEMATODES ASSOCIATED WITH BANANAS IN THE WINDWARD ISLANDS.

J E Edmunds

Trop Agr &st Augustine & 45(2):119-124

Apr 1968 26 T754

Bananas, Nematodes, Plant nematodes, Rhizosphere, Rotylenchulus, Soil microorganisms.

4049-69

SURVIVAL OF THE SOYBEAN CYST NE-MATODE IN SEED STOCKS.

BIBLIOGRAPHY

4050-69

J M Epps

Plant Dis Rep 53(5):403-405

May 1969 1.9 P69P

Heterodera glycines, Plant nematodes, Seeds, Soybeans.

NINE VARIETIES OF SOUTHERN PEAS RESISTANT TO THE SOYBEAN CYST NEMATODE.

J M Epps

Plant Dis Rep 53(4):245

Apr 1969 1.9 P69P

Cowpeas, Crop varieties, Heterodera glycines, Plant nematodes, Plant pest resistance.

A NOTE ON THE NEMATICIDAL PROPERTIES OF 'SEVIN'

D W Fenwick

Trop Agr &st Augustine & 45(2):125-126

Apr 1968 26 T754

Biological assay, Carbamates, Carbaryl, Chemical control (nematodes), Insecticides, Nematocides.

Several laboratory experiments are described which indicate that the insecticide 'sevin' may have utility as a nematocide.

4052-69

LIFE CYCLE AND REPRODUCTION OF ME-LOIDOGYNE HAPLA ON POTATO.

G D Griffin E C Jorgenson Plant Dis Rep 53(4):259-261

Apr 1969 1.9 P69P

Meloidogyne hapla, Nematode morphology, Plant nematodes, Potatoes, Reproduction.

NEMATODES ARE DESTRUCTIVE TO YOUR PLANTS.

R D Guerrero

Philippine Farms Gardens 5(9):14,28

Sep 1968 25 P5323

Agronomy, Chemical control (nematodes), Crop losses, Fumigation, Nematocides, Plant nematodes.

LONGIDORUS AFRICANUS A PATHOGEN OF HEAD LETTUCE IN THE IMPERIAL VALLEY OF SOUTHERN CALIFORNIA.

J D Radewald J W Osgood K S Mayberry A O Paulus F Shibuya

Plant Dis Rep 53(5):381-384

May 1969 1.9 P69P

Lettuce, Longidorus africanus, Plant diseases, Plant nematodes.

4055-69

NEMATODOFAUNA OF A MIXED HORN-BEAM-OAK FOREST SOIL AND OF THE NEIGHBORING CULTIVATED LANDS AT BAB NEAR NITRA. (CZ

A Saly

Biologia (bratislava) 24(2):135-147 REF

1969 442.8 B5265

Forest soils, Nematode populations, Plant nematodes, Soil microorganisms, Surveys. Russian and English abstracts.

4056-69

GOLDEN NEMATODE FOUND IN DELAWARE.

J F Spears

Plant Dis Rep 53(4):243

Apr 1969 1.9 P69P

Heterodera rostochiensis, Plant nematodes, Potatoes, Zoogeography.

CONTROL OF THE CITRUS NEMATODE, TYLENCHULUS SEMIPENETRANS, WITH 1,2-DIBROMO-3-CHLOROPROPANE IN TAIWAN.

M Toung

Plant Dis Rep 53(4):300-301

Apr 1969 1.9 P69P

Chemical control (nematodes), Citrus, Dibromo-3chloropropane, 1,2-, Nematocides, Plant nematodes, Tylenchulus semipenetrans. 4058-69

HOST RESISTANCE REFLECTED IN DIFFERENTIAL NEMATODE POPULATION FERENTIAL STRUCTURES.

D R Viglierchio N A Croll Science 161(3838):271-272 19 Jul 1968 470 SC12

Alfalfa, Ditylenchus dipsaci, Onions, Plant ne-matode resistance, Plant nematodes, Population,

WEEDS

4059-69

NOW CAN YOU SPOT THOSE WEEDS.

Anonymous

Good Farming 19(2):28-29

Mar 1968 7 G59

Agropyron repens, Ascelepias syriaca, Avena fatua, Cirsium arvense, Convolvulus arvensis, Equisetum arvense, Illustrations, Linaria vulgaris,

4060-69

FURTHER RESEARCH ON THE CONTROL OF ECHINOCHLOA IN RICE FIELDS. (IT)

E Baldacci L Chiapparini C Moglia Milan Univ Inst Patol Veg Pubbl Raccolta (332):159-187 REF 1967 464.9 M582

Chemical control (weeds), Echinochloa, Herbicides, Rice. English summary.

Reprint from: Il Riso 16(3):159-187 Sep 1967. the following herbicides were tested Ordram, Glenbar, Dacthal, H 64-5001, Propanil, and Monalide on

4061-69

CHEMICAL WEED CONTROL IN IRRIGATION CHANNELS AND DRAINS.

S M Bill W A E Graham

Renown Press Pty. Ltd., Carnegie, Australia 34P 1968 SB613.A88B52

Accident prevention, Aquatic weeds, Chemical control (weeds), Drainage ditches, Economics, Herbicides, Water pollution.

4062-69

DEFOLIATION EFFECTS ON FOREST ECOLO-GY.

L T Burcham

Science 161(3837):109

12 Jul 1968 470 SCI2

Chemical control (weeds), D, 2,4-, Defoliation, Dosage, Herbicides, Phenoxy acid compounds, Spraying, T, 2,4,5-.

THE DEVELOPMENT OF CHEMICAL WEED CONTROL IN ORNAMENTAL PLANTS IN FIELDS. (IT)

L Chiapparini

Milan Univ Inst Patol Veg Pubbl Raccolta (330):12P REF

1967 464.9 M582

Chemical control (weeds), Dosage, Herbicides, Ornamental plants, Pesticide application. English summary. 65 herbicides were tested.

Reprint from: Atti delle Giornate di Studio sul diserbo in Floricoltura e nei settori affini 16-17 Sep 1965; Turin, Italy, pages 53-62.

THE LASTING INFLUENCE OF TRIAZINES AND THE EFFECT OF HERBICIDE MIXTURES IN THE TREATMENT OF CORN. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (GE)

J Debrevodsky

77-82

1966 SB951.U8

Ametryne, Atrazine, Chemical control (weeds), Corn, Evaluation, Herbicide residues, Herbicides, Linuron, Prometryne, Triazine. Czech and Russian summaries many herbicide mixtures were compared.

CONTROLLING WEEDS IN TOBACCO WITH BENEFIN.

A D Doyle

Agr Gaz New S Wales 79(8):456-459

Aug 1968 23 N472

Benefin, Brachiaria pigligera, Chemical control (weeds), Digitaria, Echinochloa crusgalli, Eragrostis cilianensis, Herbicides, Tobacco.

The methodology and economics of benefin application on tobacco to control Digitaria, Eragrostis cilianensis, Echinochloa crusgalli, Brachiaria pigligera, and Portulaca oleracea is presented.

WEEDS MEAN WASTE KNOW YOUR WEEDS AND HOW TO CONTROL THEM.

J G Haney

International Harvester Company, Chicago, Illinois. 44P MAP 1929 SB611.H3

Annual plants, Crop rotation, Illustrations, Poisons, Tillage, Weed control, Weeds.

4067-69

DOMESTIC QUARANTINE NOTICES. WITCHWEED. REGULATED AREAS.

F A Johnston

Fed Regist 34(34,PT 1):2351

19 Feb 1969 L1.451

Agricultural regulation, Plant protection, Plant quarantine, Striga, Weeds.

CONTROL OF OROBANCHE UNDER NATURAL AND ARTIFICALLY INFESTED CONDITIONS.

T Krishnamoorthi A S Krishnan Indian J Agron 12(3):277-282

Sep 1967 22 IN235

Environment, Orobanche, Parasitism, Plant protection, Tobacco, Weed control.

AUTUMN WEED CONTROL FOR CONTINU-OUS CEREAL GROWERS.

G H MacKenzie

Seed Trade Rev 20(12):203-204

Dec 1968 61.8 SE32

Agropyron repens, Blackgrass, Equipment, Grain, Herbicides, Tillage, Weed control.

WEED CONTROL IN FRUITS AND NUTS.

J F Miller

Ga Univ Coll Agr Ext Serv Circ (569):3P Jan 1969 275.29 G29C

Accident prevention, Chemical control (weeds), Dosage, Fruit, Herbicides, Nuts, Spraying.

WEED CONTROL IN VEGETABLES.

J F Miller

Ga Univ Coll Agr Ext Serv Circ (544):4P Jan 1969 275.29 G29C

Accident prevention, Chemical control (weeds), Dosage, Herbicides, Spraying, Vegetables.

CORN MARIGOLD (GOLDINGS, YELLOW OX-EYE, YELLOW BOTTLE).

Great Brit Min Agr Fish Food Adv Leafl (529):4P Feb 1968 10 G79LA

Accident prevention, Chemical control (weeds), Costs, Cultural control (weeds), Dosage, Herbicides, Seedlings.

4073-69

RAGWORT.

Great Brit Min Agr Fish Food Adv Leafl (280):6P Jan 1968 10 G79LA

Accident prevention, Agricultural legislation, Chemical control (weeds), D, 2,4-, Grazing,

Methyl-4-chlorophenoxyacetic acid, 2-, Phenoxy acid compounds, Poisonous plants, Senecio jacobaea, Spraying, Symptomatology.

PERENNIAL BINDWEEDS.

Great Brit Min Agr Fish Food Adv Leafl (450):4P Sep 1967 10 G79LA

Asparagus, Chemical control (weeds), Convolvulus, Currants, D. 2,4-, Grain, Methyl-4-chlorophenoxy)butyric acid, 4-(2-, Methyl-4-chlorophenoxyacetic acid, 2-, Perennial plants, Phenoxy acid compounds, Polygonum convolvulus, Potatoes, Tillage, Turf.

CHEMICAL WEED CONTROL IN POTATO (SOLANUM TUBEROSUM L.). A REVIEW.

M K Moolani S K Agarwal

Indian J Agron 12(3):231-235 REF

Sep 1967 22 IN235

Chemical control (weeds), Herbicides, Potatoes.

Most common weeds in potato crops of India: Chenopodium arvensis, Fumaria purifcora, Portulaca oleracea, cyperus rotuudus, and Amaranthus

NEW HERBICIDES FOR CONTROLLING WEEDS IN UPLAND RICE.

S K Mukhopadhyay S Bag

Indian J Agron 12(3):253-256

Sep 1967 22 IN235

Carbamates, Chemical control (weeds), Herbicides, Prometryne, Propanil, Rice, Urea com-

4077-69

BRUSH CONTROL THROUGH SHREDDING.

B Nelson

Cattleman 55(10):40,41,82,84,85

Mar 1969 49 C29

Brush control, Equipment, Tractors.

FOAMING AGENTS AS GROUND COVER AGAINST WEEDS. (GE)

H Neururer

Pflanzenarzt 20(4):37-38 01 Apr 1967 464.9 P482

Plastics, Weed control.

FURTHER TEST OF THE CONTROL OF AVENA FATUA IN SUGAR BEETS. (GE

H Neururer

Pflanzenarzt 21(3):37-38

01 Mar 1968 464.9 P482

Avena fatua, Chemical control (weeds), Cultural control (weeds), Di-allate, Gramoxone, Pyramin, Sugar beets.

4080-69

DEFOLIATION EFFECTS ON FOREST ECOLO-GY.

M Newton

Science 161(3837):109

12 Jul 1968 470 SCI2

Cacodylic acid, Chemical control (weeds), D, 2,4-, Defoliation, Herbicides, Phenoxy acid compounds, Spraying, T, 2,4,5-.

408 I-69

THE EFFECTIVENESS OF THE NEWER HER-BICIDES FOR THE CONTROL OF WEEDS IN CULTIVATED PLANTS WITH SPECIAL AT-TENTION TO WEEDS WHICH ARE DIF-FICULT TO CONTROL. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24 1966 (GF) 2I-24, 1966. (GE)

J Rola

107-113

1966 SB951.U8

Apera spica-venti, Cabbage, Chemical control (weeds), Fruit, Galium aparine, Grain, Herbicides, Onions, Potatoes, Stellaria media, Sugar beets, Tomatoes. Czech and Russian summaries. discussion of many weeds and herbicides.

STUDIES ON WEED CONTROL IN GROUND-NUT (ARACHIS HYPOCEAE) - A REVIEW.

G B Singh M K Moolani

Indian J Agron 12(3):267-273 REF

Sep 1967 22 IN235

Peanuts, Research, Weed control.

PROBLEMS OF HERBICIDE USE IN YUGOSLAVIA. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (GE) DISTRIBUTION. (GE)

A Srekajs

187-192

1966 SB951.U8

Atrazine, Chemical control (weeds), D, 2,4-, Herbicides, Plant hormones, Prometryne, Root crops, Simazine, Sunflowers, Vegetables.

4084-69

SPRAYING POST OAK DIVIDENDS. BRUSH PAYS

S Toeppich

Cattleman 55(10):46,56

Mar 1969 49 C29

Aerial spraying, Brush control, Costs, Farm management, Quercus stellata.

HERBICIDES IN COMBINATION WITH THE MINERAL FERTILIZERS. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (RUS)

H A Tsesalin

83-90

1966 SB951.U8

Ammonium nitrate, Annual plants, Chemical control (weeds), D, 2,4-, Fertilizers, Herbicides, Matricaria inodora, Methodology, Minerals. German and Czech summaries.

CHEMICAL CONTROL OF WEEDS IN THE HUNGARIAN VINEYARDS. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (GE)

G Ubrizsy F M Csongrady

117-120

1966 SB951.U8

Ametryne, Atrazine, Chemical control (weeds), Grape vineyards, Paraquat, Prometryne, Simazine, Triazine, Weeds. Czech and Russian summaries.

CHEMICAL WEED CONTROL IN SUN-FLOWER CULTURES. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (RUS)

A Ulinich 175-186

1966 SB951.U8

Chemical control (weeds), Prometryne, Spraying, Sunflowers, Tables (data). Czech and German summaries.

CHEMICAL WEED CONTROL PROBLEMS IN OUTDOOR VEGETABLE GROWING. (DU

J Verlaat

Neth Dir Tuinbouw Mededel 31(617,JUN-

JUL):252-256

1968 86 N384

Chemical control (weeds), Plant physiology, Vegetables, Weeds. English summary.

HERBICIDES IN THE PERSPECTIVES OF 20 MONTHS AND 20 YEARS.

J A Wheeler

Science 161(3838):255-256

19 Jul 1968 470 SCI2

Brush control, Chemical control (weeds), Herbicides, Plant biochemistry, Time.

HARMLESSNESS OF HERBICIDES FOR THE BIOCENOSIS. IN: COLLECTION OF REPORTS GEVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (GE)

A W Wojewodin

97-105 REF

1966 SB951.U8

Animals, Biocenosis, Ecology, Fungi, Herbicides, Insects, Plant biochemistry, Soil microorganisms, Tables (data). Czech and Russian summaries.

CHEMICAL CONTROL OF ANNUAL BLUEGRASS AS RELATED TO VERTICAL MOWING.

V B Youngner F J Nudge

Calif Turfgrass Cult 18(3):17-18

Jul 1968 60.18 S08

Bensulide, Chemical control (weeds), Grasses, Mowing, Poa annua.

OTHER PESTS

4092-69

DAMAGES DONE TO BEET SEEDS BY THE FOREST MOUSE (APODEMUS SYLVATICUS). (GE)

A von Horn

Gesunde Pflanzen 19(10):216

Oct 1967 464.8 G33

Beets, Chemical control (pests), Chlorinated hydrocarbons, Heptachlor, Rodents, Thiocarbamates, Thiram.

PHILIPPINE FIELD RATS AND THEIR CON-TROL.

J P Sumangil

Philippine Farms Gardens 5(9):4-5

Sep 1968 25 P5323

Biological control (pests), Chemical control (pests), Poisoning, Rats.

LIVESTOCK PROTECTION

ENUMERATION OF BACTERIA ON POULTRY CARCASS SKIN. (ABSTRACT).

J S Avens

Poultry Sci 47(5):1653

Sep 1968 47.8 AM33P

Bacteria, Poultry, Skin. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

ESTROGENIC ACTIVITY OF O,P'-DDT IN THE MAMMALIAN UTERUS AND AVIAN **UTERUS** OVIDUCT.

J Bitman H C Cecil S J Harris G F Fries

Science 162(3851):371-372 REF

18 Oct 1968 470 SCI2

Animal physiology, Biochemistry, Birds, DDT, Estrogens, Mammals, Reproduction, Uterus.

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE RONNEL.

R E Duggan

Fed Regist 34(66):6259

08 Apr 1969 L1.451

Animal nutrition, Cattle, Food additives, Ronnel.

INTERACTION OF ANTIMYCIN A AND ROTENONE IN FISH BIOASSAYS.

LIVESTOCK PROTECTION

4098-69

R M Howland

Progr Fish-cult 31(1):33-34

Jan 1969 157.5 P94

Antimycin a, Biochemistry, Biological assay, Fish, Rotenone.

4098-69

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. BUQUINOLATE.

J K Kirk

Fed Regist 34(66):6239

08 Apr 1969 L1.451

Buquinolate, Chickens, Food additives, Food consumption, Regulations.

THE ANABOLIC STEROIDS AND THEIR USE IN VETERINARY THERAPEUTICS. (FR)

J P S Pellerin

Alfort Ecole Nat Vet These (56):67P REF

1968 41.2 AL23

Dosage, Hormones, Metabolism, Pharmacology, Steroids, Therapeutics, Veterinary medicine.

THE INFLUENCE OF FEED AND WATER RESTRICTION AND PITRESSIN ADMINISTRATION UPON THYROXINE SECRETION IN DOMESTIC FOWL.

R P Penn T M Huston

Poultry Sci 47(5):1432-1437 REF

Sep 1968 47.8 AM33P

Chickens, Dehydration (physiological), Hormones, Pitressin, Radioactivity, Secretion, Starvation, Thyroid gland, Thyroxine.

4101-69

PAYZONE NITROVIN-A NEW GROWTH PROMOTER FOR POULTRY. (ABSTRACT).

J M Pensack A L Shor K L Simkins

Poultry Sci 47(5):1707-1708

Sep 1968 47.8 AM33P

Animal physiology, Chickens, Chlortetracycline, Food additives, Nitrovin. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

ABSTRACTS OF PAPERS PRESENTED AT THE 57TH ANNUAL MEETING OF THE POULTRY SCIENCE ASSOCIATION.

Poultry Sci 47(5):1651-1735 Sep 1968 47.8 AM33P Poultry, Reports, Societies.

4103-69

INFLUENCE OF PROTAMONE ON BONE FRAGILITY OF CAGED HENS. (ABSTRACT).

L O Rowland R H Harms Poultry Sci 47(5):1712

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Bones, Chickens, Dosage, Protamone. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4104-69

THE EFFECTS OF A SINGLE MASSIVE DOSE OF PHENYLHYDRAZINE ON DIFFERENT HEMATOLOGICAL TRAITS OF CHICKENS. (AB-STRACT).

K R Stino K W Washburn Poultry Sci 47(5):1722-1723

Sep 1968 47.8 AM33P Animal physiology, Chickens, Dosage, Erythrocytes, Hematology, Phenylhydrazine. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4105-69

INFLUENCE OF VARIOUS CHELATING AGENTS ON ABSORPTION OF 60CO, 59FE, 54MN, AND 65ZN BY CHICKENS.

F A Suso H M Edwards Poultry Sci 47(5):1417-1425 REF Sep 1968 47.8 AM33P

Absorption, Biochemistry, Chelation, Chickens, Cobalt isotopes, Ethylenediaminetetraacetic acid, Iron isotopes, Magnesium, Tables (data), Zinc isotopes.

BIBLIOGRAPHY

THE EFFECTS OF RESERPINE ON THE REPRODUCTIVE PERFORMANCE OF BREEDER TURKEYS RECEIVING ARTIFICIAL INSEMINATION.

J F Tierce J C Gilbreath M A Maloney Poultry Sci 47(5):1403-1405

Sep 1968 47.8 AM33P

Animal breeding, Artificial Reproduction, Reserpine, Turkeys. insemination.

4107-69

ADIPOSE TISSUE IN CALVES AND LAMBS.

P Wensvoort

Pathol Vet 5(3):270-281 REF 1968 41.8 P27

Adipose tissue (animals), Animal histology, Calves, Lambs. German summary.

DISEASES

HEMAGGLUTININS INDUCED IN CHICKENS WITH MYCOPLASMA GALLISEPTICUM IN-FECTION. (ABSTRACT).

H E Adler

Poultry Sci 47(5):1651

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Chickens, Hemagglutination, Mycoplasma gallisepticum, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association

22 PLANTS POISONOUS TO LIVESTOCK IN THE WESTERN UNITED STATES.

Usda Inform Bull (327):64P MAP

Apr 1968 1 AG84AB

Accident prevention, Livestock diseases, Mortality, Poisonous plants. The 22 poisonous plants are listed and described.

DUCK VIRUS ENTERITIS (DUCK PLAGUE). INTERSTATE MOVEMENT.

R J Anderson

Fed Regist 34(73):6573-6574

17 Apr 1969 L1.451

Ducks, Enteritis, Interstate commerce, Plague, Poultry diseases, Regulations, Vaccines, Virus diseases (animals).

INHERITED RESISTANCE TO SULFAQUINOX-ALINE TOXICITY IN THE CHICKEN. (AB-STRACT).

I A Arthur

Poultry Sci 47(5):1652-1653

Sep 1968 47.8 AM33P

Animal genetics, Chickens, Drugs, Immunity, Poultry diseases, Red water disease, Sulfaquinoxaline, Symptomatology. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

EMTRYL AND ANTIBIOTICS FOR TURKEY BREEDERS. (ABSTRACT).

S L Balloun D L Miller G M Speers A C Cox Poultry Sci 47(5):1653-1654

Sep 1968 47.8 AM33P

Animal nutrition, Antibiotics, Diet, Emtryl, Reproduction, Turkeys. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

HISTOLOGY OF VITAMIN A DEFICIENT CHICKS. (ABSTRACT).

R C Bayer D C Foss G A Donovan Poultry Sci 47(5):1654

Sep 1968 47.8 AM33P

Animal histology, Animal nutrition, Chicks, Deficiency diseases, Intestines, Poultry diseases, Tissue culture, Vitamin a. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4114-69

ENTEROTOXAEMIA OF CALVES EVOKED BY CLOSTRIDIUM PERFRINGENS TYPE B. (GE)

J Beer G Al-Khatib H Pilz

Monatsh Vet 23(1):18-25 REF

01 Jan 1968 41.8 M742

Cattle, Clostridium perfringens, Diagnosis, Enterotoxemia, Livestock diseases, Symptomatology. English and Russian summaries.

4115-69

TESTS ON LABORATORY ANIMALS AND ON TUBERCULAR COWS IN ORDER TO DETERMINE THE VALUE OF THE MORRUATO CUPRIC COLLOIDAL (GADUSAN) IN THE INTRADERMAL REACTION. (SP.)

J A Benitez L B Toranzos V G Aucar H Laffont

Veterinaria (corrientes) 1(3):41-58 REF

1965 41.8 V6465

Cattle, Dosage, Gadusan, Intradermal allergic test, Laboratory animals, Livestock diseases, Tuberculosis. English summary.

NEWCASTLE DISEASE VIRUS. CHARACTERISTICS OF A STRAIN (2425) ISOLATED IN CORDOBA, ARGENTINA IN 1961. II. COMPARATIVE STUDY OF IMMUNOLOGIC RELATIONSHIPS AND CELLULAR AFFINITIES. (SP

C M Rettinotti

Veterinaria (corrientes) 1(3):1-16 REF

1965 41.8 V6465

Absorption, Antigens, Chick embryos, Newcastle disease virus, Poultry diseases, Tissue culture, Virology. English summary.

COMPARISON OF ATTENUATED LIVE PASTEURELLA MULTOCIDA GIVEN IN DRINKING WATER TO AN OIL-BASE BAC-TERIN ADMINISTERED TO TURKEYS. (AB-STRACT).

B W Bierer W F Scott T H Eleazer

Poultry Sci 47(5):1655-1656

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Bacterins, Oils, Pasteurella multocida, Poultry diseases, Statistical analysis, Turkeys, Vaccines, Water. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4118-69

EXPERIMENTAL CONTROL MYCOPLASMA MELEAGRIDIS IN TURKEYS BY THE TEMPERATURE DIFFERENTIAL DIPPING OF EGGS IN TYLOSIN AND SPIRAMYCIN. (ABSTRACT).

C H Bigland

Poultry Sci 47(5):1656

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Disease control, Drug therapy, Mycoplasma meleagridis, Poultry diseases, Spiramycin, Temperature, Turkey eggs, Turkeys, Tylosin. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association. sociation.

4119-69

LATENT SKIN FUNGUS INFECTIONS IN ANIMALS AND THEIR IMPORTANCE FOR THE EPIDEMIOLOGY OF ANIMAL AND HUMAN DERMATOMYCOSES. (GE)

K H Bohm W Bisping
Deut Tierarztl Wochensch 75(19):473-476 REF 01 Oct 1968 41.8 D482

Animal diseases, Epidemiology, Fungi, Fungus diseases (animals), Human diseases, Ringworm, Skin diseases. English summary.

INFLUENCE OF DIETARY FAT, SOYBEAN MEAL TREATMENT AND ANTIBIOTIC SUP-

PLEMENTATION ON GROWTH OF CHICKS FED DIFFERENT CARBOHYDRATES.

G D Borgo J McGinnis

Poultry Sci 47(5):1612-1616 REF

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Antibiotics, Carbohydrates, Chicks, Diet, Fats, Food additives, Soybean meal.

SPONTANEOUS TUMORS OF THE BRAIN IN RATS: A REPORT OF 3 CASES.

GTAM Bots R Kroes V J Feron

Pathol Vet 5(3):290-296

1968 41.8 P27

Animal diseases, Brain, Neoplasms, Rats. German summary.

4122-69

NOTES ON TOXICOLOGY: THE CLOVER. (IT)

F Bottarelli

Veterinaria (milano) 17(2 MAR-APR):97-107 REF

1968 41.8 V6499

Clover, Drug therapy, Feed toxicity, Livestock, Poisonous plants, Symptomatology. The toxicity of alsike clover, crimson clover, red clover, white clover, subterranean clover is discussed.

REPRODUCTIVE ABNORMALITIES IN HENS DEFICIENT IN LINOLEIC ACID. (ABSTRACT). C C Calvert

Poultry Sci 47(5):1659

Sep 1968 47.8 AM33P

Animal abnormalities, Chickens, Deficiency diseases, Diet, Eggs, Linoleic acid, Reproduction. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

VIRULENCE, ADSORBABILITY, AND AN-TIGENICITY OF FOOT-AND-MOUTH DISEASE VIRUS SELECTED BY ADSORPTION WITH HOMOGENIZED MOUSE KIDNEY.

C H Campbell

Arch Gesamte Virusforsch 26(3):238-248 REF 1969 448.3 AR23

Adsorption, Antigens, Foot-and-mouth disease virus, Kidneys, Mice, Tissue culture, Virology.

CONTRIBUTION TO THE STUDY OF BOVINE MASTITIS DUE TO FUNGI. (FR

J-P P E Carbon

Alfort Ecole Nat Vet These (45):59P REF 1968 41.2 AL23

Antibiotics, Candida, Cattle, Cryptococcus, Deuteromycetes, Drug therapy, Epidemiology, Fungus diseases (animals), Livestock diseases, Mastitis, Symptomatology.

4126-69

OVINE GENITAL BRUCELLOSIS. EPIDID-MYTIS OF THE RAM (BRUCELLA OVIS). THE UTILIZATION OF A NEW ANTIGEN FOR THE COMPLEMENT FIXATION TEST AND IN-TRADERMAL REACTION. (SP)

V C F Cedro H O Cisale L M E de Benedetti Argent Repub Inst Nac Zoonosis Ser Tec (N s)(21):16P REF

1963 41.9 AR36

Allergens, Antigens, Brucella ovis, Brucellosis, Complement fixation, Livestock diseases, Rams, Sheep. English summary.

Reprint from: Revista de Investigaciones Ganaderas no. 16

LEPTOSPIROSIS IN ARGENTINA. DIFFUSION, MORBIDITY AND NOSOLOGICAL MAP. (SP) V C F Cedro R A Cacchione M J Bulgini E S

Argent Repub Inst Nac Zoonosis Ser Tec (N s)(2):317-336 MAP REF 1960 41.9 AR36

Agglutination test, Bacterial diseases (animals), Epidemiology, Leptospirosis, Livestock diseases, Symptomatology. English and French summaries.

Reprint from: Revista de Investigaciones Ganaderas no. 10.

PENETRATION AND DEVELOPMENT OF EIMERIA MAXIMA SPOROZOITES AND THE STATIC EFFECT OF DECOQUINATE. (AB-STRACT).

J R Challey C A Johnson Poultry Sci 47(5):1660 Sep 1968 47.8 AM33P

Bacterial diseases (animals), Chickens, Decoquinate, Drug therapy, Eimeria maxima, Macrophages, Poultry diseases, Sporozoa. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4129-69

OBSERVATIONS ON THE EFFECT OF THE RE-USE OF BROILER LITTER ON THE INCIDENCE OF MAREK'S DISEASE. (AB-STRACT).

G W Chaloupka R W Lloyd J F Gordy L M Greene

Poultry Sci 47(5):1660

Sep 1968 47.8 AM33P

Avian lymphomatosis, Bedding (livestock), Disease transmission, Epidemiology, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association

THE RELATION OF PROTEIN LEVEL OF ALFALFA MEALS TO THEIR VITAMIN K ACTIVITY. (ABSTRACT).

O W Charles E J Day Poultry Sci 47(5):1660

Sep 1968 47.8 AM33P

Alfalfa meal, Animal nutrition, Anticoagulants, Chickens, Diet, Menadione, Proteins, Vitamin k. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THE INFECTIOUS BURSAL AGENT AND PATHOLOGY OF THE DISEASE. (ABSTRACT). Y Cho S A Edgar

Poultry Sci 47(5):1661

Sep 1968 47.8 AM33P

Chickens, Infectious bursal agent, Poultry diseases, Symptomatology. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4132-69

BIOCHEMICAL RESEARCH ON HOG CHOLERA. BEHAVIOR OF SOME ENZY-MATIC ACTIVITIES IN THE SERUM. (IT)

M Compagnucci F Martone

Acta Med Vet 13(5/6,SEP-DEC):267-302 REF 1967 41.8 AC84

Biochemistry, Enzymes, Hog cholera, Livestock diseases, Serum, Swine. English and french summa-

4133-69

INVESTIGATION OF SOME ENZYMATIC ACTIVITIES (GOT, GPT, ALDOLASE, LDH, LDP, SDH) IN THE LIQUID AMNIO-ALLANTOIDS OF HEALTHY CHICK EMBRYOS OR THOSE INFECTED WITH NEWCASTLE DISEASE

M Compagnucci E Biondi A Vaccaro Acta Med Vet 13(5/6,SEP-DEC):303-319 REF

Amniotic fluid, Chick embryos, Enzymes, Newcastle disease, Poultry diseases, Virus diseases (animals). English and French summaries.

1967 41.8 AC84

THE INTERACTION OF A NONPATHOGENIC MYCOPLASMA SP. (TU) WITH MYCOPLASMA GALLISEPTICUM, AND NEWCASTLE DISEASE VIRUS IN THE AVIAN RESPIRATORY TRACT. (ABSTRACT).

R E Corstvet F Richter N Matzer

Poultry Sci 47(5):1663

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Mycoplasma, Mycoplasma gallisepticum, Newcastle disease virus, Poultry diseases, Respiratory system, Virus diseases (animals). Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4135-69

AFLATOXIN STUDIES WITH WHITE ROCK CHICKENS. (ABSTRACT).

G J Cottier C H Moore U L Diener N D Davis

Poultry Sci 47(5):1663

Sep 1968 47.8 AM33P

Aflatoxin, Animal nutrition, Animal physiology, Chickens, Diet. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4136-69

THE PATHOLOGY OF AVIAN OSTEODYS-TROPHY. (ABSTRACT).

R R Dahlgren

Poultry Sci 47(5):1665

Sep 1968 47.8 AM33P

Bone diseases, Lesions, Osteodystrophy, Poultry diseases, Symptomatology. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

A CASE OF BILATERAL POLYCYSTIC KIDNEYS IN A CAT. (IT)

S Damiano

Acta Med Vet 13(5/6,SEP-DEC):349-361 REF 1967 41.8 AC84

Animal anatomy, Animal diseases, Animal histology, Cats, Cysts, Inflammation, Kidneys, Uremia. English and French summaries.

CHRONIC FOLLICULAR HYPERTROPHIC-HYPERPLASTIC GASTRITIS IN A DOG. (IT) S Damiano

Acta Med Vet 13(5/6,SEP-DEC):363-382 REF 1967 41.8 AC84

Animal diseases, Dogs, Gastritis, Gastrointestinal diseases, Uremia. English and French summaries.

EVALUATION OF VARIOUS BIRD-RESISTANT AND NON-RESISTANT VARIETIES OF GRAIN SORGHUM FOR USE IN BROILER DIETS. B L Damron G M Prine R H Harms

Poultry Sci 47(5):1648-1650

Sep 1968 47.8 AM33P

Animal nutrition, Birds, Chickens, Crop varieties, Diet, Immunity, Sorghum.

4140-69

EFFECT OF ENERGY-PROTEIN BALANCE, ENERGY INTAKE AND METHIONINE ON GROWTH AND BODY COMPOSITION OF DUCKLINGS. (ABSTRACT).

W F Dean

Poultry Sci 47(5):1665-1666

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Ducklings, Energy, Methionine, Proteins. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

HYGIENE AND ANIMAL DISEASES IN DEUX-SEVRES (REGION OF COULONGES-SUR-L'AU-TIZE). (FR)

J-M J Debenest

Alfort Ecole Nat Vet These (33):62P MAP REF 1968 41.2 AL23

Actinomycosis, Agriculture, Animal diseases, Animal nutrition, Cattle, Climate, Environment, Hygiene, Livestock, Livestock diseases, Parasitism, Population. Many other diseases of cattle are briefly discussed.

LIVESTOCK PROTECTION

4142-69

4142-69

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE DIETHYLSTILBESTROL.

R E Duggan

Fed Regist 34(73):6625

17 Apr 1969 L1.451

Animal nutrition, Cattle, Diethylstilbestrol, Food additives, Regulations.

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES.

R E Duggan

Fed Regist 34(77):6806

23 Apr 1969 L1.451

Bacitracin methylenedisalicylic acid, Chickens, Coccidiosis, Drugs, Feed, Food additives, Growth factors, Nitro-4-hydroxyphenylarsonic acid, 3-, Poultry diseases, Regulations.

NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE NITRODAN.

R E Duggan

Fed Regist 34(66):6259

08 Apr 1969 L1.451

Ancylostoma caninum, Dogs, Food additives, Nematodes, Nitrodan, Regulations, Toxocara canis.

FACTORS RELATED TO IMMUNITY OF CHICKENS TO COCCIDIOSIS. (ABSTRACT).

S A Edgar C Flanagan K F Tam D Bond Poultry Sci 47(5):1668

Sep 1968 47.8 AM33P

Animal breeding, Animal physiology, Coccidiosis, Eimeria, Immunity, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

CALF FATTENING TRIALS WITH ORAL ADMINISTRATION OF ABDELIN ACID, AUREO-MYCIN AND CHLORAMPHENICOL, UNDER CONTROLLED ENVIRONMENTAL CONDI-TIONS. (GE)

R J Eggenhofer

Munich Univ Tierarztl Fak(inaug.-diss) (53):120P REF

1967 41.2 M9222

Abdelin acid, Animal nutrition, Calves, Chloramphenicol, Chlortetracycline, Fattening. English summary.

STUDIES ON ACUTE MAREK'S DISEASE. 9. RESISTANCE TO MD BY INOCULATION WITH THE GA ISOLATE.

C S Eidson K W Washburn S C Schmittle

Poultry Sci 47(5):1646-1648

Sep 1968 47.8 AM33P

Avian lymphomatosis, Immunity, Lesions, Mortality, Poultry diseases, Virus diseases (animals).

4148-69

DISINFECTION IN PARASITOSES. (GE)

K Enigk P Hilbrich

Deut Tierarztl Wochensch 75(19):488-492 REF 01 Oct 1968 41.8 D482

Antiseptics, Ascaris, Carbon disulfide, Coccidiosis, Lipids, Livestock diseases, Parasitism, Stables, Veterinary medicine, Waxes. English summary.

THE AMINO ACID DEFICIENCIES OF BLOOD MEAL FOR THE CHICK.

H Fisher

Poultry Sci 47(5):1478-1481

Sep 1968 47.8 AM33P

Amino acids, Animal nutrition, Blood meal, Chicks, Deficiency diseases, Proteins.

ALLERGY TESTS AND FALSE REACTIONS IN THE PREVENTION OF BOVINE TUBERCULO-SIS. (IT)

P Galati S Damiano A Zacchi

Acta Med Vet 13(5/6,SEP-DEC):425-433

1967 41.8 AC84

Allergies, Cattle, Diagnosis, Tuberculin test. English, French and German summaries.

EFFECT OF METHIONINE ON A GROWTH DEPRESSION INDUCED BY SUPPLEMENTING A CORN-SOYBEAN MEAL DIET WITH A COR

E E Gardiner E W Agudu Poultry Sci 47(5):1631-1632

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Diet, Food additives, Lysine, Methionine, Soybean meal.

KALE ANAEMIA IN RUMINANTS. I. SURVEY OF THE LITERATURE AND EXPERIMENTAL INDUCTION OF KALE ANAEMIA IN LACTAT-

C A Grant P Holtenius G Jonsson C B Thorell Acta Vet Scand 9(2):126-140 REF

1968 41.8 AC87

Anemia, Cattle, Feeding, Hematologic diseases, Kale, Lactation, Livestock diseases, Ruminants. German and Swedish summaries.

PROTEINS BEFORE AND AFTER INOCULATION WITH RSV. (ABSTRACT).

N R Gyles J E Turner C J Brown

Poultry Sci 47(5):1677

Sep 1968 47.8 AM33P

Neoplasms, Poultry diseases, Proteins, Rous sar-coma virus, Virus diseases (animals). Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

A MENINGIOMA IN A CAT ASSOCIATED WITH EROSION OF THE SKULL.

P H Hague M J Burridge Vet Rec 84(9):217-219 REF

01 Mar 1969 41.8 V641

Animal diseases, Cats, Etiology, Neoplasms, Skull.

DIETARY MAGNESIUM REQUIREMENT OF THE LAYING HEN. (ABSTRACT).

R N Hajj J L Sell

Poultry Sci 47(5):1677 Sep 1968 47.8 AM33P

Animal histology, Animal nutrition, Chickens, Diet, Dosage, Magnesium. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

SULFUR AMINO ACID REQUIREMENT OF LAYING HENS. (ABSTRACT).

R H Harms B L Damron Poultry Sci 47(5):1678

Sep 1968 47.8 AM33P

Amino acids, Animal nutrition, Chickens, Diet, Eggs, Methionine, Productivity, Sulfur. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

EPIZOOTIOLOGY OF INFLUENZA IN TURKEYS. (ABSTRACT).

P J Homme B C Easterday Poultry Sci 47(5):1682

Sep 1968 47.8 AM33P

Epizootic diseases, Influenza, Poultry diseases, Turkeys, Virus diseases (animals). Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THE EFFICACY OF TRANS AND CIS VITAMIN A. (ABSTRACT).

F G Hooper J R Couch C R Creger

Poultry Sci 47(5):1682

47.8 AM33P

Animal nutrition, Chicks, Deficiency diseases, Isomers, Poultry diseases, Vitamin a. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4159-69

ANIMAL FOOD COMPOSITION. PATENT 3,428,457.

H D Hutchinson

Us Patent Office Offic Gaz 859(3):889 18 Feb 1969 156.65 OF2

Anemia, Animal nutrition, Deficiency diseases, Food, Iron, Patents, Swine.

ORAL THERAPY OF DIABETES MELLITUS IN DOGS WITH GLYCODIAZIN. (GE

K Jeddicke

Deut Tierarztl Wochensch 75(19):482-483

01 Oct 1968 41.8 D482

Animal diseases, Diabetes, Dogs, Drug therapy, Erythromycin, Pancreas. English summary.

RELATIONSHIP OF BIOTIN TO LEG WEAK-NESS IN TURKEYS. (ABSTRACT).

L S Jensen R Martinson

Poultry Sci 47(5):1684-1685

Sep 1968 47.8 AM33P

Animal nutrition, Biotin, Deficiency diseases, Diet, Legs, Poultry diseases, Turkeys. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

ACTIVITY OF DECOQUINATE AGAINST FIELD STRAINS OF CHICKEN COCCIDIA. (ABSTRACT).

C A Johnson H E Plank M A Darling

Poultry Sci 47(5):1685 Sep 1968 47.8 AM33P

Chickens, Coccidiosis, Decoquinate, Eimeria, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science As-

4163-69

FLOOR PEN EVALUATIONS OF THE ANTICOCCIDIAL EFFECTS OF DECOQUINATE ON SINGLE AND MIXED SPECIES OF CHICKEN COCCIDIA. (ABSTRACT).

C A Johnson H Plank R Smeltzer P Halstead

Poultry Sci 47(5):1685 Sep 1968 47.8 AM33P

Coccidiosis, Decoquinate, Drug therapy, Eimeria, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

C -TYPE VIRAL PARTICLES IN PLASMA OF CATS WITH FELINE LEUKEMIA.

T G Kawakawi G H Theilen D L Dungworth R J Munn S G Beall

Science 158(3804):1049-1050 REF 24 Nov 1967 470 SC12

Blood plasma, Cats, Electron microscopy, Leukemia, Virology, Virus diseases (animals).

PATHOGENESIS OF INFECTIOUS SYNOVITIS IN GNOTOBIOTIC CHICKENS. (ABSTRACT).

K M Kerr C H Bridges Poultry Sci 47(5):1687

Sep 1968 47.8 AM33P Chickens, Germ-free life, Infectious synovitis, Lesions, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

POLYVALENT PARAINFLUENZA CF AN-TIGEN FOR SERODIAGNOSIS.

H J van K Kok-Doorschodt F M de Ronde-Verloop R Gispen

Arch Gesamte Virusforsch 24(4):312-318 Sep 1968 448.3 AR23

Antigens, Parainfluenza, Serodiagnosis, Virus diseases (animals).

4167-69

HEMAGGLUTINATION INHIBITING ANTIBODIES TO ARBOVIRUSES IN THE POPU-

LATION OF HAJDU-BIHAR DISTRICT, HUNGARY.

M Koller M Gresikova Gy Berencsy M Schablik Folia Parasitol 16(1):75-79 MAP 1969 436.8 C33

Antibodies, Arboviruses, Hemagglutination-inhibition test, Human diseases, Insect vectors, Rabbits, Tahyna virus, West nile virus.

ISOLATION OF THE TICK-BORNE ENCEPHALITIS VIRUS FROM THE SQUIRREL SCIURUS VULGARIS.

J M Kolman

Folia Parasitol 16(1:80

1969 436.8 C33

Insect vectors, Russian spring-summer encephalitis, Serological tests, Squirrels, Virus diseases (animals).

EFFECT OF NITROFURAZONE AND FURAZOLIDONE ON REPRODUCTION IN CHICKENS.

P A Kondra W Guenter

Poultry Sci 47(5):1642-1643

Sep 1968 47.8 AM33P

Chickens, Drug therapy, Eggs, Furazolidone, Nitrofurazone, Productivity, Reproduction.

SEROLOGICAL TYPING OF MYCOBACTERIA FOR TRACING POSSIBLE SOURCES OF AVIAN MYCOBACTERIAL INFECTIONS IN MAN.

M Kubin E Matuskova

World Health Organ Bull 39(5):657-662 MAP

1968 449.9 W 892B

Agglutination test, Animal vectors, Bacterial diseases (animals), Human diseases, Mycobacterium avium, Poultry, Serological tests, Tuberculosis. French summary.

4171-69

CONTROL OF MYCOPLASMA MELEAGRIDIS INFECTION IN TURKEYS. (ABSTRACT).

M C Kumar J A Newman S H Kleven B S Pomeroy

Poultry Sci 47(5):1688

Sep 1968 47.8 AM33P

Air saculitis, Bacterial diseases (animals), Dipping, Disease control, Disease transmission, Eggs, Mycoplasma meleagridis, Poultry diseases, Turkeys, Tylosin tartrate. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

TOWARDS THE ERADICATION OP BOVINE TUBERCULOSIS. (GE)

J-J E P F Le Gouis

Alfort Ecole Nat Vet These (90):92P REF

1968 41.2 AL23

Bacterial diseases (animals), Bacteriology, Cattle, Diagnosis, Livestock diseases, Serological tests, Symptomatology, Tuberculin, Tuberculosis.

4173-69

EMBRYOSTAT (OXYTETRACYCLINE POWDER). DRUGS FOR VETERINARY USE, DRUG EFFICACY STUDY IMPLEMENTATION.

H L Ley

Fed Regist 34(71):6494

15 Apr 1969 L1.451

Cattle, Dosage, Drug therapy, Drugs, Livestock diseases, Metritis, Oxytetracycline, Regulations, Veterinary medicine.

NICARBAZIN. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTA-

H L Ley

Fed Regist 34(71):6495

15 Apr 1969 L1.451

Chickens, Coccidiosis, Dosage, Drug therapy, Drugs, Nicarbazin, Poultry diseases, Regulations, Veterinary medicine.

SODIUM PROPIONATE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Ley

Fed Regist 34(66):6260-6261

08 Apr 1969 L1.451

Cattle, Drugs, Ketosis, Livestock diseases, Sodium propionate, Veterinary medicine.

SPOHN'S UDDER AID. DRUGS FOR VETERI-NARY USE; DRUG EFFICACY STUDY IMPLE-MENTATION.

H L Ley

Fed Regist 34(34,PT 1):2366

19 Feb 1969 L1.451

Dairy cattle, Dosage, Drugs, Livestock diseases, Udders, Veterinary medicine.

DEXTRAN 6 PERCENT W/V IN SALINE (PLASMA VOLUME EXPANDER). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

Fed Regist 34(66):6260

08 Apr 1969 L1.451

Animals, Blood plasma, Dextrans, Dosage, Drugs, Veterinary medicine.

SULFISOXAZOLE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTA-TION.

H L Ley

Fed Regist 34(34,PT 1):2367

19 Feb 1969 L1.451

Bacterial diseases (animals), Drugs, Sulfisoxazole, Veterinary medicine.

4179-69

NYSTATIN FOR FEED FORMULATION. DRUGS FOR VETERINARY USE. DRUG EFFICACY STUDY IMPLEMENTATION.

Fed Regist 34(66):6259-6260

08 Apr 1969 L1.451

Dosage, Drugs, Formulations, Nystatin, Veterinary

SULFADIMETHOXINE INJECTABLE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

H L Ley

Fed Regist 34(66):6261

08 Apr 1969 L1.451

Bacterial diseases (animals), Cats, Dogs, Drugs, Horses, Sulfadimethoxine, Swine, Veterinary medicine.

4181-69

PROGRESS OF THE SOVIET VIROLOGY IN FOOT-AND-MOUTH DISEASE STUDIES. (RUS)

N V Likhachev

Sel'skokhozyast Biol 2(6):814-823

1967 S13.S44

Complement fixation, Diagnosis, Foot-and-mouth disease, Immunization, Serological tests, Tissue culture, Vaccines, Virology, Virus diseases (animals). English summary.

DISSEMINATED GEOTRICHOSIS IN A DOG.

S D Lincoln J L Adcock Pathol Vet 5(3):282-289 REF

1968 41.8 P27

Animal histology, Dogs, Fungus diseases (animals), Geotrichum candidum. German summary.

4183-69

AN IMPROVEMENT OF THE INDIRECT FLUORESCENT ANTIBODY TEST FOR THE DIAGNOSIS OF INTRAERYTHROCYTIC PARASITIC INFECTIONS. (GE

K F Lohr J P J Ross

Z Tropenmed Parasitol 19(4):427-430 REF

Dec 1968 448.8 Z37

Anaplasma, Animal diseases, Antigens, Babesia, Diagnosis, Disease transmission, Erythrocytes, Fluorescent antibody technic, Parasitism, Serum. English summary.

4184-69

GLYCEMIA IN DOGS. (SP)

R D Lori

Veterinaria (corrientes) 1(3):17-24 REF

1965 41.8 V6465

Animal diseases, Dogs, Glycemia, Pentobarbital sodium. English and French summaries.

4185-69

SAFETY AND COMPATABILITY OF SULFADIMETHOXINE POTENTIATED MIXTURE (RO 5-0013), A NEW BROAD SPECTRUM COCCIDIOSTAT-ANTIBACTERIAL, IN CHICKENS. (ABSTRACT).

W L Marusich E Ogrinz M Brand M Mitrovic

Poultry Sci 47(5):1692-1693 Sep 1968 47.8 AM33P

Accident prevention, Bacterial diseases (animals), Bactericides, Chickens, Coccidiosis, Drug therapy, Poultry diseases, Pyrimidines, Sulfadimethoxine, Sulfanilamide. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association. sociation.

4186-69

OVARIAN CYSTS IN CATTLE AND ITS THERAPY WITH GESTAFORTIN AND PROLAN PREPARATIONS. (GE)

F Marx

Hanover Tierarztl Hochsch Inang Diss (64):48P REF

1967 41.2 H198

Cattle, Drug therapy, Hormones, Livestock diseases, Ovarian cysts, Pregnancy, Prolan.

GROWTH DEPRESSING EFFECT OF EXCESS LEUCINE IN RELATION TO THE AMINO ACID COMPOSITION OF THE DIET. (AB-STRACT).

D Mathieu H M Scott

Poultry Sci 47(5):1694 Sep 1968 47.8 AM33P

Amino acids, Animal nutrition, Animal physiology, Chickens, Diet, Leucine. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

PURIFICATION, ULTRASTRUCTURE, AND COMPOSITION OF AXIAL FILAMENTS FROM LEPTOSPIRA.

R K Mauman S C Holt C D Cox J Bacteriol 98(1):264-280 REF

Apr 1969 448.3 J82

Biochemistry, Cytology, Electron microscopy, Leptospira, Morphology, Ultrastructure.

4189-69

TOXOPLASMA INFECTION: SOME FACTORS POSSIBLY CONTRIBUTING TO THE MECHANISM OF TOXOPLASMIC INFECTION. (SP)

H F Mayer

Veterinaria (corrientes) 1(3):33-40

1965 41.8 V6465

Animal diseases, Mice, Toxoplasma gondii, Toxoplasmosis. English and French summaries.

EFFECT OF PHYTATE ON THE APPARENT CALCIUM REQUIREMENTS OF CHICKS. (AB-STRACT).

J J McGillivary T S Nelson Poultry Sci 47(5):1695

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Calcium, Chelation, Chicks, Diet, Phytates. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THE EPIZOOTIOLOGICAL IMPORTANCE OF FOOT-AND-MOUTH DISEASE CARRIERS. II. THE CARRIER STATUS OF CATTLE EXPOSED TO FOOT-AND-MOUTH DISEASE FOLLOW-ING VACCINATION WITH AN OIL ADJUVANT INACTIVATED VIRUS VACCINE.

J W McVicar P Sutmoller

Arch Gesamte Virusforsch 26(3):217-224 REF 1969 448.3 AR23

Animal vectors, Cattle, Foot-and-mouth disease, Immunization, Livestock diseases, Vaccines, Virus diseases (animals).

4192-69

THE LINOLEIC ACID REQUIREMENT OF THE HEN FOR REPRODUCTION. (ABSTRACT).

H Menge

Poultry Sci 47(5):1695

Sep 1968 47.8 AM33P

Animal nutrition, Chickens, Deficiency diseases, Linoleic acid, Poultry diseases, Reproduction. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

EFFECTS OF CALCIUM LEVELS IN PULLET DEVELOPERS. (ABSTRACT).

G B Meyer S W Babcock M L Sunde

Poultry Sci 47(5):1695

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Calcium, Chickens, Diet. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science As-

4194-69

THE MYCOTIC ABORTIONS IN THE COW. (FR)

P A Michelin

Alfort Ecole Nat Vet These (23):58P REF 1968 41.2 AL23

Abortion, Cattle, Diagnosis, Epidemiology, Fungus diseases (animals), Livestock diseases, Mycology, Symptomatology.

4195-69

INVESTIGATIONS ON COCCIDIA IN ZOO RU-MINANTS. (GE)

K Minck

Munich Univ Tierarztl Fak(inaug.-diss) (10):47P REF

1968 41.2 M9222

Bacterial diseases (animals), Coccidiosis, Eimeria, Excretion, Feces, Ruminants, Zoo animals. English

4196-69

ANTICOCCIDIAL **ACTIVITY** SULFADIMETHOXINE POTENTIATED MIX-TURE (RO 5-0013) IN CHICKENS.

M Mitrovic E G Schildknecht G Fusiek

Poultry Sci 47(5):1697

Sep 1968 47.8 AM33P

Chickens, Coccidiosis, Dosage, Drug therapy, Eimeria, Poultry diseases, Sulfadimethoxine, Sulfanilamide. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4197-69

ANTIBACTERIAL ACTIVITY OF SULFADIMETHOXINE POTENTIATED MIX-TURE (RO 5-0013). (ABSTRACT).

M Mitrovic G Fusiek E G Schildknecht

Poultry Sci 47(5):1697

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Bactericides, Dosage, Drug therapy, Poultry diseases, Sulfadimethoxine, Sulfanilamide. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4198-69

THE USE OF SEROLOGIC METHODS FOR THE CONTROL OF MYCOPLASI MELEAGRIDIS IN TURKEYS. (ABSTRACT). **MYCOPLASMA**

Y S Mohamed E H Bohl

Poultry Sci 47(5):1697-1698

Sep 1968 47.8 AM33P

test, Agglutination Antibodies, Dipping, Mycoplasma meleagridis, Poultry diseases, Serological tests, Turkey eggs, Turkeys, Tylosin. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THE THREONINE REQUIREMENT OF THE PULLET AND ADULT HEN. (ABSTRACT).

E T Moran J D Summers Poultry Sci 47(5):1698

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chickens, Diet, Threonine. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

CONTRIBUTION TO THE STUDY OF THE TREATMENT OF BOVINE KETOSIS. (FR)

D M Moreau

Alfort Ecole Nat Vet These (13):47P REF

1968 41.2 AL23

Adrenal cortex hormones, Biochemistry, Cattle, Coenzyme a, Drug therapy, Insulin, Ketosis, Livestock diseases, Symptomatology.

EPIDEMIOLOGICAL ANALYSIS OF DISEASE REPORTS OF THE SOUTHERN CONFERENCE ON AVIAN DISEASES. (ABSTRACT).

C D Murphy

Poultry Sci 47(5):1700

Sep 1968 47.8 AM33P

Conferences, Diagnosis, Epidemiology, Poultry diseases, Reports. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science As-

4202-69

A SURVEY OF BRUCELLA INFECTION OF CATTLE IN KENYA. A COMPARISON OF FOUR SEROLOGICAL TESTS FOR THE DIAGNOSIS OF INFECTION.

L K Nagy A O Sorheim Vet Rec 84(3):65-67

18 Jan 1969 41.8 V641

Brucellosis, Cattle, Diagnosis, Livestock diseases, Serological tests, Surveys.

DIETARY AMINO ACIDS AND MUSCULAR DYSTROPHY. (ABSTRACT).
S P Netke J G Velu H M Scott

Poultry Sci 47(5):1701

Sep 1968 47.8 AM33P

Amino acids, Animal nutrition, Chickens, Diet, Muscular dystrophy, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4204-69

EFFECT OF ASCORBIC ACID WITHDRAWAL ON INTERIOR EGG QUALITY. (ABSTRACT).

C F Nockels R B Herrick J V Shutze

Poultry Sci 47(5):1702

Sep 1968 47.8 AM33P

Animal nutrition, Ascorbic acid, Chickens, Diet, Eggs, Vitamin e. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4205-69

STUDIES ON THE SODIUM REQUIREMENTS OF CHICKS. (ABSTRACT).

H Nott G F Combs Poultry Sci 47(5):1702

Sep 1968 47.8 AM33P

Animal nutrition, Chickens, Diet, Sodium, Sodium chloride. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association

4206-69

AMINO ACIDS VERSUS PROTEIN IN LOW PROTEIN CAGE-LAYER DIETS. ABSTRACT).

E J Novacek C W Carlson Poultry Sci 47(5):1702-1703

Sep 1968 47.8 AM33P

Amino acids, Animal cages, Animal nutrition, Chickens, Deficiency diseases, Diet, Poultry diseases, Proteins. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4207-69

AMINO ACIDS AND ISONITROGENOUS TURKEY STARTER DIETS. (ABSTRACT).

E J Novacek C W Carlson Poultry Sci 47(5):1703

Sep 1968 47.8 AM33P

Amino acids, Animal nutrition, Animal physiology, Deficiency diseases, Diet, Nitrogen, Poultry diseases, Turkeys. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

EPITHELIAL CHANGES IN PORCINE EXUDATIVE EPIDERMITIS; THE LIGHT-MICROSCOPICAL PICTURE.

A L Obel

Pathol Vet 5(3):253-269 REF

1968 41.8 P27

Baby pigs, Epithelium, Exudative epidermitis, Livestock diseases, Microscopy. German summary.

A CONTRIBUTION TO THE PROPHYLACTIC USE OF GAMMATONIN IN CALVES. (GE)

Hanover Tierarztl Hochsch Inang Diss (38):35P REF

1967 41.2 H198

Biuret test, Calves, Electrophoresis, Gamma globulins, Injections, Livestock diseases.

COBALT AND VITAMIN C FOR CHICKS. (AB-STRACT).

J D Olson E W Kienholz Poultry Sci 47(5):1704

Sep 1968 47.8 AM33P Animal nutrition, Animal physiology, Ascorbic acid, Chickens, Cobalt, Diet, Food additives, Proteins. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Associa-

4211-69

OBSERVATIONS ON SEPTICEMIA OF CAT-TLE CAUSED BY A HAEMOPHILUS-LIKE OR-GANISM.

R J Panciera R R Dahlgren H B Rinker Pathol Vet 5(3):212-226

1968 41.8 P27

Animal histology, Cattle, Haemophilus, Livestock diseases, Microbiology, Septicemia, Symptomatology. German summary.

THE EFFECT OF ADDED ENERGY ON INDUCED MYCOPLASMA GALLISEPTICUM INFECTION IN BROILERS. (ABSTRACT).

R T Parkhurst T H Vardaman J G Griffin

Poultry Sci 47(5):1706

Sep 1968 47.8 AM33P

Animal nutrition, Bacterial diseases (animals), Chickens, Diet, Energy, Mycoplasma gallisepticum, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

LYMPHOEPITHELIAL TISSUES OF THE IN-TESTINE AND DIFFERENTIATION OF ANTIBODY PRODUCTION.

DY E Perey Cooper RA Good

Science 161(3838):265-266 REF

19 Jul 1968 470 SC12

Animal physiology, Antibodies, Brucella abortus, Epithelium, Intestines, Liver, Lymph nodes, Rabbits, Tissues.

FIELD SIGNIFICANCE OF MYCOPLASMA MELEAGRIDIS INFECTION. (ABSTRACT).

1 L Peterson

Poultry Sci 47(5):1708-1709

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Chickens, Dipping, Eggs, Mycoplasma meleagridis, Poultry diseases, Tylosin. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Associa-

4215-69

PATHOGENESIS OF AND RECOVERY FROM RESPIRATORY SYNCYTIAL AND INFLUENZA INFECTIONS IN FERRETS.

C A Pinto R F Haff R C Stewart

Arch Gesamte Virusforsch 26(3):225-237 REF 1969 448.3 AR23

Ferrets, Influenza, Pathogenesis, Respiratory diseases, Respiratory syncytial virus, Virology, Virus diseases (animals).

4216-69

BACTERIAL CONTAMINATION AND PER-FORMANCE OF LEGHORN BREEDERS ON SLOPING WIRE VERSUS LITTER FLOORS. (ABSTRACT).

C L Quarles G O Bressler R F Gentry

Poultry Sci 47(5):1709

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Bedding (livestock), Chickens, Eggs, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THE ANIMAL ADENOVIRUSES. (FR)

P M Quinart

Alfort Ecole Nat Vet These (12):70P REF 1968 41.2 AL23

Adenoviruses, Birds, Cattle, Humans, Mice, Monkeys, Swine, Virology, Virus diseases (animals).

BUQUINOLATE-A REVIEW.

T V Raines

Poultry Sci 47(5):1425-1432 REF

Sep 1968 47.8 AM33P

Buquinolate, Chickens, Coccidiosis, Dosage, Drug therapy, Eimeria, Food additives, Poultry diseases, Testing

4219-69

COTTONSEED MEAL, LYSINE, METHIONINE FOR LAYERS. (ABSTRACT).

R H Roberson D W Francis Poultry Sci 47(5):1711

Sep 1968 47.8 AM33P

Animal nutrition, Chickens, Cottonseed meal, Eggs, Lysine, Methionine, Proteins, Soybean meal. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

USE OF CHICKS TO MEASURE AVAILABILI-TY OF IRON. (ABSTRACT).

T Roberts J W Boehne J C Fritz

Poultry Sci 47(5):1711

Sep 1968 47.8 AM33P

Animal nutrition, Ethylenediaminetetraacetic acid, Iron. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4221-69

SPECIFICITY OF THE CHICK'S REQUIRE-MENT FOR CHOLINE. (ABSTRACT).

T Roberts J C Fritz Poultry Sci 47(5):1711 Sep 1968 47.8 AM33P Animal nutrition, Chicks, Choline, Diet, Methionine, Perosis, Poultry diseases. Abstract of paper presented at the 57th Annual meeting of the Poultry Science Association.

FUMIGATION AND REUSE OF BROILER LITTER. (ABSTRACT).

E Ross

Poultry Sci 47(5):1711-1712

Sep 1968 47.8 AM33P

Animal physiology, Bacterial diseases (animals), Bedding (livestock), Chemical control (animal diseases), Chicks, Fumigation, Methyl bromide, Mortality, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science

INFLUENCE ON EGG QUANTITY AND QUALITY WITH SORGHUM GRAIN DIETS SUPPLEMENTED WITH CORN OIL AND/OR FU-RAZOLIDONE. (ABSTRACT).

P E Sanford B S Rathore

Poultry Sci 47(5):1714

Sep 1968 47.8 AM33P

Animal nutrition, Corn oil, Diet, Eggs, Food additives, Furazolidone, Productivity, Sorghum. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

EFFECT OF MGA ON BODY WEIGHT, BODY FAT AND FATTY ACID COMPOSITION OF CHICKENS. (ABSTRACT).

N G Sauer D A Cramer J V Shutze

Poultry Sci 47(5):1715

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chickens, Fatty acids, Food additives, Melengestrol acetate. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

SHELL QUALITY EFFECT ON SALMONELLA PENETRATION. (ABSTRACT).

E A Sauter C F Petersen

Poultry Sci 47(5):1715

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Dipping, Eggs, Permeability, Poultry diseases, Salmonella. Ab-stract of paper presented at the 57th Annual Meet-ing of the Poultry Science Association.

SPONTANEOUS TUMORS IN HOLTZMAN-SOURCE RATS OF VARIOUS AGES.

J L Schardein J E Fitzgerald D H Kaump Pathol Vet 5(3):238-252 REF

1968 41.8 P27

Animal diseases, Neoplasms, Rats, Statistical analysis. German summary.

4227-69

EPIZOOTICS OF TRICHINOSIS IN PIGS AND ITS RELATION WITH ANTI-RAT PROCEDURES USING WARFARIN. (SP)

H Schenone J Carrasco F Villarroel R Chinchon J Urriola

Bol Chileno Parasitol 22(4,OCT-DEC):138-143 REF

1967 436.9 C43

Epidemiology, Epizootic diseases, Livestock diseases, Rats, Rodent control, Swine, Trichinella spiralis, Trichinosis, Warfarin. English summary.

It is suggested that using anti-coagulant rodenti-cides could be the origin of trichinosis epizootics in pigs.

TRICHINELLA SPIRALIS INFECTION IN RAT-TUS NORVEGICUS FROM THE MUNICIPAL ABATTOIR OF SANTIAGO, CHILE. (SP)

H Schenone C Jacob A Rojas F Villarroel Bol Chileno Parasitol 22(4,OCT-DEC):176 1967 436.9 C43

Animal diseases, Rats, Trichinella spiralis, Trichinosis. English summary.

4229-69

LIGHT AND ELECTRON MICROSCOPE IN-VESTIGATIONS ON THE FORMATION OF THE OOCYST WALL IN EIMERIA SPECIES (EIMERIA PERFORANS, E. STIEDAE, AND E. TENELLA). (GE)

E Scholtyseck A Rommel G Heller

Z Parasitenk 31(4):289-298

10 Mar 1969 442.8 Z33F

Cell wall, Cytology, Eimeria, Electron microscopy, Inclusion bodies. English abstract.

EGG TRANSMISSION STUDIES OF TYPE II LEUKOSIS INFECTION (MAREK'S DISEASE). M Sevoian

Poultry Sci 47(5):1644-1646

Sep 1968 47.8 AM33P

Avian lymphomatosis, Chick embryos, Disease transmission, Eggs, Poultry diseases, Virus diseases (animals).

THE LEVELS OF TYPE II INFECTION (MAREK'S DISEASE) IN 8-WEEK-OLD CHICKENS PROCESSED AT DRESSING PLANTS. (ABSTRACT).

M Sevoian

Poultry Sci 47(5):1718

Sep 1968 47.8 AM33P

Avian lymphomatosis, Chickens, Food processing, Inspection (agricultural products), Poultry diseases, Virus diseases (animals). Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

HETEROLOGOUS IMMUNITY IN AVIAN HOSTS INFECTED WITH PLASMODIUM RE-LICTUM AND PLASMODIUM LOPHURAE.

A Shahidi J N Farmer

Folia Parasitol 16(1):41-55 REF 1969 436.8 C33

Antigens, Chickens, Immunization, Plasmodium.

4233-69

LYSINE REQUIREMENT OF THE GROWING CHICK. (ABSTRACT).

F R Shank G F Combs O P Thomas

Poultry Sci 47(5):1718

Sep 1968 47.8 AM33P Amino acids, Animal nutrition, Animal physiology, Biological assay, Chicks, Diet, Lysine, Proteins. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

IMBALANCED LYSINE FEEDS FOR START-ING OR GROWING CHICKS.

D H Sherwood C D Caskey J E Jones S B Smith M C Van Wormer

Poultry Sci 47(5):1719

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chicks, Diet, Feed, Lysine. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

ON THE STRUCTURE OF HORSE INFLUENZA VIRUS. A CONTRIBUTION TO THE ULTRASTRUCTURE OF INFLUENZA VIRUSES. (GE)

G Siegl J Pette H Mahnel Arch Gesamte Virusforsch 24(4):299-311 REF Sep 1968 448.3 AR23

Electron microscopy, Equine influenza viruses, Horses, Morphology, Ultrastructure, Virus diseases (animals). English abstract.

THE NATURAL OCCURRENCE OF SURRA IN THE AFRICAN LONGHAIRED FOX. (IT)

Veterinaria (milano) 17(2 MAR-APR):126-131 1968 41.8 V6499

Animal diseases, Biometry, Camels, Foxes, Insect vectors, Protozoa, Surra, Tabanidae, Trypanosoma evansi, Trypanosomiasis.

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4237-69

THE IMPORTANCE OF BRUCELLOSIS INFEC-TION IN REGARD TO HUMAN HEALTH. (IT) G P Sonda

Veterinaria (milano) 17(2 MAR-APR):108-111 1968 41.8 V6499

Bacterial diseases (animals), Brucella abortus, Brucella melitensis, Brucella suis, Brucellosis, Dairy products, Human diseases, Livestock diseases.

4238-69

FFECT OF AN IODOPHOR ON SHELF LIFE OF POULTRY. (ABSTRACT).

J V Spencer E M Streeter M H George

Poultry Sci 47(5):1721

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Carcasses, Chlorine, lodophors, Poultry diseases, Salmonella typhimurium, Storage diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science

ELECTRON MICROSCOPY AS AN AID TO THE RAPID IDENTIFICATION OF ANIMAL VIRUSES.

P B Spradbrow J Francis Vet Rec 84(10):244-246 REF 08 Mar 1969 41.8 V641

Cells, Diagnosis, Electron microscopy, Phosphotungistic acid, Virology, Virus diseases microscopy. (animals).

4240-69

OXIDATION OF D-MALIC AND BETA-ALKYL-MALIC ACIDS BY WILD-TYPE AND MUTANT STRAINS OF SALMONELLA TYPHIMURIUM AND BY AEROBACTER AEROGENES.

J R Stern R W O'Brien J Bacteriol 98(1):147-151 Apr 1969 448.3 J82

Aerobacter aerogenes, Biochemistry, Malic acid, Metabolism, Mutation, Salmonella typhimurium.

APPETITE SUPPRESSION IN HAMSTERS AND SWINE FED A DITHIOCARBAMOYL-HYDRAZINE (ICI 33828).

F W Stratman D L Garbers N L First J Anim Sci 28(3):359-363 REF Mar 1969 49 J82

Animal physiology, Dithiocarbamoylhydrazine, Hamsters, Swine.

AVIAN VIRUS-INDUCED TUMORS. E L Stubbs A M Wallbank Poultry Sci JM(5) 1448-1452 REF

Sep 1968 47.8 AM33P

Cancer, Chickens, Neoplasms, Poultry diseases, Tissue culture, Virology, Virus diseases (animals).

A CONTRIBUTION TO THE SALMONELLOSIS OF CATTLE AND ITS THERAPY. (GE)

W Stute J Oetjen

Tierarztl Umsch 23(9):446-448 REF

01 Sep 1968 41.8 T445

Bacterial diseases (animals), Cattle, Chloramphenicol, Drug therapy, Furazolidone, Livestock diseases, Salmonella dublin, Salmonello-

4244-69

EFFECTS OF EXCESS AMINO ACIDS ON GROWTH OF CHICKS FED AMINO ACID DEFICIENT DIETS. (ABSTRACT).

M Sugahara D H Baker H M Scott

Poultry Sci 47(5):1723-1724

Sep 1968 47.8 AM33P

Amino acids, Animal nutrition, Animal physiology, Chicks, Diet. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THERAPEUTIC EFFICACY OF RONIDAZOLE IN WATER AGAINST HISTOMONIASIS AND

EFFECT OF CONTINUOUS FEED LEVELS ON GROWTH IN TURKEYS. (ABSTRACT).

T W Sullivan O D Grace R J Mitchell

Poultry Sci 47(5):1724

Sep 1968 47.8 AM33P

Animal physiology, Blackhead, Dosage, Drug Feed, Heterakis gallinae, Histomonas therapy. meleagridis, Poultry diseases, Ronidazole, Turkeys, Water. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

THE INFLUENCE OF HIGH LEVEL OF L-PHENYLALANINE ON CHICKS HATCHED FROM PULLETS FED SAME LEVEL OF L-PHENYLALANINE. (ABSTRACT).

H-S Tamimie

Poultry Sci 47(5):1726

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chickens, Diet, Food additives, Phenylalanine. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

OPTIMUM RACHITOGENIC ACTIVITY OF C-1 PROTEIN. (ABSTRACT). DESTRUCTION

O J Thompson C W Carlson 1 S Palmer

Poultry Sci 47(5):1727

Sep 1968 47.8 AM33P

Animal nutrition, Chickens, Deficiency diseases, Diet, Poultry diseases, Proteins, Rickets. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

DETERMINATION OF THE VIRULENCE OF THE MYCOBACTERIUM TUBERCULOSIS BY THE FLUORESCENCE METHOD. (SP)

L B Toranzos H E Laffont V G Aucar J A

Veterinaria (corrientes) 1(3):67-73

1965 41.8 V6465

Bacterial diseases (animals), Fluorescence, Guinea pigs, Mycobacterium tuberculosis, Virulence, English summaries.

4249-69

LOW LYSINE DIETS FOR REARING REPLACEMENT PULLETS. (ABSTRACT).

J L Trammell C R Creger J R Couch

Poultry Sci 47(5):1727-1728

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chickens, Diet, Lysine. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

EFFECT OF PROLONGED INFECTION BY IN-TESTINAL COCCIDIA UPON ZINC-65 AND OLEIC ACID ABSORPTION IN BROILERS. (ABSTRACT).

D E Turk J F Stephens Poultry Sci 47(5):1728

Sep 1968 47.8 AM33P

Animal nutrition, Chickens, Coccidiosis, Eimeria acervulina, Eimeria necatrix, Oleic acid, Poultry diseases, Zinc isotopes. Abstract of paper presented at the 57th Annual Meeting the Poultry Science Association.

MID SMALL INTESTINAL PARASITISM AND ABSORPTION OF AMINO ACIDS AND PROTEIN. (ABSTRACT).

D E Turk J F Stephens Poultry Sci 47(5):1728

Sep 1968 47.8 AM33P

Absorption, Amino acids, Eimeria necatrix, In-Radioactivity. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4252-69

INVESTIGATIONS ON COTTON WILT IN WESTERN TURKEY, (TU)

Z Turkmenoglu S Kaya

Bitki Koruma Bulteni 8(3):168-171

1968 464.8 B542

Cotton, Wilt. English summary.

ROLE OF THE CUTICLE IN EGG SPOILAGE. (ABSTRACT).

D V Vadehra R C Baker

Poultry Sci 47(5):1728-1729

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Cuticle, Eggs, Food spoilage, Immunity, Poultry diseases, Pseudomonas aeruginosa. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Associa-

4254-69

INVESTIGATIONS ON THE OCCURRENCE OF BOVINE LEUKOSIS IN THE COUNTY OF OL-DENBURG, INCLUDING THE CITY OF DELMENHORST AND THE METROPOLITAN AREA OF OLDENBURG. (GE)

W Vogel

Hanover Tierarztl Hochsch Inang Diss (45):40P REF

1967 41.2 H198

Cattle, Epidemiology, Leukosis, Livestock dis-

4255-69

ESSENTIAL AMINO ACID LEVELS FOR STARTING POULTS. (ABSTRACT).

Re Warnick J O Anderson Poultry Sci 47(5):1731

Sep 1968 47.8 AM33P Amino acids, Animal nutrition, Animal physiology,

Chickens, Diet. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

HEMATOLOGY OF AN INHERITED ANEMIA IN THE DOMESTIC FOWL.

K W Washburn J R Smyth

Poultry Sci 47(5):1406-1411 REF

Sep 1968 47.8 AM33P

Anemía, Animal genetics, Chickens, Hematology, Hereditary diseases, Poultry diseases.

EFFECT OF ENVIRONMENTAL TEMPERA-TURE ON IRON DEFICIENCY ANEMIA IN ATHENS-CANADIAN RANDOMBRED CHICKS. K W Washburn T M Huston

Poultry Sci 47(5):1532-1535 Sep 1968 47.8 AM33P

Anemia, Animal nutrition, Chicks, Copper, Deficiency diseases, Environment, Erythrocytes, Iron, Poultry diseases, Temperature.

4258-69

STRONTIUM METABOLISM IN HENS. (AB-STRACT).

C W Weber A R Doberenz B L Reid

Poultry Sci 47(5):1731

Sep 1968 47.8 AM33P

Animal nutrition, Biochemistry, Chickens, Diet, Metabolism, Strontium. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

INVESTIGATIONS CONCERNING THE ULTRASTRUCTURE AND ETIOLOGY OF THE MAST CELL TUMORS IN THE DOG. (GE)

E Weiss R Rudolph N Deutschlander

Pathol Vet 5(3):199-211 REF

1968 41.8 P27

Animal diseases, Animal histology, Dogs, Electron microscopy, Neoplasms, Tissues. English summary.

SYMPOSIUM ON BRUCELLOSIS IN IRELAND. SYMPOSIUM ON BRUCELLOSIS IN IRELAND.

I. BRUCELLOSIS: BACTERIOLOGY AND
EPIDEMIOLOGY. II. BRUCELLOSIS:
SEROLOGICAL DIAGNOSIS. III. VACCINES
AND BRUCELLOSIS.

D S White D J O'Reilly B Cunningham

Irish Vet J (N s)22(7):122-131

Jul 1968 41.8 IR4

Bacteriology, Brucellosis, Diagnosis, Epidemiology, Livestock diseases, Serological tests, Symposia, Vaccines.

4261-69

EFFECT OF DIETARY LIPIDS UPON THE LIPASE, PANCREATIC CHOLESTEROL ESTERASE, PLASMA TRIGLYCERIDE AND TOTAL PLASMA LIPIDS LEVEL IN THE CHICK. (ABSTRACT).

J R Wills S W Hinners

Poultry Sci 47(5):1732-1733

Sep 1968 47.8 AM33P

Animal nutrition, Biochemistry, Chicks, Cholesterol, Diet, Esterases, Glycerides, Lipases, Lipids, Pancreas, Plasma membrane. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

MILK FEVER IN THE DOG. (FR)

J H Witte

Alfort Ecole Nat Vet These (24):42P REF

1968 41.2 AL23

Animal diseases, Animal nutrition, Calcium chloride, Calcium gluconate, Diagnosis, Dogs, Milk fever, Symptomatology, Vitamin d.

MYCOPLASMA PERSISTANCE MELEAGRIDIS IN THE GENITALIA OF EX-PERIMENTALLY INFECTED TURKEYS. (AB-

R Yamamoto H B Ortmayer C S Joshi

Poultry Sci 47(5):1734

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Mycoplasma meleagridis, Poultry diseases, Reproductive organs, Turkeys. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Associa-

4264-69

LYSINE LEVELS ON CHICK GROWTH AND NITROGEN UTILIZATION. (ABSTRACT).

M A Zavala C R Creger J R Couch

Poultry Sci 47(5):1734

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chicks, Diet, Lysine, Nitrogen. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4265-69

EFFECT OF SPECTINOMYCIN ON EXPERIMENTALLY INDUCED ARIZONA GROUP INFECTION IN TURKEYS. (ABSTRACT).

Z Zolli D E Polewaczyk

Poultry Sci 47(5):1735

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Drug therapy, Injections, Mortality, Paracolobactrum arizonae, Poultry diseases, Spectinomycin, Turkeys. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4266-69

STUDIES ON SEVERAL STRAINS OF PSEU-DORABIES (AUJESZKY) VIRUS SHOWING DIFFERENT VIRULENCE BY MEANS OF THE IMMUNO- AND ACRIDINE ORANGE FLUORESCENCE.

A Zuffa J Matis V Pleva

Arch Gesamte Virusforsch 24(4):396-405 REF

Sep 1968 448.3 AR23

Acridine orange, Immunofluorescence, Pseudorabies virus, Tissue culture, Virulence.

ARTHROPODS

4267-69

TICKS OF THE NATIONAL REACTOR TEST-ING STATION.

D M Allred

Brigham Young Univ Sci Bull Biol Ser 10(1):29P MAP

Jun 1968 500 B76

Insect ecology, Insect traps, Ixodides, Parasitic insects, Radiation, Vertebrates.

MALLOPHAGA OF DOMESTIC CHICKENS FROM CUBA.

V Cerny

Folia Parasitol 16(1):40

1969 436.8 C33

Catalogs, Chickens, Insect ecology, Mallophaga, Surveys.

PARASITES

4269-69

A STUDY OF OESOPHAGOSTOMIASIS, EN-COUNTERED IN YOUNG BUFFALOES OF CASERTANO. (IT)

S Damiano

Acta Med Vet 13(5/6,SEP-DEC):383-411 REF 1967 41.8 AC84

Animal anatomy, Animal diseases, Animal histology, Buffaloes, Intestines, Oesophagostomiasis, Oesophagostomia radiatum.

4270-69

MINIMUM TIME FOR DEVELOPMENT AND LIFE SPAN OF METACERCARIAE. (GE

Z Parasitenk 31(4):340-366 REF

10 Mar 1969 442.8 Z33F

Development, Host relationships, Metacercaria, Parasitism, Trematoda. English abstract.

Digenetic trematodes which can be divided into three distinct groups based on the development of their metacercariae, survive ecologically un-favourable periods by remaining in the intermediate host

4271-69

FLAPHOSTRONGYLUS CERVI CAMERON, 1931 IN THE CENTRAL NERVOUS SYSTEM OF RED DEER (CERVUS ELAPHUS).

1 Dykova

Folia Parasitol 16(1):74

1969 436.8 C33

Animal histology, Central nervous system, Deer, Epizootic diseases, Histopathology, Nematodes.

EFFICACY OF SEVERAL DRUGS FOR CONTROL OF POULTRY NEMATODES. (AB-STRACT).

S A Edgar

Poultry Sci 47(5):1668

Sep 1968 47.8 AM33P

Ascaridia galli, Capillaria obsignata, Dispharynx nasuta, Drug therapy, Heterakis gallinarum, Hydroxynaphthalimide diethyl phosphate, N-, Meldane, Methyridine, Nematodes, Piperazine dane, Methyridine, Nematodes, Piperazine phosphate, Poultry. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4273-69

BRIEF COMMUNICATION ON THE OC-CURANCE OF THELACIAEPATHOGENS OF AN ENZOOTIC EYE DISEASE IN CATTLE IN THE GERMAN DEMOCRATIC REPUBLIC. (GE

T Hiepe 1 Vilagiova I Uschmann Monatsh Vet 23(1):25-26 REF 01 Jan 1968 41.8 M742

Cattle, Eyes, Eyeworms, Larvae, Parasitism, Thelazia gulosa, Thelazia skrjabini. English and Russian summaries.

FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. COUMAPHOS.

Fed Regist 34(84):7237-7238

02 May 1969 L1.451

Beef cattle, Coumaphos, Dairy cattle, Feed, Food additives, Gastrointestinal system, Parasitism.

FISH AS OBSERVED HOSTS OF ASCARIDS--THEIR SIGNIFICANCE IN REGARD TO MAN'S HEALTH. (GE)

J Lamina H Gemmer

Arch Lebensmittelhyg 20(3):66-68

Mar 1969 41.8 L49

Ascaris, Fish, Human diseases, Parasitism.

EXPERIMENTS ON THE LOSS OF DIC-TYOCAULUS FILARIA FROM THE LUNGS OF INFECTED SHEEP. II. THE DEMONSTRATION OF WORMS IN THE BRONCHIAL SPARE MU-

J F Michel

Folia Parasitol 16(1):57-65

1969 436.8 C33

Dictyocaulus filaria, Lungs, Nematodes, Sheep.

AN ATTEMPT TO ELIMINATE THE PRINCIPAL PARASITIC NEMATODES OF DOGS BY USING A NEW PHOSPHORIC ESTER. (FR)

Alfort Ecole Nat Vet These (42):52P REF 1968 41.2 AL23

Ancylostoma caninum, Animal diseases, Anthelmintics, Dichlorvos, Dogs, Drug therapy, Human diseases, Nematodes, Parasitism, Toxascaris leonina, Toxocara canis, Trichuris vulpis.

4278-69

THE FINDING OF GONGYLONEMA PULCHRUM MOLIN, 1857 (NEMATODA) IN **GONGYLONEMA**

B Rysavy Z Sebek F Tenora Folia Parasitol 16(1):66 1969 436.8 C33

Animal diseases, Host relationships, Human diseases, Insect vectors, Nematodes.

4279-69

FURTHER STUDIES ON THE ANTHELMINTIC ACTIVITY OF 1-TETRAMISOLE AGAINST GASTRO-INTESTINAL HELMINTHS

J P Smith R R Bell

Southwest Vet 22(1,FALL):25-28

1968 41.8 SO82

Anthelmintics, Chemical control (nematodes), Dosage, Gastrointestinal system, Helminths, Hydrochloric acid, Sheep, Tetramisole.

THE ANAEMIA OF ACUTE AND CHRONIC OVINE FASCIOLIASIS.

L E A Symons J C Boray

Z Tropenmed Parasitol 19(4):451-472 REF

Dec 1968 448.8 Z37

Fasciola hepatica, Fascioliasis, Hematology, Iron isotopes, Livestock diseases, Parasitism, Sheep. German summary.

4281-69

STUDIES ON THE EPIZOOTOLOGY OF GASTROINTESTINAL HELMINTHS IN CALVES. (GE)

Hanover Tierarztl Hochsch Inang Diss (48):54P

1967 41.2 H198

BIBLIOGRAPHY

4282-69

Animal nutrition, Calves, Epizootic diseases, Feces, Gastrointestinal system, Helminths, Feces, Gastrointestinal system, Helminths, Livestock diseases. English and Russian summa-

4282-69

TOXOCARIASIS IN MAN AND ANIMALS.

R A Wiseman

Vet Rec 84(9):214-216 01 Mar 1969 41.8 V641

Animal diseases, Ascariasis, Ascaris lumbricoides, Diagnosis, Epidemiology, Human diseases, Tox-

COMMODITY PROTECTION

EFFECT OF STORAGE ON COTTONSEED AND COTTONSEED PRODUCTS.

A Rahim A Kahn A Ali

Pakistan Cottons 12(1):27-30

Oct 1967 72.8 P172

Chemicals, Cottonseed, DDT, Humidity, Nitrogen, Storage, Temperature.

STORAGE DISEASES

4284-69

A STUDY OF CARCASSES CONDEMNED FOR SKIN LEUKOSIS. (ABSTRACT).

S A Edgar

Poultry Sci 47(5):1667-1668

Sep 1968 47.8 AM33P

Avian lymphomatosis, Carcasses, Food contamination, Poultry diseases, Skin diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

IRRADIATION TREATMENT ON WIENER SAUSAGE WITH GAMMA-RAY. (JA

K Kosaka T Tsukada S Yano H Danbara

J Food Sci Tech 15(11):507-513

Nov 1968 388 J822

Bacteria, Food contamination, Gamma rays, Sausages, Storage diseases. English summary.

MICROBIAL CONTAMINATION

IRRADIATED FOOD: FDA BLOCKS AEC, ARMY REQUESTS FOR APPROVAL.

A Jamison

Science 161(3837):146-148

12 Jul 1968 470 SC12

Food consumption, Food preservation, Irradiation, Regulations.

4287-69

REDUCTION OF SHELF-LIFE OF FRESH FRYERS DUE TO INFECTION WITH ESCHERICHIA COLI PRIOR TO PROCESSING.

E A Sauter W B Ardrey C F Petersen

Poultry Sci 47(5):1470-1473

Sep 1968 47.8 AM33P

Aerobic bacteria, Chicken types (meat), Escherichia coli, Food contamination, Food processing.

4288-69

ISOLATION OF THE TUBERCULOSIS BACILLUS THROUGH ELECTROPHORESIS IN ARTIFICIALLY CONTAMINATED MILK. (SP $)\,$

L B Toranzos V G Aucar H E Laffont J A Benitez

Veterinaria (corrientes) 1(3):25-31

1965 41.8 V6465

Bacillus, Electrophoresis, Food contamination, Isolates, Milk, Mycobacterium tuberculosis. English summary.

4289-69

SALMONELLA ORGANISMS IN POULTRY FEEDS. (ABSTRACT).

H C Zindel M V Bennett Poultry Sci 47(5):1734-1735

Sep 1968 47.8 AM33P

Bacterial diseases (animals), Feed, Food contamination, Poultry diseases, Salmonella. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

ENVIRONMENTAL CONTAMINATION

4290-69

RESEARCH INTO ENVIRONMENTAL POLLU-TION.

World Health Organ Tech Rep Ser (406):83P 1968 449.9 W892T

Agricultural research, Air pollution, Environment, Pesticides, Soil contamination, Water pollution.

RESIDUES

4291-69

EXPERIENCES WITH RESIDUE RESEARCH IN LETTUCE. (DU)

L Bavenboer

Neth Dir Tuinbouw Mededel 31(617,JUN-JUL):243-249

1968 86 N384

Chemical control (plant diseases), Fungus diseases (plants), Lettuce, Regulations, Residues, (plants), Lettuce, Regu Tolerances. English summary.

SOME REMARKS ON PLANT PROTECTION PREPARATION-TOLERANCES. (GE

H Drees

Gesunde Pflanzen 20(9):193-195

Sep. 1968 464.8 G33

Carbamates, Carbaryl, Chlorinated hydrocarbons, Demeton, DDT, Lindane, Parathion, Pesticide residues, Pesticides, Plant protection, Tolerances.

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(66):6261

08 Apr 1969 L1.451

Chromatography, Dimet residues, Pecans, Tolerances. Dimethoate, Insecticide

O-ISOPROPOXYPHENOL METHYLCARBA-MATE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE FOR PESTICIDE CHEMICAL.

R E Duggan

Fed Regist 34(83):7180

01 May 1969 L1.451

Barley, Insecticide residues, Isopropoxyphenyl N-methylcarbamate, 2-, Oats, Tolerances, Wheat.

4295-69

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODI-TIES. DICAMBA.

J K Kirk

Fed Regist 34(66):6239

08 Apr 1969 L1.451

Dicamba, Grasses, Hay, Herbicide residues, Herbicides, Ranges, Tolerances.

2,4-DICHLOROPHENYL P-NITROPHENYL ETHER. NOTICE OF EXTENSION OF TEMPORARY TOLERANCES.

J K Kirk

Fed Regist 34(84):7252 02 May 1969 L1.451

Dichlorophenyl p-nitrophenyl ether, 2,4-, Herbicide residues, Rice, Tolerances.

FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD PRODUCING ANIMALS. FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. BUQUIN-OLATE.

J K Kirk

Fed Regist 34(80):6976-6977

26 Apr 1969 L1.451

Buquinolate, Chickens, Eggs, Food additives, Insecticide residues, Tissues.

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. FOOD ADDITIVES. PHOSALONE.

J K Kirk

Fed Regist 34(84):7237

02 May 1969 L1.451

Apples, Food additives, Grapes, Insecticide residues, Pears, Phosalone, Tolerances.

TOLERANCES AND EXEMPTIONS TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. TRIFLURALIN.

J K Kirk

Fed Regist 34(83):7165

01 May 1969 L1.451

Chlorinated hydrocarbons, Grapes, Herbicide residues, Hops, Tolerances, Trifluralin, Vegetables.

4300-69

INVESTIGATION TO DETERMINE THE RESPECTIVE RESIDUE AMOUNTS OF DDT AND ITS ANALOGUES IN THE MILK AND BACK FAT OF SELECTED DAIRY ANIMALS.

R J Moubry G R Myrdal W E Lyle

Pest Mont J 2(1):47-50

Jun 1968 SB951.A1P41

Dairy cattle, Dichloro-2,2-bis(p-chlorophenyl) ethylene, 1,1-, DDT, Fats, Milk, Milk analysis, Pesticide residues.

4301-69

INVESTIGATION OF THE RESIDUES OF TWO ANTIBIOTICS OF THE MACROLIDE FAMILY (OLEANDOMYCIN AND SPIRAMYCIN) IN THE TISSUES OF CHICKENS RECEIVING ANIBIOTIC FEED SUPPLEMENTS. (FR

C Pilet B Toma

Ann Natur Aliment 22(4):239-247 REF 1968 389.8 AN73

Antibiotics, Chickens, Feed additives, Liver, Oleandomycin, Residues, Spiramycin, Tissues.

DDT RESIDUES IN BEEF COWS FED APPLE POMACE.

T S Rumsey K P Bovard S M Shepherd B M **Priode**

J Anim Sci 28(3):418-424 REF Mar 1969 49 J82

Beef cattle, DDT, Feeding, Insecticide residues, Meat.

CURRENT STATUS OF METHODS FOR IDENTIFYING PESTICIDES, A SURVEY. (JPRS 32,031) TRANSL. 15608.

1 K Tsitovich

34P REF 16 Sep 1965

Methodology, Organic compounds, ganophosphorus compounds, Pesticide residues, Poisons, Quantitative analysis, Surveys. Translation from Zhurnal analiticheskoy khimii 20(7):875-888. Issued by CFSTI.

ORGANIC PHOSPHATE POISONING SHEEP IN SKULL VALLEY, UTAH.

K R Van Kampen L F James J Rasmussen R H Huffaker M O Fawcett Amer Vet Med Ass J 154(6):623-630 MAP 15 Mar 1969 41.8 AM3

Food contamination. Diagnosis, ganophosphorus compounds, Poisoning, Sheep.

Sheep which died after eating forage contaminated with an organophosphate displayed clinical signs of intoxication which include generalized neuromuscular weakness, profuse nasal discharge, frequent micturition, torticollis and scoliosis.

TOXICOLOGY

4305-69

EXPERIMENTAL STUDIES ON THE AMMONIA POISONING OF THE GOAT. I. ON THE CAPACITY TO DETOXICATE AMMONIA ENTERING THROUGH THE PORTAL BLOOD.

K Ambo A Shiga S Yamamoto F Shibata Y Watanabe Y Shoji T Tsuda M Umezu Tohoku J Agr Res 18(4):257-265 REF Dec 1967 22.5 T574

Ammonia, Blood, Goats, Mortality, Poisoning, Urea.

4306-69

COMPARATIVE TOXICOLOGY OF ORGANIC AND INORGANIC ARSENICALS IN SWINE.

W B Buck J R Duncan G Bell Amer Coll Vet Toxicol Proc 2-5 1967 391.9 AM3

Arsenic compounds, Drug therapy, Livestock diseases, Organic compounds, Swine, Toxicology.

DIGITALIN METABOLISM IN CARDIAC IN-SUFFICIENCY OF THE DOG. (FR

M Duros

Alfort Ecole Nat Vet These (60):51P REF 1968 41.2 AL23

Digitalin, Digitalis purpurea, Dogs, Dosage, Drug therapy, Heart diseases, Metabolism.

4308-69

BRITISH POISONOUS PLANTS.

A A Forsyth

Great Brit Min Agr Fish Food Bull (161):1-131 1968 10 G794B

Antidotes, Bibliography, Diagnosis, Poisonous fungi, Poisonous plants, Therapeutics, Toxicology.

A brief description of toxic plants representing 51 higher plant families and several fungal species is presented including information relevant to preventive measures, toxicology, diagnoses, and antidotes.

PROCEEDINGS OF THE AMERICAN COLLEGE OF VETERINARY TOXICOLOGISTS,

Amer Coll Vet Toxicol Proc 18P 1967 391.9 AM3

Arsenic compounds, Horses, Lungs, Organic compounds, Poisonous plants, Swine, Toxicology, Veterinary medicine.

EFFECTS OF HEPTACHLOR AND NICOTINE ON THE BARBELS OF A CATFISH (HETEROPNEUSTES FOSSILIS).

S K Konar

Progr Fish-cult 31(1):62-63

Jan 1969 157.5 P94

Animal physiology, Biochemistry, Catfish, Chlorinated hydrocarbons, Heptachlor, Insecticides, Nicotine, Toxicology.

CONTRIBUTION TO THE STUDY HYDROGEN SULFIDE POISONING DOMESTIC ANIMALS. (FR) OF

H L J Mougeot Alfort Ecole Nat Vet These (26):57P REF 1968 41.2 AL23

Dosage, Gas poisoning, Hydrogen sulfide, Livestock, Sanitation, Symptomatology, Toxicology, Ventilation.

LOCOWEED TOXICITY IN HORSES. F W Oehme W E Bailie L C Hulbert

Amer Coll Vet Toxicol Proc 14-18 1967 391.9 AM3

Astragalus, Horses, Livestock diseases, Oxytropis.

4313-69

THE INFLUENCE OF ANTIBIOTICS ON MINERAL METABOLISM. (FR)

Alfort Ecole Nat Vet These (79):44 P REF 1967 41.2 AL23

Animal nutrition, Animal physiology, Antibiotics, Dosage, Feed additives, Metabolism, Minerals.

ZINC TOXICITY AND VITAMIN D FOR CHICKS. (ABSTRACT).

S I Savage W E Nicklas E W Kienholz Poultry Sci 47(5):1716

Sep 1968 47.8 AM33P

Animal nutrition, Chicks, Dosage, Vitamin d, Zinc. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

ENVIRONMENTAL NITRATES AND ANIMAL HEALTH.

R H Singer

Southwest Vet 22(1,FALL):13-18 REF

1968 41.8 SO82

Animal metabolism, Environment, Fertilizers, Inorganic compounds, Nitrates, Poisoning.

4316-69

SOME RECENT ASPECTS OF VETERINARY TOXICOLOGY: ATTEMPTED COMPARISON WITH HUMAN TOXIOCOLOGY. (FR)

J L Terrat

Alfort Ecole Nat Vet These (57):53P REF 1968 41.2 AL23

Accidents, Diagnosis, Drugs, Humans, Narcotics, Poisoning, Toxicology, Veterinary medicine.

EVALUATION OF COTTONSEED SOAP-STOCKS IN BROILER DIETS. (ABSTRACT).

P W Waldroup V E Tollet T E Bowen E L Stephenson

Poultry Sci 47(5):1731

Sep 1968 47.8 AM33P

Animal nutrition, Chickens, Cottonseed, Diet, Gossypol. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

PLANT PHYSIOLOGY & BIOCHEMISTRY

4318-69

GIBBERELLIN-INDUCED **ASYMMETRIC** GROWTH OF APPLE FRUITS.

M J Bukovac S Nakagawa
Hortscience 3(3,AUTUMN):172-174 REF

1968 SB1.H6

Apples, Fruit culture, Gibberellins, Plant biochemistry, Plant physiology, Plant regulators, Seeds.

4319-69

HORMONAL REGULATION IN HIGHER PLANTS.

A W Calston P J Davies Science 163(3873):1288-1297 REF

21 Mar 1969 470 SCI2 Gibberellins, Plant biochemistry, Plant hormones, Plant physiology, Plant regulators.

THE INFLUENCE OF HFRBICIDES ON THE MORPHOLOGY OF CEREAL CULTURES. IN:

COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (GE)

H Domanska

91-96

1966 SB951.U8

Ametryne, Grain, Herbicides, Plant morphology, Prometryne, Simazine, Triazines. Czech and Russian summaries.

4321-69

AN UNEXPECTED EFFECT OF BENOMYL ON TWO GLADIOLUS VARIETIES.

J L Forsberg

Plant Dis Rep 53(4):318-319

Apr 1969 1.9 P69P

Benomyl, Chemical control (plant diseases), Crop varieties, Curvularia, Fungus diseases (plants), Fusarium, Gladiolus, Plant physiology. Other materials used were: Bayer 33172, Ceresan L., Memmi, Delsan A-D, and TBZ.

THE EFFECTS OF INCREASING MOLYB-DENUM RATES ON BUILDING OF DRY MATERIAL OF CLOVER. (CZ)

S Kocurik A Grejtovsky Agrochemia 7(7):206-209 REF 1967 385 AG88

Clover, Dosage, Micronutrients, Molybdenum, Plant nutrition, Rhizobium. English, German and Russian summaries.

STEROID ALKALOIDS AS COMPOUNDS PRODUCED BY POTATO TUBERS UNDER

R Locci J Kuc

Milan Univ Inst Patol Veg Pubbl Raccolta (311):1272-1273

1967 464.9 M582

Alkaloids, Chromatography, Plant biochemistry, Potatoes, Steroids, Stress.

Reprint from: Phytopathology 57(11):1272-1273 nov. 1967.

4324-69

GROWTH REGULATOR SURVEY FOR ACTIVITY IN INDUCING PARTHENOCARPY IN THE HIGHBUSH BLUEBERRY.

C M Mainland P Eck

Hortscience 3(3,AUTUMN):170-172

1968 SB1.H6

Blueberries, Plant physiology, Plant regulators, Surveys. The author reports the response of blueberries to 26 growth regulators including auxins, gibberellins, kinns, growth retardants, auxin synergists and flower thinners.

NEW ANTHERIDIOGEN FROM THE FERN ONOCLEA SENSIBILIS.

U Naf J Sullivan M Cummins

Science 163(3873):1357-1358 REF

21 Mar 1969 470 SC12

21 Mar 120. Chromatography, Onc Onoclea sensibilis, Plant Pteridium hormones,

PLANT INJURY BY AIR POLLUTANTS: IN-FLUENCE OF HUMIDITY ON STOMATAL APERTURES AND PLANT RESPONSE TO OZONE.

H W Otto R H Daines

Science 163(3872):1209-1210

14 Mar 1969 470 SCI2

Air pollution, Humidity, Kidney beans, Ozone, Plant biochemistry, Plant injuries, Tobacco.

FIELD OBSERVATIONS ON EFFECTIVENESS OF MALEIC HYDRAZIDE APPLIED TO ONIONS BY HELICOPTER.

A Pendergrass F M Isenberg Hortscience 3(3,AUTUMN):191-192 1968 SB1.H6

Aerial spraying, Helicopters, Maleic hydrazide, Methodology, Onions, Plant growth inhibitors.

CHEMICAL INJURY ON GOLDEN DELICIOUS APPLES TREATED WITH DIPHENYLAMINE.

C F Pierson H A Schomer Hortscience 3(3,AUTUMN):190

1968 SB1.H6

Apples, Diphenylamine, Plant injuries, Sympto-

4329-69

THE EFFECT OF DIFFERENT FUNGICIDES ON THE YEAST FLORA DURING THE TREATMENT OF GRAPE VINES. (CZ)

P Ragala E Minarik

Agrochemia 7(7):196-202 REF

1967 385 AG88

Captan, Chlorinated hydrocarbons, Dinocap, Fungicides, Grapes, Sulfur, Yeasts. English, German and Russian summaries.

STABILITY OF TAXONOMIC CHARACTERS IN CULTURES OF DIPLODIA AND RELATED GENERA AS INFLUENCED BY VARIOUS CAR-BON SOURCES. (ABSTRACT).

M M Satour W B Hewitt Phytopathology 57(8):828 Aug 1967 464.8 P56

Botryosphaeria, Carbon compounds, Culture media, Diplodia, Fungus diseases (plants), Physalospora, Plant nutrition, Plant taxonomy, Sphaeropsis.

REDUCTION OF PREHARVEST DROP AND WATER SPOT OF NAVEL ORANGES IN SOUTHERN CALIFORNIA.

Sunkist Pest Contr Circ (372):2

Nov 1968 423.9 C12E

D, 2,4-, Dosage, Gibberellins, Oranges, Orchards, Phenoxy acid compounds, Plant biochemistry, Spraying.

4332-69

EFFECT OF SEEDED FRUITS AND FOLIAR-APPLIED AUXIN ON SEEDLESS FRUIT SET OF PEAR THE FOLLOWING YEAR.

M N Westwood P B Lombard L D Brannock Hortscience 3(3,AUTUMN):168-169

1968 SB1.H6

Foliar application, Fruit culture, Pears, Plant regulators, Pollination, Seeds.

4333-69

CHEMICAL REGULATORS IN HORTICUL-

S H Wittwer

Hortscience 3(3, AUTUMN):163-167 REF

1968 SBI.H6

Gibberellins, Mitosis, Plant biochemistry, Plant growth inhibitors, Plant hormones, Plant physiology, Plant regulators.

CHEMISTRY

4334-69

A NEW ANTIBIOTIC PRODUCED BY A

STRAIN OF ASPERGILLUS FLAVIPES.

C G Casinovi G Grandolini R Mercantini N Oddo

Tetrahedron Lett (27):3175-3178

May 1968 385 T29

Antibiotics, Aspergillus flavipes, Bactericides, Chromatography, Fungi, Mass spectra.

PROSPHANILIC ACID DERIVATIVES. PATENT 3,442,938.

B G Christensen W J Leanza G H Rasmusson Us Patent Office Offic Gaz 862(1):244

06 May 1969 156.65 OF2

Bactericides, Coccidiosis, Drugs. Patents. Phosphonic acids.

4336-69

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J J D'Amico

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06 May 1969 156.65 OF2

Carbamates, Herbicides, Patents.

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E Grigat R Putter

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18 Feb 1969 156.65 OF2

Chemical control (weeds), Chemistry, Herbicides, Patents, Processing, Triazines.

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K L Johnson

Us Patent Office Offic Gaz 861(1):225

06 May 1969 156.65 OF2

Alcohols, Emulsifying agents, Patents, Pesticides,

4339-69

MOLECULAR ORDER OF PARTICIPATION OF INHIBITORS (OR ACTIVATORS) IN BIOLOGI-CAL SYSTEMS.

R B Loftfield E A Eigner

Science 164(3877):305-308 REF

18 Apr 1969 470 SCI2

Biochemistry, Biology, Hemoglobin, Inhibitors, Molecules, Oxygen.

PHYTOTOXIC ALPHA-HALO-ACETANILIDES. PATENT 3,442,945.

J F Olin

Us Patent Office Offic Gaz 862(1):245

06 May 1969 156.65 OF2

Haloacetanilide, alpha, Patents, Phytotoxicity.

4341-69

PESTICIDAL USES OF THIOSUBSTITUTED PHENOLS. PATENT 3,443,012.

E D Weil H L Schlichting

Us Patent Office Offic Gaz 862(1):256

06 May 1969 156.65 OF2

Chemical control (pests), Patents, Pesticides, Thiophenol.

ENGINEERING

4342-69

WHAT YOU SHOULD KNOW ABOUT CONCENTRATE SPRAYING.

Anonymous

Amer Veg Grower 17(4):14,16,52

Apr 1969 80 C733

Chemical control (pests), Dosage, Equipment, Nozzles, Pesticide application, Spraying.

THE USE OF THE PRE-EMERGENCE HERBICIDE AVADEX AND AVADEX BW IN THE BAND SPRAYING METHOD. (GE)

H Neururer

Pflanzenarzt 20(2):13-15

01 Feb 1967 464.9 P482

Chemical control (weeds), Di-allate, Herbicide application, Methodology, Spraying equipment.

INDUSTRY

EDUCATION

4344-69 THE ROLE OF SYSTEMATICS IN BIOLOGY.

E Mayr Science 159(3815):595-599

09 Feb 1969 470 SCI2 Biology, Classification, Taxonomy.

REGULATIONS

4345-69

REGULATING THE SHIPMENT OF LIVING PESTS, PATHOGENS AND VECTORS.

USDA PA- (873):5P

May 1968 1 AG84PRO

Animals, Disease control, Freight transportation, Insect pests, Insect vectors, Labeling, Plants, Quarantine, Regulations.

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R J Anderson

Fed Regist 34(73):6571

17 Apr 1969 L1.451

Agricultural legislation, Foreign trade, Nursery stock (horticulture), Plant quarantine, Plants, Regulations, Seeds.

4347-69

THE FIRST MAXIMUM DOSAGE REGULATION FOR PLANT PROTECTION PREPARATIONS IN THE FEDERAL REPUBLIC OF GER-MANY. (GE)

E Leib

Pflanzenarzt 20(7):75-77

01 Jul 1967 464.9 P482

Dosage, Food sanitation, Legislation, Pesticide residues, Pesticides, Plant protection, Public health, Tolerances.

SUBJECT INDEX

4192	Lysine levels on chick growth and nitrogen	Appetite suppression in hamsters and swine fed
Effects of calcium levels in pullet developers. (Abstract).	utilization. (Abstract). 4264	dithiocarbamoylhydrazine (ICI 33828).
The threonine requirement of the pullet and adult hen. (Abstract).	Studies on the epizootology of gastrointestinal helminths in calves. 4281	Effects of excess amino acids on growth of chick fed amino acid deficient diets. (Abstract). 424
Dietary amino acids and muscular dystrophy. (Abstract).	The influence of antibiotics on mineral metabolism. 4313	Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract).
4203	Zinc toxicity and vitamin D for chicks. (Ab-	424
Effect of ascorbic acid withdrawal on interior egg quality. (Abstract).	stract).	The influence of high level of L-phenylalanine of chicks hatched from pullets fed same level of L
Studies on the sodium requirements of chicks.	Evaluation of cottonseed soapstocks in broiler diets. (Abstract).	phenylalanine. (Abstract). 424
(Abstract).	ANIMAL PHYSIOLOGY 4317	Low lysine diets for rearing replacement pullet (Abstract).
Amino acids Versus protein in low protein cage-	Electrifying agriculture and horticulture.	(Abstract). 424
layer diets. abstract).	3921	Essential amino acid levels for starting poult (Abstract).
Amino acids and isonitrogenous turkey starter	Estrogenic activity of o,p'-DDT in the mam- malian uterus and avian oviduct.	(Abstract). 425
diets. (Abstract).	4095	Lysine levels on chick growth and nitroge
Cobalt and vitamin C for chicks. (Abstract).	Payzone nitrovin-A new growth promoter for poultry. (Abstract).	utilization. (Abstract).
The effect of added energy on induced	Influence of protamone on bone fragility of	Effects of heptachlor and nicotine on the barbe of a catfish (Heteropneustes fossilis).
Mycoplasma gallisepticum infection in broilers. (Abstract).	caged hens. (Abstract).	431
4212	The effects of a single massive dose of phenyl-	The influence of antibiotics on mineral metabo ism.
Cottonseed meal, lysine, and methionine for layers. (Abstract).	hydrazine on different hematological traits of chickens. (Abstract).	431
4219	4104	ANIMAL VECTORS Serological typing of mycobacteria for tracin
Use of chicks to measure availability of iron. (Abstract).	Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of	possible sources of avian mycobacterial infections in man.
Specificity of the chick's requirement for	chicks fed different carbohydrates. 4120	417
choline. (Abstract).	Aflatoxin studies with White Rock chickens.	The epizootiological importance of foot-and mouth disease carriers. II. The carrier status of
Influence on egg quantity and quality with	(Abstract).	cattle exposed to foot-and-mouth disease follow
sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract).	Effect of energy-protein balance, energy intake and methionine on growth and body composition	ing vaccination with an oil adjuvant inactivate virus vaccine. 419
4223	of ducklings. (Abstract).	ANIMALS
Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract).	Factors related to immunity of chickens to coc-	Harmlessness of herbicides for the biocenosis. In Collection of reports geven at the International
Lysine requirement of the growing chick. (Ab-	cidiosis. (Abstract).	Herbicide Conference, Prague, June 21-24
stract). 4233	Effect of methionine on a growth depression in- duced by supplementing a corn-soybean meal	409
Imbalanced lysine feeds for starting or growing chicks.	diet with lysine.	Dextran 6 percent W/V in saline (plasma volum expander). Drugs for veterinary use; drug efficacy study implementation.
4234	Growth depressing effect of excess leucine in	417
Effects of excess amino acids on growth of chicks fed amino acid deficient diets. (Abstract).	relation to the amino acid composition of the diet. (Abstract). 4187	Regulating the shipment of living pest- pathogens and vectors.
The influence of high level of L-phenylalanine on	Effect of phytate on the apparent calcium	434
chicks hatched from pullets fed same level of L-phenylalanine. (Abstract).	requirements of chicks. (Abstract).	ANNUAL PLANTS Weeds mean waste Know your weeds and how t
4246 Optimum destruction of rachitogenic activity of	Effects of calcium levels in pullet developers.	control them.
C-1 protein. (Abstract).	(Abstract). 4193	Effective methods for the use of herbicides i
Low lysine diets for rearing replacement pullets. (Abstract).	The threonine requirement of the pullet and adult hen. (Abstract).	combination with the mineral fertilizers. In: Co lection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.
(Abstract). 4249	Amino acids and isonitrogenous turkey starter	408
Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in	diets. (Abstract).	ANOPHELES Food sources of some mosquito species in the natural focus of Tahyna virus in souther
broilers. (Abstract).	Cobalt and vitamin C for chicks. (Abstract).	Moravia.
Essential amino acid levels for starting poults. (Abstract).	Lymphoepithelial tissues of the intestine and dif-	ANOPHELES ALBIMANUS 385
4255	ferentiation of antibody production. 4213	Comparative studies of the development of
Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-	Fumigation and reuse of broiler litter. (Ab-	Plasmodium cynomolgi bastianellii in Anophele stephensi and A. albimanus.
bred chicks.	stract).	386
Strontium metabolism in hens. (Abstract).	Effect of MGA on body weight, body fat and	ANOPHELES FREEBORNI Changes in the composition of lipids and fatt
4258 Effect of dietary linids upon the linese pan	fatty acid composition of chickens. (Abstract). 4224	acids in adult Culex tarsalis and Anophele freeborni during the overwintering period.
Effect of dietary lipids upon the lipase, pan- creatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Ab-	Lysine requirement of the growing chick. (Abstract).	387 ANOPHELES QUADRIMACULATUS
stract).	4233	Infection experiments with a fungus (Coelomo
4261 Milk fever in the dog.	Imbalanced lysine feeds for starting or growing chicks.	myces) which kills malarial mosquitoes. (abstract).

SUBJECT INDEX

Heterologous immunity in avian hosts infected with Plasmodium relictum and Plasmodium

ANTIMYCIN A
Interaction of antimycin A and rotenone in fish

lophurae.

bioassays.

Honeybees: Do they use direction and distance information provided by their dancers.

Is it possible to predict apple moth infestations

Comparative toxicology of organic and inorganic

4306

arsenicals in swine.

3809

This may be the year for spray thinning.

3868

3917

APPLES

4097

ANOPHELES STEPHENSI

ANOPHELES STEPHENSI

ANTHELMINTICS

Comparative studies of the development of Plasmodium cynomolgi bastianellii in Anopheles stephensi and A. albimanus.

An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric

tibody test for the diagnosis of intraerythrocytic parasitic infections.

4183

4277	ANTISEPTICS Disinfaction in parasitages	Supplement to the Plant Protection bulletin.
Further studies on the anthelmintic activity of 1-	Disinfection in parasitoses. 4148	3923
tetramisole against gastro-intestinal helminths in	ANTONINA BOUTELOUAE	Fruit disease problems and new approaches to
sheep.	A new species of Antonina Signoret from South	their controls.
4279	Dakota with new records for A. boutelouae Par-	3975
ANTHRACNOSE	rott (Homoptera: Coccoidea: Pseudococcidae).	A transmissible fruit-depression disease of McIn-
Supplement to the Plant Protection bulletin.	3757	tosh apples.
3923	ANTONINA DAKOTENSIS	3991
ANTIBIOTICS	A new species of Antonina Signoret from South	Tolerances and exemptions from tolerances for
Microbes and chemicals against plant pests.	Dakota with new records for A. boutelouae Par-	pesticide chemicals in or on raw agricultural
3919	rott (Homoptera: Coccoidea: Pseudococcidae).	commodities. Food additives. Phosalone.
Biochemistry of plant immunity and dormancy as	3757	4298
the foundation for the crop protection against	APATANIA	Gibberellin-induced asymmetric growth of apple
diseases and germination.	New data on the biology of caddisflies (Trichop-	fruits.
3985	tera, Limnephilidae, Apataniinae) of Lake Bai-	4318
Emtryl and antibiotics for turkey breeders. (Ab-	cal. I. Life span and mass flight of adults.	Chemical injury on Golden Delicious apples
stract).	3851	treated with diphenylamine.
4112	APERA SPICA-VENTI	4328
Influence of dietary fat, soybean meal treatment	The effectiveness of the newer herbicides for the	AQUATIC INSECTS
and antibiotic supplementation on growth of	control of weeds in cultivated plants with special	The colonization of Lake Constance with
chicks fed different carbohydrates.	attention to weeds which are difficult to control.	Chironomidae.
4120	In: Collection of reports given at the Interna-	3765
Contribution to the study of bovine mastitis due	tional Herbicide Conference, Prague, June 21-24, 1966.	Ecological and systematic investigations of the
to fungi.	4081	Chironomidae (Diptera) of Lake Constance. A
4125	APHIDIDAE	contribution to the lake chironomide fauna of
Investigation of the residues of two antibiotics of	Community studies on Hymenoptera found on	the northern foothills of the Alps.
the macrolide family (oleandomycin and spira-	Brassica napus L. Part III. Braconidae and	3766
mycin) in the tissues of chickens receiving	Aphidiidae.	On the determination of age structure of the lar-
anibiotic feed supplements.	3853	vae of Tendipedidae (Diptera).
4301	Notes on the parasites of the root aphids	3813
The influence of antibiotics on mineral metabol-	(Hymenoptera, Aphidiidae).	Occurrence of the species Trichocladius trifascia
ism.	3876	Edwards (Chironomidae, Diptera) in the
4313	Problem insects in 1967 - how to control them in	Danube.
A new antibiotic produced by a strain of Asper-	1968.	3816
gillus flavipes.	3891	New data on accumulation of \$35 and Ru106 by
4334	Insect control for garden vegetables.	dragonfly nymphs (Odonata).
ANTIBODIES	3916	3820
Hemagglutination inhibiting antibodies to ar-	Transmission of the virus component of the ragi	AQUATIC WEEDS
boviruses in the population of Hajdu-Bihar Dis-	(Eleusine coracana) disease-complex in Mysore,	Chemical weed control in irrigation channels and
trict, Hungary.	India.	drains.
4167	4028	4061
The use of serologic methods for the control of	Aphids and virus in north Canterbury wheat,	ARABIS
Mycoplasma meleagridis in turkeys. (Abstract).	1965-66 season.	Some observations on the shape and localization
4198	4040	of different viruses in experimentally infected
Lymphoepithelial tissues of the intestine and dif-	Insecticide granules and virus in autumn-sown	plants, and on the fine structure of the host cells.
ferentiation of antibody production.	wheat.	IV:ABABIS mosaic virus in Petunia hybrida
4213	4041	Hort.
ANTICOAGULANTS	The appearance of beet aphids in 1966.	3959
The relation of protein level of alfalfa meals to	4042	ARBOVIRUSES
their vitamin K activity. (Abstract).	APHIDIUS	Hemagglutination inhibiting antibodies to ar-
4130	Significance of the parasite Aphidius ervi	boviruses in the population of Hajdu-Bihar Dis-
ANTIDOTES	Haliday (Braconidae, Hymenoptera in con-	trict, Hungary.
British poisonous plants.	trolling the density of population of	4167
4308	Acyrthosiphon pisum Harris.	ARCEUTHOBIUM
ANTIGENS	3839	Susceptibility of coastal form and central Mon-
Newcastle disease virus. Characteristics of a	APHOLATE	tana Douglas-fir to Arceuthobium douglasii.
strain (2425) isolated in Cordoba, Argentina in	Effects of apholate on the bionomics of Musca	4025
1961. II. Comparative study of immunologic	domestica nebulo Fabr.	ARGAS PERSICUS
relationships and cellular affinities.	3866	Investigations on the development of Aegyp-
4116	APICULTURE	tianella pullorum Carpano, 1928, in the soft tick
Virulence, adsorbability, and antigenicity of	New ways for organizing the cooperation	Argas (Persicargas) persicus.(Oken, 1818) by
foot-and-mouth disease virus selected by adsorp-	between plant protection services and apicul-	means of fluorescent antibodies.
tion with homogenized mouse kidney.	turists.	3822
4124	3929	ARGYROGRAMMA ALBOSTRIATA
Ovine genital brucellosis. Epididmytis of the ram	APIDAE	Hereditary nature of the two forms of Argyro-
(Brucella ovis). The utilization of a new antigen	Photoperiodism in the honey bee, Apis mellifera	gramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).
for the complement fixation test and intradermal reaction.	L. (Hymenoptera, Apidae).	tuidae, Piusiinae).
reaction. 4126	3809	ARSENIC COMPOUNDS
	Some biological notes on Bombus ignitus Smith	Protection of bees through the use of insecti-
Polyvalent parainfluenza CF antigen for serodiagnosis.	with special reference to the nest structure	cides, harmless or only slightly dangerous to
serodiagnosis.	(Hym. Apidae). 3834	bees.
An improvement of the indirect fluorescent an-	APIS MELLIFERA	3803
an improvement of the munect mulescent an-	ALIG MEELIFERA	

Photoperiodism in the honey bee, Apis mellifera L. (Hymenoptera, Apidae).

4059

AVENA FATUA

4309

Now can you spot those weeds.

Proceedings of the American College of Veterinary Toxicologists, 1967.

4134

Newcastle disease virus in the avian respiratory tract. (Abstract).

	4507	4039	4134
ARTHROPODA What the practitioner should know	about	Further test of the control of Avena fatua in sugar beets.	Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infec-
arthropods.	3740	4079	tions in man.
PERIODAL INCEMINATION	00	AVIAN LYMPHOMATOSIS	
ARTIFICIAL INSEMINATION The effects of reserpine on the reproductive formula and the service of		Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Ab-	Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171
formance of breeder turkeys receiving ar insemination.		stract). 4129	Towards the eradication op bovine tuberculosis.
	4106	Studies on acute Marek's disease. 9. Resistance	4172
ASCARIASIS Toxocariasis in man and animals.		to MD by inoculation with the GA isolate.	Sulfisoxazole. Drugs for veterinary use; drug efficacy study implementation.
	4282	Egg transmission studies of Type II leukosis in-	4178
ASCARIDIA GALLI		fection (Marek's disease).	Sulfadimethoxine injectable. Drugs for veterina-
Efficacy of several drugs for control of p	oultry	4230	ry use; drug efficacy study implementation.
nematodes. (Abstract).		The levels of Type II infection (Marek's disease)	4180
	4272	in 8-week-old chickens processed at dressing	Safety and compatability of sulfadimethoxine
ASCARIS		plants. (Abstract).	potentiated mixture (Ro 5-0013), a new broad
Disinfection in parasitoses.	4148	4231	spectrum coccidiostat-antibacterial, in chickens.
F: 1 - 1 1 1 6 A - : 1 - : 1 - : 1		A study of carcasses condemned for skin leukosis. (Abstract).	(Abstract).
Fish as observed hosts of Ascaridsthe nificance in regard to man's health.	ir sig-	4284	Investigations on Coccidia in zoo ruminants.
inficance in regard to man shearth.	4275	BABESIA	4195
ASCARIS LUMBRICOIDES		An improvement of the indirect fluorescent an-	Antibacterial activity of sulfadimethoxine poten-
Toxocariasis in man and animals.		tibody test for the diagnosis of intraerythrocytic	tiated mixture (Ro 5-0013). (Abstract).
	4282	parasitic infections.	4197
ASCELEPIAS SYRIACA		4183	The effect of added energy on induced
Now can you spot those weeds.		BABY PIGS Enithelial shunges in pageing syndation	Mycoplasma gallisepticum infection in broilers.
	4059	Epithelial changes in porcine exudative epidermitis; the light-microscopical picture.	(Abstract).
ASCORBIC ACID		4208	4212
Effect of ascorbic acid withdrawal on in	iterior	BACILLUS	Field significance of Mycoplasma meleagridis in-
egg quality. (Abstract).	4204	Isolation of the tuberculosis bacillus through	fection. (Abstract).
	4204	electrophoresis in artificially contaminated milk.	Bacterial contamination and performance of
Cobalt and vitamin C for chicks. (Abstract). 4210	4288	leghorn breeders on sloping wire Versus litter
ACDADACTIC	4210	BACITRACIN METHYLENEDISALICYLIC	floors. (Abstract).
ASPARAGUS Perennial bindweeds,		ACID	4216
Terential office weeds.	4074	Notice of filing of petition for food additives.	Fumigation and reuse of broiler litter. (Ab-
ASPERGILLUS FLAVIPES		BACTERIA	stract).
A new antibiotic produced by a strain of A	Asper-	Mortality of mature beetles Ips typographus (L.)	4222
gillus flavipes.		(Col., Scolytidae) in the galleries and its causes.	Shell quality effect on Salmonella penetration. (Abstract).
	4334	3799	(Abstract).
ASPERGILLUS FLAVUS		Lysozyme in the humoral defense mechanism of	The importance of brucellosis infection in regard
Biology of the fungus Aspergillus flavus Lir its infectivity to plants and animals.	ik and	specifically and non-specifically immunized in- sect larvae.	to human health.
its infectivity to plants and animals.	3973	3856	4237
ASPIDIOTUS HEDERAE		The tobacco mosaic virus (TMV) in the nutritive	Effect of an iodophor on shelf life of poultry.
The oleander scale, Pseudaulacaspis pent	agona	solution of the tomato hydroponous culture.	(Abstract).
(Targ.), (Homoptera, Coccidae) in Bermue		4014	4238
	4043	Enumeration of bacteria on poultry carcass skin.	A contribution to the salmonellosis of cattle and
ASPIDIOTUS PERNICIOSUS		(Abstract).	its therapy.
The San Jose scale a pest of ornamental shr		4094	Determination of the virulence of the Mycobac-
ACTRACATUS	4033	Irradiation treatment on wiener sausage with	terium tuberculosis by the fluorescence method.
ASTRAGALUS		gamma-ray. 4285	4248
Locoweed toxicity in horses.	4312	BACTERIAL BLIGHT	Role of the cuticle in egg spoilage. (Abstract).
ATRAZINE	1012	Survey, screening, and breeding for bacterial	4253
Maize dwarf mosaic-Effects of virus stra	ins A	blight resistance in cotton.	Persistance of Mycoplasma meleagridis in the
and B on yield and interaction effects of at		3952	genitalia of experimentally infected turkeys.
and the virus on yield.	2054	BACTERIAL DISEASES (ANIMALS)	(Abstract). 4263
The lustine in C	3954	Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract).	Effect of spectinomycin on experimentally in-
The lasting influence of triazines and the of herbicide mixtures in the treatment of		4108	duced Arizona group infection in turkeys. (Ab-
In: Collection of reports given at the In		Comparison of attenuated live Pasteurella mul-	stract).
tional Herbicide Conference, Prague, Jur		tocida given in drinking water to an oil-base bac-	4265
24, 1966.		terin administered to turkeys. (Abstract).	Salmonella organisms in poultry feeds. (Abstract)
Distillusion	4064	4117 Even-simental control Myconleyma maleogridia	stract). 4289
Distribution, importance and problems of cide use in Yugoslavia. In: Collection of re	herbi-	Experimental control Mycoplasma meleagridis in turkeys by the temperature differential	BACTERIAL DISEASES (PLANTS)
given at the International Herbicide Confe		dipping of eggs in tylosin and spiramycin. (Ab-	The training course of the European Plant Pro-
Prague, June 21-24, 1966.	,	stract).	tection Organization in England.
	4083	4118	3914
Chemical control of weeds in the Hung	garian	Leptospirosis in Argentina. Diffusion, morbidity	Are fertilizer programs related to fireblight and
vineyards. In: collection of reports given	at the	and nosological map.	fruit disorders at harvest . 3933
International Herbicide Conference, Polyne 21-24, 1966.	rague,	Penetration and development of Eimeria maxima	
24, 1700.	4086	sporozoites and the static effect of decoquinate.	Survey, screening, and breeding for bacterial blight resistance in cotton.
ATTRACTANTS		(Abstract).	3952
Study on attractant of the rice stem borer,	Chilo	4128	Fruit disease problems and new approaches to
suppressalis Walker.		The interaction of a nonpathogenic Mycoplasma	their controls.
	3835	sp. (TU) with Mycoplasma gallisepticum, and	3975

SUBJECT INDEX

BACTERICIDES

Contribution to the study of oligosporic Actinomycetes. I. Description of a new species of Ac-	sistance. I. Spreading of pathogene in host plant tissue.	Resistance to benomyl in powdery mildew of cu- curbits.
tinobifida: Actinobifida alba sp. nov. and revi-	3978	4003
sion of the genus.	O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for	An unexpected effect of benomyl on two gladio- lus varieties.
Aglaonema pictum, a new host of Erwinia	pesticide chemical.	4321
chrysanthemi.	4294	BENSULIDE
3982 Studies on crown gall bacteria, Agrobacterium	Studies of neotropical caddis flies. VIII: The im-	Chemical control of annual bluegrass as related to vertical mowing.
tumefaciens Conn II. Electron microscopic ob-	mature stages of Barypenthus claudens	4091
servation on the fine structure in dividing and	(Trichoptera: Odontoceridae).	BIBIONIDAE
non-dividing phases.	BEANS	A new species of Penthetria from Japan (Dip-
Fungal and bacterial diseases of crucifers and cu-	Changes in insecticide sensitivity in the bean	tera, Bibionidae).
curbits in western Ontario in 1967.	weevil Acanthoscelides obtectus Say, brought	BIBLIOGRAPHY
3996	about by induced pigment formation.	British poisonous plants.
Detectable levels of Xanthomonas malvacearu in	3867	4308
cotton gin debris with the seed-soak method.	Supplement to the Plant Protection bulletin.	BIOCENOSIS
4002	3923	Harmlessness of herbicides for the biocenosis. In:
Comparative interactions of Erwinia carotovora	Stem and root diseases of beans. 3941	Collection of reports geven at the International
and Erwinia amylovora with pear and potato tis-		Herbicide Conference, Prague, June 21-24,
sues. 4008	Plant pathology field day.	1966. 4090
Wild species as a source of resistance to diseases.	Identification of races of Pseudomonas phaseol-	BIOCHEMISTRY
4016	icola from Quebec bean fields.	Juvenile hormone: Activity of aromatic terpe-
Identification of races of Pseudomonas phaseol-	4022	noid ethers.
icola from Quebec bean fields.	Corn earworm threatens snapbeans.	3805
4022	4031	Insect control for garden vegetables.
Why is the disinfection treatment of corn seeds	BEDDING (LIVESTOCK)	3916
absolutely necessary.	Observations on the effect of the re-use of broiler	Contribution to the study of oligosporic Actino-
4030	litter on the incidence of Marek's disease. (Abstract).	mycetes. I. Description of a new species of Ac-
BACTERICIDES	4129	tinobifida: Actinobifida alba sp. nov. and revision of the genus.
Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized in-	Bacterial contamination and performance of	3980
specifically and non-specifically immunized in- sect larvae.	leghorn breeders on sloping wire Versus litter	Estrogenic activity of o,p'-DDT in the mam-
3856	floors. (Abstract).	malian uterus and avian oviduct.
Safety and compatability of sulfadimethoxine	4216	4095
potentiated mixture (Ro 5-0013), a new broad	Fumigation and reuse of broiler litter. (Ab-	Interaction of antimycin A and rotenone in fish
spectrum coccidiostat-antibacterial, in chickens.	stract).	bioassays.
(Abstract).	BEEF CATTLE	4097
4185	Food additives permitted in feed and drinking	Influence of various chelating agents on absorp-
Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract).	water of animals or for the treatment of food-	tion of 60Co, 59Fe, 54Mn, and 65Zn by chickens.
4197	producing animals. Coumaphos.	4105
A new antibiotic produced by a strain of Asper-	4274	Biochemical research on hog cholera. Behavior
gillus flavipes.	DDT residues in beef cows fed apple pomace.	of some enzymatic activities in the serum.
4334	4302	4132
Prosphanilic acid derivatives. Patent 3,442,938.	Protection of bees through the use of insecti-	Purification, ultrastructure, and composition of
4335	cides, harmless or only slightly dangerous to	axial filaments from Leptospira.
BACTERINS	bees.	4188
Comparison of attenuated live Pasteurella mul-	3803	Contribution to the study of the treatment of bovine ketosis.
tocida given in drinking water to an oil-base bacterin administered to turkeys. (Abstract).	BEETS	4200
4117	The appearance of beet aphids in 1966.	Oxidation of D-malic and beta-alkylmalic acids
BACTERIOLOGY	4042	by wild-type and mutant strains of Salmonella ty-
Studies on crown gall bacteria, Agrobacterium	Damages done to beet seeds by the forest mouse (Apodemus sylvaticus).	phimurium and by Aerobacter aerogenes.
tumefaciens Conn II. Electron microscopic ob-	4092	4240
servation on the fine structure in dividing and	BELOSTOMATIDAE	Strontium metabolism in hens. (Abstract).
non-dividing phases.	Temperature and circadian control of cuticle	4258
Comparative interactions of Erwinia carotovora	growth on the bug, Oncopeltus fasciatus.	Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride
and Erwinia amylovora with pear and potato tis-	3814	and total plasma lipids level in the chick. (Ab-
sues.	BEMBECIA PECTINATA Bembecia pectinata Stgr. and its first stages.	stract).
4008	(Lepidoptera, Sesiidae).	4261
Towards the eradication op bovine tuberculosis.	3873	Effects of heptachlor and nicotine on the barbels
, 4172	BENEFICIAL BIRDS	of a catfish (Heteropneustes fossilis).
Symposium on Brucellosis in Ireland. I. Brucello-	On the value of our birds.	
sis: Bacteriology and epidemiology. II. Brucello- sis: Serological diagnosis. III. Vaccines and bru-	3927	Molecular order of participation of inhibitors (or activators) in biological systems.
cellosis.	BENEFICIAL INSECTS	4339
4260	Protection of bees through the use of insecticides, harmless or only slightly dangerous to	BIOLOGICAL ASSAY
BALANSIA ORYZAE	bees.	Studies on sex pheromones of Pyralididae.
Occurrence of Ephelis on rice variety IR-8 and	3803	Changes in the quality of the sex pheromone in
cotton grass in India.	New ways for organizing the cooperation	the female almond moth, Cadra cautella Walker
PANANAS	between plant protection services and apicul-	(Phycitinae).
BANANAS Nematodes associated with bananas in the Wind-	turists.	A note on the nematicidal properties of 'Sevin'.
ward Islands.	BENEFIN	4051
4048	Controlling weeds in tobacco with benefin.	Interaction of antimycin A and rotenone in fish
BARLEY	4065	bioassays.
Virulence of various groups of loose smut of bar-	BENOMYL	4097
ley, (Ustilago nuda (Jens.) Rostr.) physiological	Chemical control of stripe smut in Merion Ken-	Lysine requirement of the growing chick. (Ab-
races in the light of anatomical investigations of spring barley varieties different with regard to re-	tucky bluegrass. 3964	stract).
opring oursey varieties unicient with regard to le-	3904	4233

The effect of various biogenic amines on the ac-

tivity of the foregut of the cockroach, Blaberus

3828

The forage plants of Rhagades pruni Schiff.

BLABERUS GIGANTEUS

giganteus.

BLACKBERRIES

BLACKGRASS

BIOLOGICAL CONTROL (INSECTS)

(Cercopidae: Hemiptera).

Studies on the life history and biological control

of the spittlebug, Clastoptera undulata Uhler

myces) which kills malarial mosquitoes. (abstract). Infection experiments with a fungus (Coelomo-

3882

Effect of gamma-irradiation of late embryo on

the growth of silkglands and on silk production in

Effect of rearing condition on growth and development of the silkworm, Bombyx mori L., on artificial diet. II.

the silkworm, Bombyx mori.

BONE DISEASES

BROWN ROT

their controls.

BRUCELLA ABORTUS

Fruit disease problems and new approaches to

Lymphoepithelial tissues of the intestine and dif-

Brown rot control in Southern California.

ferentiation of antibody production.

3975

4015

4213

No. 1 C. C. Language appropriate to the company of	A transport of the state of the	The pathology of avian osteodystrophy. (Ab-
Natural enemies of Laspeyresia pomonella L.	Autumn weed control for continuous cereal	
(Lepidoptera, Tortricidae) and the effect of	growers.	stract).
chemical treatment on their useful activity.	4069	4136
3819	BLACKHEAD	BONES
The use of attractants in pest control. 2. Sex at-	Therapeutic efficacy of ronidazole in water	Influence of protamone on bone fragility of
tractants.	against histomoniasis and effect of continuous	caged hens. (Abstract).
3848	feed levels on growth in turkeys. (Abstract).	4103
Effects of apholate on the bionomics of Musca	4245	BOTRYOSPHAERIA
domestica nebulo Fabr.	BLATTELLA GERMANICA	Stability of taxonomic characters in cultures of
3866	Notes on the chromosomes of two species of	Diplodia and related genera as influenced by
	cockroaches.	
The present state of research and of the control	3904	various carbon sources. (Abstract).
of rice pests.		
3924	BLATTIDAE	BOTRYTIS CINEREA
The oleander scale, Pseudaulacaspis pentagona	Notes on the chromosomes of two species of	Possibilities for Botrytis cinerea control, espe-
(Targ.), (Homoptera, Coccidae) in Bermuda.	cockroaches.	cially in tomatoes.
4043	3904	4019
BIOLOGICAL CONTROL (PESTS)	BLIGHT	The rate of contamination in relation to the per-
	Pseudomonas syringae infection of sweet cherry	centage of infection in the parasitic diseases of
Microbes and chemicals against plant pests.	fruit in Utah.	plants.
3919	3934	4029
Philippine field rats and their control.		
4093	A flower blight of chrysanthemum in South	BOUTELOUA GRACILIS
BIOLOGICAL TRANSPORT	Florida.	A new species of Antonina Signoret from South
Salt and water transport by the in vitro	3955	Dakota with new records for A. boutelouae Par-
	BLOOD	rott (Homoptera: Coccoidea: Pseudococcidae).
cockroach midgut.	The effect of the amount of blood taken and ad-	3757
	ditional carbohydrate nutrition on oogenesis in	BOUTELOUA HIRSUTA
BIOLOGY	females of blood-sucking mosquitoes of the	A new species of Antonina Signoret from South
Biology of the fungus Aspergillus flavus Link and	genus Aedes (Diptera, Culicidae) of various	Dakota with new records for A. boutelouae Par-
its infectivity to plants and animals.	weights and ages.	rott (Homoptera: Coccoidea: Pseudococcidae).
3973	3886	3757
Molecular order of participation of inhibitors (or	Experimental studies on the ammonia poisoning	
activators) in biological systems.		BRACHIARIA PIGLIGERA
4339	of the goat. I. On the capacity to detoxicate am-	Controlling weeds in tobacco with benefin.
	monia entering through the portal blood.	4065
The role of systematics in biology.		BRACONIDAE
4344	BLOOD CELLS	On the status of Cresson's Stenophasmus species
BIOMETRY	Phagocytic haemocytes in unfixed Galleria mel-	from Cuba (Hymenoptera: Braconidae: Doryc-
The natural occurrence of surra in the African	Ionella larvae.	tinae).
longhaired fox.	3890	3759
4236	BLOOD MEAL	Community studies on Hymenoptera found on
BIOTIN	The amino acid deficiencies of blood meal for	Brassica napus L. Part III. Braconidae and
	the chick.	Aphidiidae.
Relationship of biotin to leg weakness in turkeys.	4149	3853
(Abstract). '	BLOOD PLASMA	
4161		Notes on the parasites of the root aphids
BIRD PESTS	C -type viral particles in plasma of cats with	(Hymenoptera, Aphidiidae).
The present state of research and of the control	feline leukemia.	3876
of rice pests.	4164	BRAIN
3924	Dextran 6 percent W/V in saline (plasma volume	Size independent secretion by the corpus allatum
On the value of our birds.	expander). Drugs for veterinary use; drug effica-	of Calliphora erythrocephala.
3927	cy study implementation.	3843
	4177	
BIRDS	BLOOD PROTEINS	The hyperglycaemic activity of the corpus al-
Contributions to the knowledge of Analgesoidea	The conjugated plasma proteins in adult females	latum in an insect.
of Czechoslovakia.		
	of Periplaneta americana (1) under starvation	
3743	of Periplaneta americana (L.) under starvation	Spontaneous tumors of the brain in rats: A report
3743	of Periplaneta americana (L.) under starvation and other stress.	Spontaneous tumors of the brain in rats: A report of 3 cases.
Studies on the insect fauna on Scotch broom	of Periplaneta americana (L.) under starvation and other stress. 3788	Spontaneous tumors of the brain in rats: A report
3743 Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer.	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer.	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING
3743 Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mam-	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.).	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct.	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera:
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804 BLUEBERRIES	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae).
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095 Evaluation of various bird-resistant and non-re-	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804 BLUEBERRIES The forage plants of Rhagades pruni Schiff.	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae). 3888
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095 Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804 BLUEBERRIES	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae). 3888 BROADBEANS
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095 Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets.	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804 BLUEBERRIES The forage plants of Rhagades pruni Schiff.	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae). 3888 BROADBEANS Broad-bean stain and true broad-bean mosaic
Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784 Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095 Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in	of Periplaneta americana (L.) under starvation and other stress. 3788 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804 BLUEBERRIES The forage plants of Rhagades pruni Schiff.	Spontaneous tumors of the brain in rats: A report of 3 cases. 4121 BREEDING Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae). 3888 BROADBEANS

Some biological notes on Bombus ignitus Smith with special reference to the nest structure (Hym. Apidae).

Structure and development of the imaginal wing discs of larva in a holometabolous insect, Bombyx mori (Lepidoptera, Bombycidae).

4217

3836

A contribution to the prophylactic use of Gam-

Effects of long-term cardiatectomy-allatectomy

on mitochondrial respiration in the cockroach, Blaberus discoidalis.

matonin in calves.

BLABERUS DISCOIDALIS

BOMBUS IGNITUS

BOMBYX MORI

BRUCELLA MELITENSIS

The importance of brucellosis infection in regard to human health.	The in vitro establishment of pith calluses and nodal tumors of Brassica oleracea.	CANDIDA Contribution to the study of bovine mastitis due to fungi.
BRUCELLA MELITENSIS The importance of brucellosis infection in regard to human health. 4237	The effectiveness of the newer herbicides for the control of weeds in cultivated plants with special attention to weeds which are difficult to control. In: Collection of reports given at the Interna-	CANKER Pseudomonas syringae infection of sweet cherry
BRUCELLA OVIS Ovine genital brucellosis. Epididmytis of the ram (Brucella ovis). The utilization of a new antigen	tional Herbicide Conference, Prague, June 21-24, 1966.	fruit in Utah. 3934 Discovery and distribution of Fusicoccum canker of Russian olive in Illinois.
for the complement fixation test and intradermal reaction. 4126	CACODYLIC ACID Defoliation effects on forest ecology. 4080	3950 Live oak in Mississippi infected by Endothia parasitica.
BRUCELLA SUIS The importance of brucellosis infection in regard to human health.	CADRA CAUTELLA Studies on sex pheromones of Pyralididae. Changes in the quality of the sex pheromone in	CAPILLARIA OBSIGNATA
BRUCELLOSIS Ovine genital brucellosis. Epididmytis of the ram	the female almond moth, Cadra cautella Walker (Phycitinae).	Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
(Brucella ovis). The utilization of a new antigen for the complement fixation test and intradermal reaction.	Studies on sex pheromones of pyralididae. Il. Mass rearing of virgin females of the almond moth, Cadra cautella Walker (Phycitinae).	CAPTAN Fungus diseases of cotton seedlings in Egypt. 3972
A survey of Brucella infection of cattle in Kenya. A comparison of four serological tests for the	CALCIUM Factors affecting the oxidation of glycerol-1-	The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329
diagnosis of infection. 4202 The importance of brucellosis infection in regard	phosphate by insect flight-muscle mitochondria. 3815	CARABIDAE The larva of Carabus (Hygrocarabus Thoms.) variolosus variolosus Fabr. and its position in the
to human health. 4237 Symposium on Brucellosis in Ireland. I. Brucello-	Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933	larval system of genus Carabus L. (Coleoptera, carabidae).
sis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis.	Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974	Remarks on fluctuations in density of Carabidae populations. 3824
BRUCHIDAE A new species on neotropical seed weevil affect-	Effect of phytate on the apparent calcium requirements of chicks. (Abstract).	Description of the larva of Parena (Parena) per- forata (Bates), with some notes on its life history (Carabidae).
ing pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae). 3756	Effects of calcium levels in pullet developers. (Abstract).	3825 CARABUNIA MYERSI Studies on the life history and biological control
Distribution of seed beetles (Coleoptera, Bruchidae) in the forest-steppe zone of the Eastern Ukraine.	CALCIUM CHLORIDE Milk fever in the dog. 4262	of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera). 3802
BRUCHUS RUFIMANUS Studies on the adult diapause of the broad bean weevil, Bruchus rufimanus.	CALCIUM GLUCONATE Milk fever in the dog. 4262	CARABUS The larva of Carabus (Hygrocarabus Thoms.) variolosus variolosus Fabr. and its position in the larval system of genus Carabus L. (Coleoptera,
BRUSH CONTROL Brush control through shredding. 4077	CALCIUM OXALATE Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, Malacosoma neustria testacea.	carabidae). 3753 CARBAMATES
Spraying post oak brush pays dividends.	CALLIPHORA Fundamental properties of intensity, form, and	Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees.
Herbicides in the perspectives of 20 months and 20 years.	motion perception in the visual nervous systems of Calliphora, phaenicia and Musca domestica. 3849	3803 A flower blight of chrysanthemum in South Florida.
BUFFALOES A study of oesophagostomiasis, encountered in young buffaloes of Casertano. 4269	CALLIPHORA VICINA Size independent secretion by the corpus allatum of Calliphora erythrocephala.	3955 Corn earworm threatens snapbeans. 4031
BUGGY WHIP Buggy-whip of corn and its relation to the in-	3843 CALLIRHYTIS QUERCUSSUTTONII The alternate generation of Callirhytis quercus-	A note on the nematicidal properties of 'Sevin'. 4051 New herbicides for controlling weeds in upland
cidence of common smut. 4017 BUQUINOLATE	suttonii (Bassett) (Hymenoptera: Cynipoidea). 4038 CALVES	rice. 4076
Food additives permitted in the feed and drink- ing water of animals or for the treatment of food- producing animals. Food additives permitted in food for human consumption. Buquinolate.	Adipose tissue in calves and lambs. 4107 Calf fattening trials with oral administration of	Some remarks on plant protection preparation- tolerances. 4292 Halobenzyl carbamates. Patent 3,442,892.
4098 Buquinolate-A review. 4218	abdelin acid, aureomycin and chloramphenicol, under controlled environmental conditions. 4146	4336 CARBARYL Protection of bees through the use of insecti-
Food additives permitted in feed and drinking water of animals or for the treatment of food producing animals. Food additives permitted in	A contribution to the prophylactic use of Gammatonin in calves. 4209	cides, harmless or only slightly dangerous to bees.
food for human consumption. Buquinolate. 4297 BUTTERFLIES	Studies on the epizootology of gastrointestinal helminths in calves. 4281	Insect control for garden vegetables. 3916
Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski.	CAMELS The natural occurrence of surra in the African longhaired fox.	Corn earworm threatens snapbeans. 4031 A note on the nematicidal properties of 'Sevin'.
CARRACE	4236	4051

4236

4242

Some remarks on plant protection preparation-tolerances.

4292

3996

CABBAGE
Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967.

Avian virus-induced tumors.

CANCER

CARBOHYDRATES	Notice
The effect of the amount of blood taken and additional carbohydrate nutrition on oogenesis in	nel.
females of blood-sucking mosquitoes of the genus Aedes (Diptera, Culicidae) of various weights and ages.	Enterot perfring
3886	Tests o
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight.	cows in
3892	tradern
Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of	
chicks fed different carbohydrates.	Contrib to fungi
ARBON COMPOUNDS	
Stability of taxonomic characters in cultures of Diplodia and related genera as influenced by various carbon sources. (Abstract).	Hygiene gion of
4330	Notice
ARBON DISULFIDE	diethyls
Disinfection in parasitoses. 4148	Allergy
ARBON ISOTOPES	of bovir
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight.	Kale a
3892	literatu
ARBOXYLESTERASE Two types of carboxyesterase degrading	anaemi
malathion in resistant houseflies and their inhibi-	Toward
tion by synergists.	Embeur
ARCASSES	Embryo veterina
Effect of an iodophor on shelf life of poultry. (Abstract).	tion.
4238 A study of carcasses condemned for skin leuko-	Sodium drug eft
sis. (Abstract).	
ARPOCAPSA POMONELLA	Ovariar Gestafo
Natural enemies of Laspeyresia pomonella L.	000000
(Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity.	The ep
3819	mouth cattle e
Is it possible to predict apple moth infestations. 3868	ing vac
Supplement to the Plant Protection bulletin. 3923	The my
ASTORBEANS	•,
Resistance of dwarf-internode castor (Ricinus communis) to Verticillium wilt.	Contrib bovine
3946	
ATALOGS To the fauna of ixodid ticks of Mongolia.	A surve
3744	diagnos
Catalog of the Coleoptera of Angola. 3747	Observa
The entomology of the Isle of Rhum National	Haemo
Nature Reserve. 3775	The ani
Mallophaga of domestic chickens from Cuba.	THE airi
4268	A contr
ATERPILLARS The forage plants of Rhagades pruni Schiff.	its thera
3828	Investig
ATFISH Effects of heptachlor and nicotine on the barbels	kosis in
of a catfish (Heteropneustes fossilis).	Oldenb
4310	Deiof

-	nel.
: :	Enterotoxa perfringens
f !	Tests on la cows in ord ruato cup tradermal
t f	Contribution to fungi.
f '	Hygiene ar
)	Notice of diethylstilb
3	Allergy tes of bovine t
f !	Kale anae literature anaemia in
g -	Towards th
	Embryosta veterinary tion.
3	Sodium pi drug effica
1	Ovarian c Gestafortir
f	The epizo mouth dise cattle expo
3	ing vaccing virus vacci
3	The mycot
5	Contribution bovine ket
ļ	A survey o A compar- diagnosis o
, I	Observatio Haemophil
;	The anima
3	A contribu
3	Investigation kosis in the city of Deli Oldenburg
)	Brief com thelaciaepa cattle in the
f	CAULIFLOV
	CHODIFLO

A case of bilateral polycystic kidneys in a cat.

4137 A meningioma in a cat associated with erosion of 4154

C -type viral particles in plasma of cats with feline leukemia 4164

Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation.

Insects and mites of livestock and in farm buildings. 3792 of filing of petition for food additive ron-4096

emia of calves evoked by Clostridium type B. 4114

aboratory animals and on tubercular der to determine the value of the morric colloidal (gadusan) in the in-

on to the study of bovine mastitis due 4125

d animal diseases in Deux-Sevres (reılonges-sur-l'Autize).

filing of petition for food additive estrol.

ts and false reactions in the prevention uberculosis. 4150

mia in ruminants. I. Survey of the and experimental induction of kale lactating cows.

e eradication op bovine tuberculosis. 4172

t (oxytetracycline powder). Drugs for use, drug efficacy study implementa-

opionate. Drugs for veterinary use; cy study implementation. 4175

ysts in cattle and its therapy with and prolan preparations.

ootiological importance of foot-and-ease carriers. II. The carrier status of sed to foot-and-mouth disease followation with an oil adjuvant inactivated

ic abortions in the cow. 4194

on to the study of the treatment of

f Brucella infection of cattle in Kenya. son of four serological tests for the f infection.

ns on septicemia of cattle caused by a us-like organism. 4211

adenoviruses 4217

tion to the salmonellosis of cattle and 4243

ons on the occurrence of bovine leue county of Oldenburg, including the nenhorst and the metropolitan area of

munication on the occurance of thogens of an enzootic eye disease in e German Democratic Republic.

Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967. 3996

CECIDOMYIIDAE A new genus and two new species of Cecidoassociated with Pariana mviidae (Gramineae) in South America (Diptera).

Studies on crown gall bacteria, Agrobacterium tumefaciens Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases. 3990

CELL NUCLEUS

Studies on crown gall bacteria, Agrobacterium tumefaciens Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases.

CELL WALL

Light and electron microscope investigations on the formation of the oocyst wall in Eimeria species (Eimeria perforans, E. stiedae, and E. tenel-

CELLS

Changes in soluble proteins during foot-pad development in Sarcophaga bullata. 3821

Control systems in insect development. (ab-

Electron microscopy as an aid to the rapid identification of animal viruses.

4239

CENTRAL NERVOUS SYSTEM

Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in the University of Cambridge.

Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271

CEPHALOSPORIUM

4186

4191

Hybrid corn yield reduction by stalk and root rot in Nebraska. 4027

CERATOCYSTIS ULMI

Dutch elm disease detected in Alabama.

3947 Low temperature sprays for Dutch elm disease control.

CERATOPOGONIDAE

Biting midges of the genus Culicoides Mg. (Diptera, Ceratopogonidae) from the Valley of the Middle Reaches of the Desna. 3874

3957

CERCOPIDAE

Studies on the life history and biological control of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera).

CEROPLASTES JAPONICUS

Microterys clauseni Compere (Hym.: Encyr-3796

CEROPLASTES PSEUDOCERIFERUS

Microterys clauseni Compere (Hym.: Encyrtidae). 3796

CHALCIDO, YEA

New Perilampidae (Hymenoptera: Chalcidoidea). 3742

CHAULIODONTOMYIA EGREGIA

A new genus and two new species of Cecidomyiidae associated with Pariana spp. (Gramineae) in South America (Diptera). 3749

CHAULIODONTOMYIA PARIANAE

A new genus and two new species of Cecido-myiidae associated with Pariana spp. spp. (Gramineae) in South America (Diptera). 3749

Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by 4105

Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190

CHEMICAL CONTROL (ANIMAL DISEASES)

CHEMICAL CONTROL (ANIMAL DISEASES) Fumigation and reuse of broiler litter. (A		24, 1966.
stract).	Plant protection. Bulletin of the plant disea	se Controlling weeds in tobacco with benefin.
CHEMICAL CONTROL (INSECTS) Studies on the increment of the efficacy of inse	control station of Geneva. August.	Weed control in fruits and nuts.
ticides (IX). On the synergistic action pyrethrosin with pyrethroid.	control station of Geneva Sentember	se 407
Controlling insects and other pests wi	39.	Weed control in vegetables. 407
phosphonothioates. Patent 3,428,655.	396	bottle).
The toxic action of a mixture of gamma-BH and EDB to Cryphalus fulvus Niijima. Studies of	in and Bon yield and interaction effects of atrazi	
the control of forest pests. V.	and the virus on yield.	54 407
Effects of apholate on the bionomics of Musc	A flower blight of chrysonthamum in Sou	th Perennial bindweeds.
domestica nebulo Fabr.	39:	65 Chemical weed control in potato (Solanum tu berosum L.). A review.
Mexican fruit containment.	Diseases and parasites of the rose. 39:	56 407
Problem insects in 1967 - how to control them 1968.	Low temperature sprays for Dutch elm disea control.	rice.
389	Prevention of the spread of non-persistent pla	Eurther text of the central of Avena fatus i
Disease and insect control in home orchards. 398	ulaura a ku allamarada a	sugar beets.
Corn earworm threatens snapbeans.	Chemical control of stripe smut in Merion Ke	D-6-11-41
The peach twig borer and its control.	tucky bluegrass.	
The San Jose scale a pest of ornamental shrubs.	Fungicides for Arabica coffee 17relationshi	ps control of weeds in cultivated plants with special attention to weeds which are difficult to control
Bloodwormspests of rice.	vastatrix), leaf fall and yield.	In: Collection of reports given at the Interna
403 The alternate generation of Callirhytis quercu	Fungus diseases of cotton seedlings in Egypt.	24, 1966.
suttonii (Bassett)(Hymenoptera: Cynipoidea).	Disease and insect control in home orchards.	Distribution, importance and problems of herbi
Raspberry moth.	New chemicals look good for weed control	given at the International Herbicide Conference
403 Some important aspects of cotton insect contro	Michigan orchards.	408.
404 CHEMICAL CONTROL (NEMATODES)	Resistance to benomyl in powdery mildew of c curbits.	combination with the mineral fertilizers. In. con
Virus diseases and the selection of grapes.	400	bicide Conference, Frague, June 21-24, 1900.
A note on the nematicidal properties of 'Sevin'.	Field evaluation of some fungicides for control leaf and stem rusts of wheat.	Chemical control of weeds in the Hungaria
Nematodes are destructive to your plants.	Plant protection Bulletin of the Plant Disea	vineyards. In: collection of reports given at th
Control of the citrus nematode, Tylenchul	station of Geneva. March.	June 21-24, 1966.
semipenetrans, with 1,2-dibromo- chloropropane in Taiwan.	Station of Geneva June	Chemical weed control in sunflower cultures. In Collection of reports given at the International
Further studies on the anthelmintic activity of	40	Herbicide Conference, Prague, June 21-24
tetramisole against gastro-intestinal helminths sheep.	Station of Geneva. October.	408
CHEMICAL CONTROL (PESTS)	Plant protection. Bulletin of the Plant Disea	se vegetable growing.
Controlling household pests.	Station of Geneva. April.	4080 Herbicides in the perspectives of 20 months and
Insects and mites of livestock and in far	Brown rot control in Southern California	20 years.
buildings.	Tests on dry fumigation of potato seedlin	gs Chemical control of annual bluegrass as related
Insect control for garden vegetables. 391	against Rhizoctonia disease. 6 402	
Microbes and chemicals against plant pests.	Experiences with residue research in lettuce. 9 429	
The present state of research and of the contr of rice pests.	An unexpected effect of benomyl on two gladi lus varieties.	The use of the pre-emergence herbicide Avade:
. 392	CHEMICAL CONTROL (WEEDS)	and Avadex BW in the band spraying method. 434
Damages done to beet seeds by the forest mous (Apodemus sylvaticus).	Further research on the control of Echinochle	Da CHEMICALS Natural enemies of Laspeyresia pomonella L
Philippine field rats and their control.	400	(Lepidoptera, Tortricidae) and the effect o
409 Pesticidal uses of thiosubstituted phenols. Pater	draine	3819
3,443,012. 43 4	1 Defoliation effects on forest ecology.	suppressalis Walker.
What you should know about concentrate spraing.	The development of chemical weed control	in New chemicals look good for weed control in
434 CHEMICAL CONTROL (PLANT DISEASES)	2 ornamental plants in fields. 400	Michigan orchards. 3994
The importance of applied entomology for Au trian plant protection.	The lasting influence of triazines and the effe of herbicide mixtures in the treatment of cor	n. products.
392		

4257

CHEMISTRY Controlling insects and other pests with phosphonothioates. Patent 3,428,655.	Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets. 4139	Heterologous immunity in avian hosts infected with Plasmodium relictum and Plasmodium lophurae. 4232
Process for the production of substituted triazines. Patent 3,428,636.	Notice of filing of petition for food additives.	Avian virus-induced tumors. 4242
CHEMORECEPTORS Specificity of population-aggregating	Dietary magnesium requirement of the laying hen. (Abstract).	The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract).
pheromones in Dendroctonus.	Sulfur amino acid requirement of laying hens.	4246
CHEMOSTERILANTS 3863	(Abstract). 4156	Optimum destruction of rachitogenic activity of C-1 protein. (Abstract).
Effects of apholate on the bionomics of Musca	Activity of decoquinate against field strains of	4247
domestica nebulo Fabr.	chicken coccidia. (Abstract).	Low lysine diets for rearing replacement pullets. (Abstract).
CHERRIES	Pathogenesis of infectious synovitis in	4249
Fruit disease problems and new approaches to their controls.	gnotobiotic chickens. (Abstract).	Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in
CHICK EMBRYOS	Effect of nitrofurazone and furazolidone on	broilers. (Abstract).
Newcastle disease virus. Characteristics of a	reproduction in chickens.	Essential amino acid levels for starting poults.
strain (2425) isolated in Cordoba, Argentina in	Nicarbazin. Drugs for veterinary use; drug effica-	(Abstract).
1961. II. Comparative study of immunologic relationships and cellular affinities.	cy study implementation.	4255 Hematology of an inherited anemia in the
4116		domestic fowl.
Investigation of some enzymatic activities (GOT,	Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad	4256
GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or	spectrum coccidiostat-antibacterial, in chickens. (Abstract).	Strontium metabolism in hens. (Abstract). 4258
those infected with newcastle disease virus.	4185	Mallophaga of domestic chickens from Cuba.
	Growth depressing effect of excess leucine in	4268
Egg transmission studies of Type II leukosis infection (Marek's disease).	relation to the amino acid composition of the	Food additives permitted in feed and drinking
4230	diet. (Abstract).	water of animals or for the treatment of food
CHICKEN TYPES (MEAT)		producing animals. Food additives permitted in
Reduction of shelf-life of fresh fryers due to in-	The linoleic acid requirement of the hen for reproduction. (Abstract).	food for human consumption. Buquinolate.
fection with Escherichia coli prior to processing.	4192	4297
4287	Effects of calcium levels in pullet developers.	Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spira-
CHICKENS	(Abstract).	mycin) in the tissues of chickens receiving
Food additives permitted in the feed and drinking water of animals or for the treatment of food-	4193	anibiotic feed supplements.
producing animals. Food additives permitted in	Anticoccidial activity of sulfadimethoxine poten-	4301
food for human consumption. Buquinolate.	tiated mixture (Ro 5-0013) in chickens.	Evaluation of cottonseed soapstocks in broiler
4098		diets. (Abstract).
The influence of feed and water restriction and	The threonine requirement of the pullet and adult hen. (Abstract).	CHICKS
pitressin administration upon thyroxine secretion in domestic fowl.	4199	Intestinal histology of vitamin A deficient chicks. (Abstract).
A100	Dietary amino acids and muscular dystrophy. (Abstract).	(Abstract).
Payzone nitrovin-A new growth promoter for poultry. (Abstract).	4203	Influence of dietary fat, soybean meal treatment
4101	Effect of ascorbic acid withdrawal on interior	and antibiotic supplementation on growth of
Influence of protamone on bone fragility of	egg quality. (Abstract).	chicks fed different carbohydrates.
caged hens. (Abstract).	4204	4120
4103	Studies on the sodium requirements of chicks.	The amino acid deficiencies of blood meal for the chick.
The effects of a single massive dose of phenyl-	(Abstract).	
hydrazine on different hematological traits of	4205	
chickens (Abstract)	4205 Amino acids Versus protein in low protein cage.	4149
chickens. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract).	The efficacy of trans and cis vitamin A. (Abstract).
	Amino acids Versus protein in low protein cage-	The efficacy of trans and cis vitamin A. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract).	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers.	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron.
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis in-	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract).	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract).	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in	Amino acids Versus protein in low protein cage-layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Ab-
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract).	Amino acids Versus protein in low protein cage-layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract).	Amino acids Versus protein in low protein cage-layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate.	Amino acids Versus protein in low protein cage-layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review.	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review.	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract).
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128 The relation of protein level of alfalfa meals to	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for layers. (Abstract).	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing chicks.
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for layers. (Abstract).	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing chicks. 4234
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128 The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for layers. (Abstract).	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing chicks.
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128 The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract). 4130 The infectious bursal agent and pathology of the disease. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219 Effect of MGA on body weight, body fat and	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing chicks. 4234 Effects of excess amino acids on growth of chicks
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128 The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract). 4130 The infectious bursal agent and pathology of the disease. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219 Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract). 4224 The levels of Type II infection (Marek's disease)	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing chicks. 4234 Effects of excess amino acids on growth of chicks fed amino acid deficient diets. (Abstract). 4244 Effect of environmental temperature on iron
Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn by chickens. 4105 Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111 Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128 The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract). 4130 The infectious bursal agent and pathology of the disease. (Abstract).	Amino acids Versus protein in low protein cage- layer diets. abstract). 4206 Cobalt and vitamin C for chicks. (Abstract). 4210 The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract). 4212 Field significance of Mycoplasma meleagridis infection. (Abstract). 4214 Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216 Buquinolate-A review. 4218 Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219 Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract). 4224	The efficacy of trans and cis vitamin A. (Abstract). 4158 Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190 Use of chicks to measure availability of iron. (Abstract). 4220 Specificity of the chick's requirement for choline. (Abstract). 4221 Fumigation and reuse of broiler litter. (Abstract). 4222 Lysine requirement of the growing chick. (Abstract). 4233 Imbalanced lysine feeds for starting or growing chicks. 4234 Effects of excess amino acids on growth of chicks fed amino acid deficient diets. (Abstract).

4231

CHILO SUPPRESSALIS

Effect of dietary lipids upon the lipase, pan- creatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Ab-	CHLOROPHENOXY-ALPHA-PROPIONIC ACID, 3- Current status on chemical thinning of peaches	Leaf beetle larvae of the subfamily Eumolpina and of Syneta betulae F. (Coleoptera, Chrysomolidae).
stract). 4261	and pears in Michigan.	384
Lysine levels on chick growth and nitrogen	CHLOROPIDAE	CICADELLIDAE Problem insects in 1967 - how to control them i
utilization. (Abstract).	Larval feeding habits of certain Chloropidae	1968.
4264 Zinc toxicity and vitamin D for chicks. (Ab-	(Diptera). 3885	CIDCHIM ADVENCE
stract).	CHLORTETRACYCLINE	CIRSIUM ARVENSE Now can you spot those weeds.
4314	Payzone nitrovin-A new growth promoter for	405
CHILO SUPPRESSALIS Study on attractant of the rice stem borer, Chilo	poultry. (Abstract).	CITRUS
suppressalis Walker.	Calf fattening trials with oral administration of	Virus diseases survey on citrus in the Black Se region.
3835	abdelin acid, aureomycin and chloramphenicol,	395
CHILOPODA On ocular regeneration in Lithobius forficatus L.	under controlled environmental conditions. 4146	Melanose of citrus.
(Myriopoda Chilopoda).	CHOLESTEROL	398 Control of the citrus nematode, Tylenchulu
CHIPONOMIDAE	Effect of dietary lipids upon the lipase, pan- creatic cholesterol esterase, plasma triglyceride	semipenetrans, with 1,2-dibromo-3
CHIRONOMIDAE The colonization of Lake Constance with	and total plasma lipids level in the chick. (Ab-	chloropropane in Taiwan. 405
Chironomidae.	stract). 4261	CLADOSPORIUM FULVUM
3765 Ecological and systematic investigations of the	CHOLINE	Reaction of tomato varieties against Alternari
Chironomidae (Diptera) of Lake Constance. A	Specificity of the chick's requirement for	solani and Cladosporium fulvum. 393
contribution to the lake chironomide fauna of	choline. (Abstract).	CLASSIFICATION
the northern foothills of the Alps. 3766	CHROMATOGRAPHY	The role of systematics in biology.
CHIRONOMUS	The hyperglycaemic activity of the corpus al-	CLASTORTERA LINDULATA
Bloodwormspests of rice.	latum in an insect.	CLASTOPTERA UNDULATA Studies on the life history and biological control
CHLORAMPHENICOL	Lipids of Drosophila: A newly detected lipid in	of the spittlebug, Clastoptera undulata Uhle
Calf fattening trials with oral administration of	the male.	(Cercopidae: Hemiptera).
abdelin acid, aureomycin and chloramphenicol, under controlled environmental conditions.	Notice of filing of petition regarding pesticide	CLIMATE
4146	chemicals.	Climate and the phylogeny and distribution of
A contribution to the salmonellosis of cattle and	4293	Tabanidae. 374
its therapy.	Steroid alkaloids as compounds produced by potato tubers under stress.	Some observations on the late occurrence of
CHLORINATED HYDROCARBONS	4323	Peronospora on grapes in the period 1964-1966
Protection of bees through the use of insecti-	New antheridiogen from the fern Onoclea sensi-	396 Hygiene and animal diseases in Deux-Sevres (re
cides, harmless or only slightly dangerous to bees.	bilis. 4325	gion of Coulonges-sur-l'Autize).
3803	A new antibiotic produced by a strain of Asper-	414
The toxic action of a mixture of gamma-BHC	gillus flavipes.	CLOSTRIDIUM PERFRINGENS Enterotoxaemia of calves evoked by Clostridiur
and EDB to Cryphalus fulvus Niijima. Studies on the control of forest pests. V.	CHROMOSOMES 4334	perfringens type B.
3857	Changes in soluble proteins during foot-pad	CLOVED 411
Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought	development in Sarcophaga bullata. 3821	CLOVER Notes on toxicology: The clover.
about by induced pigment formation.	Chromosomes of Syrphidae. IV. Karyotypes of	412.
3867	fourteen species in the tribe Chrysotoxini.	The effects of increasing molybdenum rates of building of dry material of clover.
Low temperature sprays for Dutch elm disease control.	3893 Salivary gland chromosome variation in the	432
3957	Drosophila affinis subgroup. II. Comparison of	COBALT
Chemical control of stripe smut in Merion Kentucky bluegrass.	C-chromosome patterns in D. athabasca and five	Cobalt and vitamin C for chicks. (Abstract).
3964	related species.	COBALT ISOTOPES
Fungus diseases of cotton seedlings in Egypt.	Chromosomes of the cereal leaf beetle.	Effect of gamma-irradiation of late embryo or
Damages done to heet coods by the forest mouse	5900 Endomitoris in the mealy bug. Planacoccus citri	the growth of silkglands and on silk production in the silkworm, Bombyx mori.
Damages done to beet seeds by the forest mouse (Apodemus sylvaticus).	Endomitosis in the mealy bug, Planococcus citri (Homoptera: Coccoidea).	387
4092	3901	Influence of various chelating agents on absorption of 60Co, 59Fe, 54Mn, and 65Zn b
Some remarks on plant protection preparation- tolerances.	Mutation rates and mortalities after X-irradia- tion of the early development stages of Droso-	chickens.
4292	phila melanogaster.	410
Tolerances and exemptions tolerances for pesti-	3902	COCCIDAE Microterys clauseni Compere (Hym.: Encyr
cide chemicals in or on raw agricultural com- modities. Trifluralin.	Notes on the chromosomes of two species of cockroaches.	tidae).
4299	3904	COCCIDIOSIS 3796
Effects of heptachlor and nicotine on the barbels	Relative viability of heterozygotes and	Notice of filing of petition for food additives.
of a catfish (Heteropneustes fossilis). 4310	homozygotes with respect to the irradiated chromosome in Drosophila melanogaster.	4143
The effect of different fungicides on the yeast	3906	Factors related to immunity of chickens to coc cidiosis. (Abstract).
flora during the treatment of grape vines. 4329	CHRYSANTHEMUM A flower blight of chrysanthemum in South	414
CHLORINE	Florida.	Disinfection in parasitose's.
Effect of an iodophor on shelf life of poultry.	CHRYSOLAMBUS ANOBU	4148
(Abstract). 4238	CHRYSOLAMPUS ANOBII New Perilampidae (Hymenoptera: Chalci-	Activity of decoquinate against field strains of chicken coccidia. (Abstract).
CHLOROPHENOXY-ALPHA-PROPIONAMIDE,	doidea).	4162
3- Current status on chemical thinning of peaches	CHRYSOMELIDAE 3742	Floor pen evaluations of the anticoccidial effects of decoquinate on single and mixed species or
and pears in Michigan.	Notes on the Chrysomelidae from Taiwan 1.	chicken coccidia. (Abstract).
3913	3755	4163

COMPLEMENT FIXATION
Ovine genital brucellosis. Epididmytis of the ram
(Brucella ovis). The utilization of a new antigen for the complement fixation test and intradermal

Progress of the Soviet virology in foot-and-mouth disease studies.

Bulletin of the Entomological Society of Amer-

Nicarbazin. Drugs for veterinary use; drug effica-

Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract).

Anticoccidial activity of sulfadimethoxine poten-

Morpho-systematic studies on Collembola Part 0i. Materials to a revision of the genus Lepidocyrtus Bourlet, 1839 (Entomobryidae s. l.).

Investigations on Coccidia in zoo ruminants.

4174

4185

. 4195

reaction.

CONFERENCES

cy study implementation.

CRONARTIUM STALICTIFORME

Size independent secretion by the corpus allatum

The hyperglycaemic activity of the corpus allatum in an insect.

CORPORA CARDIACA

Effects of long-term cardiatectomy-allatectomy on mitochondrial respiration in the cockroach, Blaberus discoidalis.

of Calliphora erythrocephala.

Maritime Provinces.

CRONARTIUM STALICTIFORME

Occurrence of Cronartium comptoniae in the

4(18

4018

tiated mixture (Ro 5-0013) in chickens.	3739	CORYNESPORA CASSIICOLA
	Epidemiological analysis of disease reports of the	A new leaf spot of para rubber (Hevea brasiliensis) in Nigeria.
Buquinolate-A review.	Southern Conference on Avian Diseases. (Ab-	3936
4218	stract).	COSTS
Effect of prolonged infection by intestinal coc-	4201	Stretch your pest control dollars.
cidia upon zinc-65 and oleic acid absorption in	CONOTRACHELUS NENUPHAR	3922
broilers. (Abstract).	Disease and insect control in home orchards.	
	3983	Corn marigold (goldings, yellow oxeye, yellow
Prosphanilic acid derivatives. Patent 3,442,938.	CONVOLVULUS	bottle). 4072
4335	Perennial bindweeds.	
COCCINELLIDAE	4074	Spraying post oak brush pays dividends. 4084
Parasites of ladybirds (Coleoptera, Coccinel-	CONVOLVULUS ARVENSIS	
lidae) in Leningrad Province.	Now can you spot those weeds.	COTTON
3844	4059	Resistance of dwarf-internode castor (Ricinus
COCCOIDEA	COPPER	communis) to Verticillium wilt.
A new species of Eriococcus infesting American	Effect of environmental temperature on iron	
beach-grass in North Carolina (Homoptera: Coccoidea).	deficiency anemia in Athens-Canadian random-	Survey, screening, and breeding for bacterial
3785	bred chicks.	blight resistance in cotton.
	4257	
Materials to the knowledge of the scale insects	COPPER CARBONATE	Fungus diseases of cotton seedlings in Egypt.
fauna of Yugoslavia (Homoptera, Coccoidea).	Diseases and parasites of the rose.	3972
	3956	Detectable levels of Xanthomonas malvacearu in
COELOMOMYCES	COPPER OXYCHLORIDE	cotton gin debris with the seed-soak method.
Infection experiments with a fungus (Coelomo-	Fungicides for Arabica coffee 17relationships	4002
myces) which kills malarial mosquitoes. (abstract).	among some new fungicides, leaf rust (Hemileia	Some important aspects of cotton insect control.
3812	vastatrix), leaf fall and yield.	4044
COENZYME A	3967	Investigations on cotton wilt in Western Turkey.
	COPPER SULFATE	4252
Contribution to the study of the treatment of bovine ketosis.	Changes in insecticide sensitivity in the bean	COTTONSEED
4200	weevil Acanthoscelides obtectus Say, brought	Effect of storage on cottonseed and cottonseed
COFFEE	about by induced pigment formation.	products.
Mating and oviposition behavior of the coffee	3867	4283
leaf miner, Leucoptera coffeella (Lepidoptera:	CORN	Evaluation of cottonseed soapstocks in broiler
Lyonetiidae).	Maize dwarf mosaic-Effects of virus strains A	diets. (Abstract).
3888	and B on yield and interaction effects of atrazine	4317
Fungicides for Arabica coffee 17relationships	and the virus on yield.	COTTONSEED MEAL
among some new fungicides, leaf rust (Hemileia	3954	Cottonseed meal, lysine, and methionine for
vastatrix), leaf fall and yield.	Distribution and host range of maize dwarf mosa-	layers. (Abstract).
3967	ic virus in Virginia.	4219
COLEOPTERA	3998	COUMAPHOS
Contribution to the fauna of the Congo (Braz-	Effects of early and late inoculation of maize	Food additives permitted in feed and drinking
zaville). Mission of A. Villiers and A. Descarpen-	dwarf mosaic virus strain A and B on shelled	water of animals or for the treatment of food-
tries. XLV. Coleoptera Ochodaeidae.	grain yields of susceptible and resistant maize	producing animals. Coumaphos.
3745	segregates of a three-way hybrid.	4274
Catalog of the Coleoptera of Angola.	4001	COVER CROPS
3747	Buggy-whip of corn and its relation to the in-	Influence of six cover crops on population densi-
A new click beetle of the genus Agriotes Esch.	cidence of common smut.	ty of Pratylenchus penetrans.
(Coleoptera, Elateridae) from Soviet central	4017	4046
Asia.	Hybrid corn yield reduction by stalk and root rot	COWPEAS
3751	in Nebraska.	Nine varieties of southern peas resistant to the
Notes on the Chrysomelidae from Taiwan I.	4027	soybean cyst nematode.
3755	Why is the disinfection treatment of corn seeds	4050
A new species on neotropical seed weevil affect-	absolutely necessary.	CRAMBIDAE
ing pigeon peas, with notes on two closely related	4030	Study on attractant of the rice stem borer, Chilo
species (Coleoptera: Bruchidae: Bruchinae).	The lasting influence of triazines and the effect	suppressalis Walker.
3756	of herbicide mixtures in the treatment of corn.	
Larvae of injurious beetles (Coleoptera) in the	ln: Collection of reports given at the Interna-	CRAMBINAE Studies on the Crumbines (Lonidanters) Per
soils of the Archeda Forest farm, Volgogard	tional Herbicide Conference, Prague, June 21-	Studies on the Crambinae (Lepidoptera). Par. 44. New Neotropical genera and species.
Province.	24, 1966. 4064	Preliminary check-list of Neotropical Cram
3795		binae.
The insect fauna in the burrows of the long-	CORN OIL Influence on egg quantity and quality with	3741
clawed mole-vole, a Caucasian endemic species.	sorghum grain diets supplemented with corn oil	CRONARTIUM COMANDRAE
3845	and/or furazolidone. (Abstract).	Virginia pine, a new host for Cronartium coma 1-
Problem insects in 1967 - how to control them in	4223	drae.
1968.	CORPORA ALLATA	39/13
3891	Physiological and ultrastructural study of the	CRONARTIUM COMPTONIAE
COLLEMBOLA	corpora allata of Locusta migratoria L. (Orthop-	Occurrence of Cronartium comptoniae in the
Collembola fauna of Malta.	tera) in the gregarious phase.	Maritime Provinces.

Effects of long-term cardiatectomy-allatectomy

on mitochondrial respiration in the cockroach,

Blaberus discoidalis.

CROP LOSSES

Effects of early and late inoculation of maize dwarf mosaic virus strain A and B on shelled

CROP LOSSES	grain yields of susceptible and resistant maize	CULICIDAE
Crown rust of oats in Canada in 1968.	segregates of a three-way hybrid.	Fauna and ecology of mosquitoes in the southern
3958		part of the Moscow district.
Losses from fusarium stem rot caused by Fusari-	CROPS Plant protection in the heart of Europe. Austrias	Insect metabolism of photoaldrin and photodiel-
um roseum, in production of cuttings of carna-	contribution to the international fight against	drin.
tion, Dianthus caryophyllus.	plant pests and diseases and, through this, to the	3837
Lodging resistance in wheat. II. Identification of	improvement of the food situation.	Food sources of some mosquito species in the
superior genetic stocks.	3911	natural focus of Tahyna virus in southern
3977	Plant protection. Bulletin of the plant disease	Moravia.
Leaf rust of wheat in Canada in 1968.	control station of Geneva. February.	3854
3999	3930	The effect of the amount of blood taken and ad-
Brown rot control in Southern California.	Plant protection. Bulletin of the plant disease	ditional carbohydrate nutrition on oogenesis in
4015	control station of Geneva. August.	females of blood-sucking mosquitoes of the genus Aedes (Diptera, Culicidae) of various
Hybrid corn yield reduction by stalk and root rot		weights and ages.
in Nebraska.	Plant protection. Bulletin of the plant disease control station of Geneva. September.	3886
4027	3932	CULICOIDES
The peach twig borer and its control.	The plant disease observatory of Milan.	Biting midges of the genus Culicoides Mg. (Dip-
4032	3940	tera, Ceratopogonidae) from the Valley of the
Nematodes are destructive to your plants.	Plant protection. Bulletin of the Plant Disease	Middle Reaches of the Desna.
4053	Station of Geneva. March.	3874
CROP ROTATION	4010	CULTURAL CONTROL (INSECTS)
Crop rotation hygiene in grain cultures.	Plant protection. Bulletin of the Plant Disease	Bloodwormspests of rice.
3912	Station of Geneva. June.	
Weeds mean waste Know your weeds and how to	4011	Raspberry moth.
control them.	Plant protection. Bulletin of the Plant Disease	
4066	Station of Geneva. October. 4012	CULTURAL CONTROL (PLANT DISEASES) Stem and root diseases of beans.
CROP VARIETIES		3941
Reaction of tomato varieties against Alternaria	Plant protection. Bulletin of the Plant Disease	CULTURAL CONTROL (WEEDS)
solani and Cladosporium fulvum.	Station of Geneva. April. 4013	Corn marigold (goldings, yellow oxeye, yellow
	Phytopathological problems in Austria.	bottle).
Plant pathology field day.	4021	4072
	CROWN GALLS	Further test of the control of Avena fatua in
Additional varieties of Agrostis palustris infected	Studies on crown gall bacteria, Agrobacterium	sugar beets.
by Ustilago striiformis var. agrostidis.	tumefaciens Conn II. Electron microscopic ob-	4079
	servation on the fine structure in dividing and	CULTURE MEDIA
Virulence of various groups of loose smut of bar- ley, (Ustilago nuda (Jens.) Rostr.) physiological	non-dividing phases.	Electron microscope examination of ultra-thin
races in the light of anatomical investigations of	3990	sections of Streptomyces viridochromogenes for
spring barley varieties different with regard to re-	CROWN RUST	hyphal anastomoses.
sistance. I. Spreading of pathogene in host plant	Crown rust of oats in Canada in 1968.	
tissue.	3958	The in vitro establishment of pith calluses and nodal tumors of Brassica oleracea.
3978	CRYPHALUS FULVUS	4004
A race of Ustilago tritici virulent on Thatcher	The toxic action of a mixture of gamma-BHC	Identification of races of Pseudomonas phaseol-
wheat and its derivatives.	and EDB to Cryphalus fulvus Niijima. Studies on the control of forest pests. V.	icola from Quebec bean fields.
3989	3857	4022
Development of a new variety of tomato named	CRYPTOCOCCUS	Stability of taxonomic characters in cultures of
Miguel pereira, with resistance to both Fusarium	Contribution to the study of bovine mastitis due	Diplodia and related genera as influenced by
and Verticillium wilts.	to fungi.	various carbon sources. (Abstract).
	4125	4330
Effects of early and late inoculation of maize dwarf mosaic virus strain A and B on shelled	CTENOPHORA	CURCULIONIDAE
grain yields of susceptible and resistant maize	A description of the developmental stages of	New species of Hypera (Coleoptera, Curcu-
segregates of a three-way hybrid.	Ctenophora guttata Wied, and a review of the	lionidae) from the Crimean Mountains.
4001	Czechoslovak species of the genus Ctenophora (Dipt., Tipulidae).	3787
Wild species as a source of resistance to diseases.	(Dipt., Tipulidae).	CURRANTS Paramaial bindurands
4016	CTENOPHORA GUTTATA	Perennial bindweeds. 4074
Influence of six cover crops on population densi-	A description of the developmental stages of	CURVULARIA
ty of Pratylenchus penetrans.	Ctenophora guttata Wied. and a review of the	An unexpected effect of benomyl on two gladio-
4046	Czechoslovak species of the genus Ctenophora	lus varieties.
Nine varieties of southern peas resistant to the	(Dipt., Tipulidae).	4321
soybean cyst nematode.		CUTICLE
4050	On the identity of 'Dasythorax ogasawarae Mat-	Temperature and circadian control of cuticle
Evaluation of various bird-resistant and non-re-	sumura' (Lepidoptera, Noctuidae, Cuculliinae).	growth on the bug, Oncopeltus fasciatus.
sistant varieties of grain sorghum for use in broiler diets.	3777	3814
droller diets.	CUCUMBERS	Role of the cuticle in egg spoilage. (Abstract). 4253
An unexpected effect of benomyl on two gladio-	Fungal and bacterial diseases of crucifers and cu-	
lus varieties.	curbits in western Ontario in 1967.	CYNIPOIDEA The alternate generation of Callirhytis quercus-
4321	3996	suttonii (Bassett) (Hymenoptera: Cynipoidea).
CROP YIELDS	Resistance to benomyl in powdery mildew of cu-	4038
Electrifying agriculture and horticulture.	curbits.	CYSTS
3921		A case of bilateral polycystic kidneys in a cat.
Maize dwarf mosaic-Effects of virus strains A	A contribution to the bionomy of Culex	4137
and B on yield and interaction effects of atrazine	modestus Fic. (Diptera, Culicidae) in southern	CYTISUS SCOPARIUS
and the virus on yield.	Moravia.	Studies on the insect fauna on Scotch broom
3954	3855	Sarothamnus scoparius (L.) Wimmer.
Micronutrients: The secret of better yields for	CULEX TARSALIS	
farmers.	Changes in the composition of lipids and fatty	CYTOGENETICS Meiosis in the male of Puto albicans (Coccoidea-
Effects of early and late inoculation of maize	acids in adult Culex tarsalis and Anopheles freeborni during the overwintering period.	Homoptera).
design of carry and rate inocuration of illaize	11eeborni during the overwintering period.	3894

3894

4202

4239

Salivary gland chromosome variation		Insect control for garden vegetables.	2016	DEGRADATION
Drosophila affinis subgroup. II. Compar C-chromosome patterns in D. athabasca	and five	Diseases and parasites of the rose.	3916	Two types of carboxyesterase degradin malathion in resistant houseflies and their inhibitions.
related species.	3899	Diseases and parasites of the rose.	3956	tion by synergists.
Chromosomes of the cereal leaf beetle.	3077	Low temperature sprays for Dutch elm	disease	DEHYDRATION (PHYSIOLOGICAL)
Circuitosomes of the cereal real occue.	3900	control.	3957	The influence of feed and water restriction and
Endomitosis in the mealy bug, Planococo	cus citri	Raspberry moth.		pitressin administration upon thyroxine secretio in domestic fowl.
(Homoptera: Coccoidea).	3901		4039	410
YTOLOGY		Estrogenic activity of o,p'-DDT in th malian uterus and avian oviduct.	e mam-	DEMETON
Purification, ultrastructure, and compos	ition of	manan attraction and avian oviduot.	4095	Some remarks on plant protection preparation tolerances.
axial filaments from Leptospira.	4188	Effect of storage on cottonseed and co	ttonseed	429
Light and electron microscope investigat		products.	4283	DENDROCTONUS Specificity of population-aggregatin
the formation of the oocyst wall in Eime cies (Eimeria perforans, E. stiedae, and I		Some remarks on plant protection prep	oaration-	pheromones in Dendroctonus.
la).		tolerances.	4292	386
WOODL ACM	4229	Investigation to determine the respective		DERMESTIDAE The palearctic species of Megatoma Herbs
YTOPLASM Studies on crown gall bacteria, Agroba	cterium	amounts of DDT and its analogues in	the milk	(Coleoptera, Dermestidae).
tumefaciens Conn II. Electron microsco	pic ob-	and back fat of selected dairy animals.	4300	DEUTEROMYCETES 376
servation on the fine structure in divid non-dividing phases.	ing and	DDT residues in beef cows fed apple pon		Contribution to the study of bovine mastitis du
non dividing phases.	3990		4302	to fungi.
, 2,4-		DECOQUINATE Penetration and development of Eimeria	mavima	DEVELOPMENT 412:
Defoliation effects on forest ecology.	4062	sporozoites and the static effect of deco		Investigations on the development of Aegyp
Ragwort.		(Abstract).	4128	tianella pullorum Carpano, 1928, in the soft tic Argas (Persicargas) persicus.(Oken, 1818) b
	4073	Activity of decoquinate against field st		means of fluorescent antibodies.
Perennial bindweeds.	4074	chicken coccidia. (Abstract).		382
Defoliation effects on forest ecology.	4074	Floorman analysticus of the auticossidia	4162	Minimum time for development and life span o metacercariae.
Decommended on research decompy.	4080	Floor pen evaluations of the anticoccidia of decoquinate on single and mixed sp		4270
Distribution, importance and problems of		chicken coccidia. (Abstract).		DEXTRANS Dextran 6 percent W/V in saline (plasma volume
cide use in Yugoslavia. In: Collection of given at the International Herbicide Conf		DEER	4163	expander). Drugs for veterinary use; drug effica
Prague, June 21-24, 1966.		Flaphostrongylus cervi Cameron, 1931		cy study implementation.
Effective methods for the use of herbic	4083	central nervous system of red deer elaphus).	(Cervus	DI-ALLATE 717
combination with the mineral fertilizers.		erapirus).	4271	Further test of the control of Avena fatua in
lection of reports given at the Internation bicide Conference, Prague, June 21-24, 1	nal Her-	DEFICIENCY DISEASES		sugar beets.
bicide Comerence, Frague, June 21-24, 1	4085	Vitamin A deficiency: Effect on retinal s of the moth, Manduca sexta.	tructure	The use of the pre-emergence herbicide Avade:
Reduction of preharvest drop and water	spot of	51 000 000 000 000 000 000 000 000 000 0	3807	and Avadex BW in the band spraying method.
navel oranges in Southern California.	4331	Intestinal histology of vitamin A deficient (Abstract).	t chicks.	DIABETES
AIRY CATTLE		(Abstract).	4113	Oral therapy of diabetes mellitus in dogs with
Insects and mites of livestock and i	n farm	Reproductive abnormalities in hens defi	icient in	Glycodiazin. 4160
buildings.	3792	linoleic acid. (Abstract).	4123	DIAGNOSIS
Spohn's udder aid. Drugs for veterinary u	se; drug	The amino acid deficiencies of blood r		Phoma exigua Desm. and its varieties. 3945
efficacy study implementation.	4176	the chick.	4149	Illustrative scales for the evaluation of potato
Food additives permitted in feed and d		The efficacy of trans and cis vitamin		scab and Rhizoctonia infection.
water of animals or for the treatment of		stract).		4024 Enterotoxaemia of calves evoked by Clostridium
producing animals. Coumaphos.	4274	Animal food composition Putant 2 429 4	4158	perfringens type B.
Investigation to determine the respective		Animal food composition. Patent 3,428,4	4159	Alleray tests and folce recetions in the recognition
amounts of DDT and its analogues in the and back fat of selected dairy animals.	he milk	Relationship of biotin to leg weakness in	turkeys.	Allergy tests and false reactions in the preventior of bovine tuberculosis.
,	4300	(Abstract).	4161	4150
AIRY PRODUCTS The importance of brucellesis infection in	magand	The linoleic acid requirement of the		Towards the eradication op bovine tuberculosis. 4172
The importance of brucellosis infection in to human health.	rregard	reproduction. (Abstract).	4192	Progress of the Soviet virology in foot-and
	4237	Amino acids Versus protein in low prote		mouth disease studies.
ASYPOLIA LAMA On the identity of 'Dasythorax ogasawara	ae Mat-	layer diets. abstract).		An improvement of the indirect fluorescent an-
sumura' (Lepidoptera, Noctuidae, Cucull	iinae).	Amino acids and isonitrogenous turkey	4206	tibody test for the diagnosis of intraerythrocytic
ASYTHORAX OGASAWARAE	3777	diets. (Abstract).		parasitic infections.
On the identity of 'Dasythorax ogasawara		Ordinana da estado de la constante de la const	4207	The mycotic abortions in the cow.
sumura' (Lepidoptera, Noctuidae, Cucull		Optimum destruction of rachitogenic ac C-I protein. (Abstract).	tivity of	4194 Enidemiological analysis of disease reports of the
DT	3111		4247	Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Ab-
Changes in insecticide sensitivity in th		Effect of environmental temperature deficiency anemia in Athens-Canadian r		stract).
weevil Acanthoscelides obtectus Say, labout by induced pigment formation.	orought	bred chicks.		4201 A survey of Brucella infection of cattle in Kenya.
- January Digmont Tormation.	3867	DEEOLIATION	4257	A comparison of four serological tests for the
Heterogeneity in the Trinidad DI SISTANT strain and the QS susceptible s		DEFOLIATION Defoliation effects on forest ecology.		diagnosis of infection.
Aedes aegypti L. The isolation of highly r			4062	Electron microscopy as an aid to the rapid
and highly susceptible substrains.	3907	Defoliation effects on forest ecology.	4080	identification of animal viruses.

3907

DIANTHUS CARYOPHYLLUS

Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Sarological diagnosis: III. Vaccines and brusellosis:	The effect of diet on the physiology of the	Imbalanced lysine feeds for starting or growin chicks.
sis: Serological diagnosis. III. Vaccines and bru- cellosis.	brown-tail moth, Euproctis chrysorrhoea L. (Lepidoptera, Liparidae).	423 Effects of excess amino acids on growth of chicl
4260 Milk fever in the dog.	Emtryl and antibiotics for turkey breeders. (Ab-	fed amino acid deficient diets. (Abstract).
4262	stract).	The influence of high level of L-phenylalanine of
Toxocariasis in man and animals. 4282	4112 Influence of dietary fat, soybean meal treatment	chicks hatched from pullets fed same level of I phenylalanine. (Abstract).
Organic phosphate poisoning of sheep in Skull Valley, Utah.	and antibiotic supplementation on growth of chicks fed different carbohydrates.	424
4304	4120	Optimum destruction of rachitogenic activity (C-1 protein. (Abstract).
British poisonous plants. 4308	Reproductive abnormalities in hens deficient in linoleic acid. (Abstract).	424
Some recent aspects of veterinary toxicology:	4123	Low lysine diets for rearing replacement pullet (Abstract).
Attempted comparison with human toxiocology.	The relation of protein level of alfalfa meals to	424
DIANTHUS CARYOPHYLLUS	their vitamin K activity. (Abstract).	Essential amino acid levels for starting poult
Losses from fusarium stem rot caused by Fusari-	Aflatoxin studies with White Rock chickens.	(Abstract).
um roseum, in production of cuttings of carnation, Dianthus caryophyllus.	(Abstract).	Strontium metabolism in hens. (Abstract).
3969	Evaluation of various bird-resistant and non-re-	425
DIAPORTHE CITRI Melanose of citrus.	sistant varieties of grain sorghum for use in	Effect of dietary lipids upon the lipase, par creatic cholesterol esterase, plasma triglycerid
3988	broiler diets. 4139	and total plasma lipids level in the chick. (Al stract).
DIAZINON Insect control for garden vegetables.	Effect of methionine on a growth depression in-	426
3916	duced by supplementing a corn-soybean meal diet with lysine.	Lysine levels on chick growth and nitroge
Diseases and parasites of the rose.	4151	utilization. (Abstract).
3956 DIBROMO-3-CHLOROPROPANE, 1,2-	Dietary magnesium requirement of the laying hen. (Abstract).	Evaluation of cottonseed soapstocks in broile
Control of the citrus nematode, Tylenchulus	4155	diets. (Abstract).
semipenetrans, with 1,2-dibromo-3-chloropropane in Taiwan.	Sulfur amino acid requirement of laying hens.	DIETHYLSTILBESTROL
4057	(Abstract).	Notice of filing of petition for food additive
DICAMBA Tolerances and exemptions from tolerances for	Relationship of biotin to leg weakness in turkeys.	diethylstilbestrol. 414
pesticide chemicals in or on raw agricultural commodities. Dicamba.	(Abstract). 4161	DIGITALIN
4295	Growth depressing effect of excess leucine in	Digitalin metabolism in cardiac insufficiency of the dog.
DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-	relation to the amino acid composition of the diet. (Abstract).	430
Investigation to determine the respective residue	4187	DIGITALIS PURPUREA Digitalin metabolism in cardiac insufficiency of
amounts of DDT and its analogues in the milk and back fat of selected dairy animals.	Effect of phytate on the apparent calcium requirements of chicks. (Abstract).	the dog.
4300	4190	DIGITARIA
DICHLORO-4-NITROANILINE, 2,6- Efficacy of fungicides, hot water and gamma-ir-	Effects of calcium levels in pullet developers. (Abstract).	Controlling weeds in tobacco with benefin.
radiation for control of postharvest fruit rots of	4193	DIMETHOATE 406
papaya.	The threonine requirement of the pullet and adult hen. (Abstract).	Notice of filing of petition regarding pesticid
DICHLOROPHENYL P-NITROPHENYL ETHER, 2,4-	4199	chemicals.
2,4-dichlorophenyl p-nitrophenyl ether. Notice	Dietary amino acids and muscular dystrophy.	DINITROCRESOL
of extension of temporary tolerances.	(Abstract). 4203	Protection of bees through the use of insect cides, harmless or only slightly dangerous t
DICHLOROPROPANE DICHLOROPROPENE	Effect of ascorbic acid withdrawal on interior	bees.
MIXTURE Soil fumigation at Boskoop.	egg quality. (Abstract).	DINOCAP 380
3925	Studies on the sodium requirements of chicks.	The effect of different fungicides on the year
DICHLORVOS An attempt to eliminate the principal parasitic	(Abstract). 4205	flora during the treatment of grape vines. 432
nematodes of dogs by using a new phosphoric	Amino acids Versus protein in low protein cage-	DIPHENYLAMINE
ester. 4277	layer diets. abstract).	Chemical injury on Golden Delicious apple treated with diphenylamine.
DICROCHELES PHALAENODECTES	Amino acids and isonitrogenous turkey starter	432
Record of the moth ear mite, Dicrocheles phalaenodectes, in Ohio (Acarina: Mesostig-	diets. (Abstract).	DIPLODIA Stability of taxonomic characters in cultures of
mata). 3865	Cobalt and vitamin C for chicks. (Abstract).	Diplodia and related genera as influenced b
DICTYOCAULUS FILARIA	The effect of added energy on induced	various carbon sources. (Abstract). 433
Experiments on the loss of Dictyocaulus filaria from the lungs of infected sheep. II. The demon-	Mycoplasma gallisepticum infection in broilers.	DIPPING
stration of worms in the bronchial spare mucus.	(Abstract).	Control of Mycoplasma meleagridis infection i turkeys. (Abstract).
DIEBACK	Specificity of the chick's requirement for	417
Dutch elm disease detected in Alabama.	choline. (Abstract).	The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract).
Low temperature sprays for Dutch elm disease	Influence on egg quantity and quality with	419
control. 3957	sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract).	Field significance of Mycoplasma meleagridis in fection. (Abstract).
DIELDRIN	4223	421
Insect restabolism of photoaldrin and photodiel- drin	Lysine requirement of the growing chick. (Abstract).	Shell quality effect on Salmonella penetration (Abstract).

Investigations concerning the ultrastructure and etiology of the mast cell tumors in the dog.

Milk fever in the dog.

A survey of leaf-miners and their parasites on Laburnum.

DIPTERA

Further studies on the anthelmintic activity of I-tetramisole against gastro-intestinal helminths in sheep.

3171	Milk fever in the dog.	4219
Faunal and ecological study on the families Nycteribiidae and Streblidae (Dipt., Pupipara) of the	An attempt to eliminate the principal parasitic	Digitalin metabolism in cardiac insufficiency of the dog.
Nangahar Province (Eastern Afghanistan).	nematodes of dogs by using a new phosphoric	4307 Contribution to the study of hydrogen sulfide
Insect metabolism of photoaldrin and photodiel-	ester. 4277	poisoning of domestic animals.
drin. 3837	Digitalin metabolism in cardiac insufficiency of the dog.	4311 The influence of antibiotics on mineral metabol-
Review of the parasitic Diptera of the genus	4307	ism.
Eriothrix meigen (Diptera, Tachinidae) in the USSR.	DOSAGE Effect of gamma-irradiation of late embryo on	Zinc toxicity and vitamin D for chicks. (Ab-
3838	the growth of silkglands and on silk production in	stract).
The insect fauna in the burrows of the long- clawed mole-vole, a Caucasian endemic species.	the silkworm, Bombyx mori.	The effects of increasing molybdenum rates on
3845	How to prevent sun and heat damage to desert-	building of dry material of clover. 4322
Larval feeding habits of certain Chloropidae (Diptera).	grown tomatoes. 3909	Reduction of preharvest drop and water spot of
DISEASE CONTROL	Soil fumigation at Boskoop. 3925	navel oranges in Southern California. 4331
Experimental control Mycoplasma meleagridis	Disease and insect control in home orchards.	What you should know about concentrate spray-
in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Ab-	3983	ing. 4342
stract).	Defoliation effects on forest ecology. 4062	The first maximum dosage regulation for plant
Control of Mycoplasma meleagridis infection in	The development of chemical weed control in	protection preparations in the Federal Republic of Germany.
turkeys. (Abstract).	ornamental plants in fields. 4063	4347
Regulating the shipment of living pests,	Weed control in fruits and nuts.	The occurrence of the downy mildew disease of
pathogens and vectors.	Weed control in vegetables.	tobacco.
DISEASE TRANSMISSION	4071	DRAINAGE DITCHES
Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Ab-	Corn marigold (goldings, yellow oxeye, yellow bottle).	Chemical weed control in irrigation channels and drains.
stract).	4072	4061
Control of Mycoplasma meleagridis infection in	The anabolic steroids and their use in veterinary therapeutics.	DROSOPHILA Salivary gland chromosome variation in the
turkeys. (Abstract).	4099	Drosophila affinis subgroup. II. Comparison of
An improvement of the indirect fluorescent an-	Influence of protamone on bone fragility of caged hens. (Abstract).	C-chromosome patterns in D. athabasca and five related species.
tibody test for the diagnosis of intraerythrocytic parasitic infections.	4103	DROSOPHILA MELANOGASTER
4183	The effects of a single massive dose of phenyl- hydrazine on different hematological traits of	Changes in gonads and primary sexual characters
Egg transmission studies of Type II leukosis infection (Marek's disease).	chickens. (Abstract).	in triploid intersexes of Drosophila melanogaster (Diptera) exposed to the effect of different tem-
4230	Tests on laboratory animals and on tubercular	peratures. 3842
DISPHARYNX NASUTA Efficacy of several drugs for control of poultry	cows in order to determine the value of the mor- ruato cupric colloidal (gadusan) in the in-	Lipids of Drosophila: A newly detected lipid in
nematodes. (Abstract).	tradermal reaction.	the male. 3895
DISULFOTON	Dietary magnesium requirement of the laying	The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis
Fungus diseases of cotton seedlings in Egypt.	hen. (Abstract).	of Drosophila melanogaster.
DITHIOCARBAMOYLHYDRAZINE	Embryostat (oxytetracycline powder). Drugs for	3897 Mutation rates and mortalities after X-irradia-
Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828).	veterinary use, drug efficacy study implementa- tion.	tion of the early development stages of Droso-
4241	4173	phila melanogaster. 3902
Host resistance reflected in differential ne-	Nicarbazin. Drugs for veterinary use; drug efficacy study implementation.	Relative viability of heterozygotes and homozygotes with respect to the irradiated
matode population structures. 4058	4174 Spohn's udder aid. Drugs for veterinary use; drug	chromosome in Drosophila melanogaster.
DIURNAL RHYTHM	efficacy study implementation.	DRUG THERAPY
Temperature and circadian control of cuticle growth on the bug, Oncopeltus fasciatus.	4176 Dextran 6 percent W/V in saline (plasma volume	Comparative studies of American and African Trypanosomiasis.
DOGS 3814	expander). Drugs for veterinary use; drug effica-	3908
Chronic follicular hypertrophic-hyperplastic gas-	cy study implementation.	Experimental control Mycoplasma meleagridis in turkeys by the temperature differential
tritis in a dog.	Nystatin for feed formulation. Drugs for veterinary use, drug efficacy study implementation.	dipping of eggs in tylosin and spiramycin. (Ab-
Notice of filing of petition for food additive	4179	stract). 4118
nitrodan. 4144	Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens.	Notes on toxicology: The clover.
Oral therapy of diabetes mellitus in dogs with Glycodiazin.	4196	Contribution to the study of bovine mastitis due
4160	Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract).	to fungi.
Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation.	4197	Penetration and development of Eimeria maxima
4180	Buquinolate-A review. 4218	sporozoites and the static effect of decoquinate. (Abstract).
Disseminated geotrichosis in a dog. 4182	Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous	4128 Oral therapy of diabetes mellitus in dogs with
Glycemia in dogs.	feed levels on growth in turkeys. (Abstract).	Glycodiazin.
4184	4245	4160

DRUGS

Floor pen evaluations of the anticoccidial effects of decoquinate on single and mixed species of chicken coccidia. (Abstract).	Nystatin for feed formulation. Drugs for veterinary use. drug efficacy study implementation. 4179	Shell quality effect on Salmonella penetration (Abstract). 422:
Effect of nitrofurazone and furazolidone on reproduction in chickens.	Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180	Egg transmission studies of Type II leukosis in fection (Marek's disease). 423
4169 Embryostat (oxytetracycline powder). Drugs for	Some recent aspects of veterinary toxicology: Attempted comparison with human toxiocology.	Role of the cuticle in egg spoilage. (Abstract).
veterinary use, drug efficacy study implementation.	4316 Prosphanilic acid derivatives. Patent 3,442,938. 4335	Food additives permitted in feed and drinking water of animals or for the treatment of food
Nicarbazin. Drugs for veterinary use; drug efficacy study implementation.	DUCKLINGS Effect of energy-protein balance, energy intake	producing animals. Food additives permitted in food for human consumption. Buquinolate. 429'
Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad	and methionine on growth and body composition of ducklings. (Abstract). 4140	Factors related to immunity of chickens to coc
spectrum coccidiostat-antibacterial, in chickens. (Abstract).	DUCKS Duck virus enteritis (duck plague). Interstate	cidiosis. (Abstract). 414 Activity of decoquinate against field strains o
Ovarian cysts in cattle and its therapy with	movement. 4110	chicken coccidia. (Abstract).
Gestafortin and prolan preparations.	DUSTING Insect control for garden vegetables.	Floor pen evaluations of the anticoccidial effect of decoquinate on single and mixed species o
Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens.	Corn earworm threatens snapbeans.	chicken coccidia. (Abstract).
4196 Antibacterial activity of sulfadimethoxine poten-	DWARF MOSAIC	Investigations on Coccidia in zoo ruminants. 4195
tiated mixture (Ro 5-0013). (Abstract).	Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield.	Anticoccidial activity of sulfadimethoxine poten tiated mixture (Ro 5-0013) in chickens.
Contribution to the study of the treatment of bovine ketosis.	3954 Distribution and host range of maize dwarf mosa-	4196 Buquinolate-A review.
4200 Buquinolate-A review.	ic virus in Virginia.	4218
4218	3998 Effects of early and late inoculation of maize	Light and electron microscope investigations or the formation of the oocyst wall in Eimeria spe
A contribution to the salmonellosis of cattle and its therapy. 4243	dwarf mosaic virus strain A and B on shelled grain yields of susceptible and resistant maize	cies (Eimeria perforans, E. stiedae, and E. tenella).
Therapeutic efficacy of ronidazole in water	segregates of a three-way hybrid. 4001	EIMERIA ACERVULINA
against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract).	ECHINOCHLOA Further research on the control of Echinochloa	Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract).
Effect of spectinomycin on experimentally in-	in rice fields.	4250
duced Arizona group infection in turkeys. (Abstract).	ECHINOCHLOA CRUSGALLI Controlling weeds in tobacco with benefin.	EIMERIA MAXIMA Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate.
Efficacy of several drugs for control of poultry	ECOLOGY 4065	(Abstract).
nematodes. (Abstract). 4272	Harmlessness of herbicides for the biocenosis. In: Collection of reports geven at the International	EIMERIA NECATRIX
An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester.	Herbicide Conference, Prague, June 21-24, 1966.	Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract).
4277	ECONOMICS	4250
Comparative toxicology of organic and inorganic arsenicals in swine.	Chemical weed control in irrigation channels and drains. 4061	Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251
Digitalin metabolism in cardiac insufficiency of	EGGS	ELATERIDAE
the dog. 4307	Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123	A new click beetle of the genus Agriotes Esch. (Coleoptera, Elateridae) from Soviet central Asia.
DRUGS Inherited resistance to sulfaquinoxaline toxicity	Sulfur amino acid requirement of laying hens.	3751
in the chicken. (Abstract).	(Abstract).	Insect control for garden vegetables. 3916
Notice of filing of petition for food additives. 4143	Effect of nitrofurazone and furazolidone on reproduction in chickens.	Physiological and ultrastructural study of the
Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementa-	Control of Mycoplasma meleagridis infection in turkeys. (Abstract).	corpora allata of Locusta migratoria L. (Orthoptera) in the gregarious phase. 3831
tion. 4173	4171	An electron microscope study of thoracic mitochondriac membranes in developing adults
Nicarbazin. Drugs for veterinary use; drug efficacy study implementation.	Effect of ascorbic acid withdrawal on interior egg quality. (Abstract).	of the blowfly Lucilia cuprina. 3887
Sodium propionate. Drugs for veterinary use; drug efficacy study implementation.	Field significance of Mycoplasma meleagridis infection. (Abstract).	Electron microscope examination of ultra-thin sections of Streptomyces viridochromogenes for
4175	4214 Bacterial contamination and performance of	hyphal anastomoses.
Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176	leghorn breeders on sloping wire Versus litter floors. (Abstract).	Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942
Dextran 6 percent W/V in saline (plasma volume	Cottonseed meal, lysine, and methionine for	Freezing and thawing of purified suspensions of
expander). Drugs for veterinary use; drug efficacy study implementation.	layers. (Abstract). 4219	the tobacco mosaic virus and its effect on infectivity.
Sulfisoxazole. Drugs for veterinary use; drug ef-	Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil	Some observations on the shape and localization
ficacy study implementation. 4178	and/or furazolidone. (Abstract).	of different viruses in experimentally infected plants, and on the fine structure of the host cells.

IV:ABABIS mosaic virus in Petunia hybrida Hort.	The effect of added energy on induced Mycoplasma gallisepticum infection in broilers. (Abstract).	Occurrence of Cronartium comptoniae in the Maritime Provinces. 4018
	(Abstract).	
Studies on crown gall bacteria, Agrobacterium	ENTERITIS	Susceptibility of coastal form and central Mon-
tumefaciens Conn II. Electron microscopic ob-	Duck virus enteritis (duck plague). Interstate	tana Douglas-fir to Arceuthobium douglasii.
servation on the fine structure in dividing and	movement.	
non-dividing phases.	4110	Latent skin fungus infections in animals and their
	ENTEROTOXEMIA	importance for the epidemiology of animal and
C -type viral particles in plasma of cats with	Enterotoxaemia of calves evoked by Clostridium	human dermatomycoses. 4119
feline leukemia.	perfringens type B.	
	4114	Contribution to the study of bovine mastitis due
Purification, ultrastructure, and composition of	ENTOMOGENOUS FUNGI	to fungi.
axial filaments from Leptospira.	Mortality of mature beetles lps typographus (L.)	
	(Col., Scolytidae) in the galleries and its causes.	Leptospirosis in Argentina. Diffusion, morbidity
Light and electron microscope investigations on	3799	and nosological map. 4127
the formation of the oocyst wall in Eimeria spe-	ENTOMOLOGY	
cies (Eimeria perforans, E. stiedae, and E. tenel-	Bulletin of the Entomological Society of Amer-	Observations on the effect of the re-use of broiler
la).	ica.	litter on the incidence of Marek's disease. (Abstract).
On the structure of horse influenza virus. A con-	3739	4129
tribution to the ultrastructure of influenza	What the practitioner should know about	The mycotic abortions in the cow.
viruses.	arthropods.	4194
Viruses. 4235	3740	
Electron microscopy as an aid to the rapid	The importance of applied entomology for Aus-	Epidemiological analysis of disease reports of the
identification of animal viruses.	trian plant protection.	Southern Conference on Avian Diseases. (Abstract).
4239		4201
Investigations concerning the ultrastructure and	ENVIRONMENT The effect of temperature on accounts release	Epizootics of trichinosis in pigs and its relation
etiology of the mast cell tumors in the dog.	The effect of temperature on ascospore release by Scleroderris lagerbergii.	with anti-rat procedures using warfarin.
4259	by Scieroderris lagerbergii.	4227
ELECTROPHORESIS	Control of Orobanche under natural and artifi-	Investigations on the occurrence of bovine leu-
The conjugated plasma proteins in adult females	cally infested conditions.	kosis in the county of Oldenburg, including the
of Periplaneta americana (L.) under starvation	4068	city of Delmenhorst and the metropolitan area of
and other stress.		Oldenburg.
3788	Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize).	4254
Two types of carboxyesterase degrading	gion of Coulonges-sur-r Autize).	Symposium on Brucellosis in Ireland. I. Brucello-
malathion in resistant houseflies and their inhibi-	Effect of environmental temperature on iron	sis: Bacteriology and epidemiology. II. Brucello-
tion by synergists.	deficiency anemia in Athens-Canadian random-	sis: Serological diagnosis. III. Vaccines and bru-
3859	bred chicks.	cellosis.
A contribution to the prophylactic use of Gam-	4257	4260
matonin in calves.	Research into environmental pollution.	Toxocariasis in man and animals.
4209	4290	4282
Isolation of the tuberculosis bacillus through	Environmental nitrates and animal health.	EPITHELIUM
electrophoresis in artificially contaminated milk.	4315	Epithelial changes in porcine exudative
4288	ENZYMES	epidermitis; the light-microscopical picture.
EMBIA BATESI	Two types of carboxyesterase degrading	4208
New Perilampidae (Hymenoptera: Chalci-	malathion in resistant houseflies and their inhibi-	Lymphoepithelial tissues of the intestine and dif-
doidea).	tion by synergists.	ferentiation of antibody production.
3742	3859	4213
EMBIIDAE	Biochemical research on hog cholera. Behavior	EPIZOOTIC DISEASES
	of some enzymatic activities in the serum.	Epizootiology of influenza in turkeys. (Ab-
New Perilampidae (Hymenoptera: Chalci-		stroat)
New Perilampidae (Hymenoptera: Chalcidoidea).	4132	stract).
New Perilampidae (Hymenoptera: Chalcidoidea).	4132 Investigation of some enzymatic activities (GOT,	4157
doidea).	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid	
doidea). 3742 EMBRYOS	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin.
doidea).	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori.	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori.	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus).
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus).
doidea). 2742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract).	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Ab-	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves.
doidea). 2742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract).	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract).	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract). 4112 EMULSIFYING AGENTS Emulsifiers for agricultural pesticides. Patent 3,442,818.	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934 Problems around the incidence and control of Fusarium oxysporum in tulips.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES On the structure of horse influenza virus. A con-
doidea). 3742 EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract). 4112 EMULSIFYING AGENTS Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934 Problems around the incidence and control of	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES On the structure of horse influenza virus. A contribution to the ultrastructure of influenza
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doidea). EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract). 4112 EMULSIFYING AGENTS Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338 ENCYRTIDAE Microterys clauseni Compere (Hym.: Encyrtidae). 3796 Studies on the life history and biological control of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera).	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934 Problems around the incidence and control of Fusarium oxysporum in tulips. 3943 Dutch elm disease detected in Alabama. 3947 Survey, screening, and breeding for bacterial blight resistance in cotton. 3952 The occurrence of the downy mildew disease of tobacco.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235 EQUIPMENT Autumn weed control for continuous cereal growers. 4069 Brush control through shredding.
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EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract). 4112 EMULSIFYING AGENTS Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338 ENCYRTIDAE Microterys clauseni Compere (Hym.: Encyrtidae). 3796 Studies on the life history and biological control of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera). 3802 ENDOTHIA PARASITICA Live oak in Mississippi infected by Endothia parasitica.	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934 Problems around the incidence and control of Fusarium oxysporum in tulips. 3943 Dutch elm disease detected in Alabama. 3947 Survey, screening, and breeding for bacterial blight resistance in cotton. 3952 The occurrence of the downy mildew disease of tobacco. 3984 Virginia pine, a new host for Cronartium comandrae. 3993 Distribution and host range of maize dwarf mosa-	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235 EQUIPMENT Autumn weed control for continuous cereal growers. 4069 Brush control through shredding. 4077 What you should know about concentrate spraying. 4342 EQUISETUM ARVENSE
doidea). EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract). 4112 EMULSIFYING AGENTS Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338 ENCYRTIDAE Microterys clauseni Compere (Hym.: Encyrtidae). 3796 Studies on the life history and biological control of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera). 3802 ENDOTHIA PARASITICA Live oak in Mississispi infected by Endothia parasitica. 3992 ENERGY	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934 Problems around the incidence and control of Fusarium oxysporum in tulips. 3943 Dutch elm disease detected in Alabama. 3947 Survey, screening, and breeding for bacterial blight resistance in cotton. 3952 The occurrence of the downy mildew disease of tobacco. 3984 Virginia pine, a new host for Cronartium comandrae. 3993 Distribution and host range of maize dwarf mosaic virus in Virginia.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235 EQUIPMENT Autumn weed control for continuous cereal growers. 4069 Brush control through shredding. 4077 What you should know about concentrate spraying. 4342 EQUISETUM ARVENSE Now can you spot those weeds.
doidea). EMBRYOS Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori. 3875 EMTRYL Emtryl and antibiotics for turkey breeders. (Abstract). 4112 EMULSIFYING AGENTS Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338 ENCYRTIDAE Microterys clauseni Compere (Hym.: Encyrtidae). 3796 Studies on the life history and biological control of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera). 3802 ENDOTHIA PARASITICA Live oak in Mississippi infected by Endothia parasitica. 3992 ENERGY Effect of energy-protein balance, energy intake	Investigation of some enzymatic activities (GOT, GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or those infected with newcastle disease virus. 4133 EPIDEMIOLOGY Comparative studies of American and African Trypanosomiasis. 3908 Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934 Problems around the incidence and control of Fusarium oxysporum in tulips. 3943 Dutch elm disease detected in Alabama. 3947 Survey, screening, and breeding for bacterial blight resistance in cotton. 3952 The occurrence of the downy mildew disease of tobacco. 3984 Virginia pine, a new host for Cronartium comandrae. 3993 Distribution and host range of maize dwarf mosaic virus in Virginia.	Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227 Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus). 4271 Studies on the epizootology of gastrointestinal helminths in calves. 4281 EQUINE INFLUENZA VIRUSES On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235 EQUIPMENT Autumn weed control for continuous cereal growers. 4069 Brush control through shredding. 4077 What you should know about concentrate spraying. 4342 EQUISETUM ARVENSE Now can you spot those weeds.
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Investigation to determine the respective residue

Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought about by induced pigment formation.

Are fertilizer programs related to fireblight and fruit disorders at harvest.

Effective methods for the use of herbicides in combination with the mineral fertilizers. In: Col-

ETHYLENE DIBROMIDE

ERIOCOCCUS CAROLINAE ERIOCOCCUS CAROLINAE

ETHERS

sues.

ETHYL ACETATE

Juvenile hormone: Activity of aromatic terpenoid ethers.

Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tis-

A new species of Eriococcus infesting American beach-grass in North Carolina (Homoptera: Coc-	and EDB to Cryphalus fulvus Niijima. Studies on the control of forest pests. V.	amounts of DD1 and its analogues in the mil and back fat of selected dairy animals.
coidea).	3857	FATTENING
ERIOPHYIDAE What the practitioner should know about	ETHYLENEDIAMINETETRAACETIC ACID Influence of various chelating agents on absorp- tion of 60Co, 59Fe, 54Mn, and 65Zn by	Calf fattening trials with oral administration of abdelin acid, aureomycin and chloramphenico under controlled environmental conditions.
arthropods.	chickens.	414
Three new species of Eriophyid mites	4105	FATTY ACIDS
(Acariformes: Eriophyidae, Rhyncaphytoptidae) from Poland.	Use of chicks to measure availability of iron. (Abstract).	Changes in the composition of lipids and fatt acids in adult Culex tarsalis and Anophele freeborni during the overwintering period.
ERIOTHRIX	ETIOLOGY	387
Review of the parasitic Diptera of the genus Eriothrix meigen (Diptera, Tachinidae) in the	A meningioma in a cat associated with erosion of the skull.	Effect of MGA on body weight, body fat an fatty acid composition of chickens. (Abstract).
USSR.	EUMOLPINAE 4154	FECES 422
3838 ERWINIA AMYLOVORA	Leaf beetle larvae of the subfamily Eumolpinae and of Syneta betulae F. (Coleoptera, Chrysome-	Investigations on Coccidia in zoo ruminants.
The training course of the European Plant Protection Organization in England.	lidae).	Studies on the epizootology of gastrointestina
3914	EUPERILAMPUS KROMBEINI	helminths in calves.
Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tis-	New Perilampidae (Hymenoptera: Chalcidoidea).	FEED
sues. 4008	3742	Notice of filing of petition for food additives. 414
ERWINIA CAROTOVORA	A mite of the genus Tydeus (Acariformes,	Imbalanced lysine feeds for starting or growin chicks.
Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tis-	Tydeidae) that is a grape pest in Moldavia.	423
sues.	EVALUATION 3846	Therapeutic efficacy of ronidazole in water
4008 ERWINIA CHRYSANTHEMI	The lasting influence of triazines and the effect of herbicide mixtures in the treatment of corn.	against histomoniasis and effect of continuou feed levels on growth in turkeys. (Abstract).
Aglaonema pictum, a new host of Erwinia chrysanthemi.	In: Collection of reports given at the Interna- tional Herbicide Conference, Prague, June 21-	Food additives permitted in feed and drinkin
3982	24, 1966.	water of animals or for the treatment of food producing animals. Coumaphos.
ERYSIPHE GRAMINIS TRITICI	4064	427
The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery	EXCRETION Investigations on Coccidia in zoo ruminants. 4195	Salmonella organisms in poultry feeds. (Ab stract).
mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with	EXTRACTS	428
powdery mildew (Erysiphe graminis F. tritici DC March).	Isolation and characterization of ribonucleic acid from Musca domestica (L.).	FEED ADDITIVES Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiral)
ERYTHROCYTES	EXTREMITIES	mycin) in the tissues of chickens receivin anibiotic feed supplements.
The effects of a single massive dose of phenyl-	Changes in soluble proteins during foot-pad	430
hydrazine on different hematological traits of chickens. (Abstract).	development in Sarcophaga bullata.	The influence of antibiotics on mineral metabol
4104	EXUDATIVE EPIDERMITIS	ism. 431
An improvement of the indirect fluorescent an-	Epithelial changes in porcine exudative	FEED CONTAMINATION .
tibody test for the diagnosis of intraerythrocytic parasitic infections.	epidermitis; the light-microscopical picture.	Biology of the fungus Aspergillus flavus Link and its infectivity to plants and animals.
4183	EYES On ocular regeneration in Lithobius forficatus L.	397.
Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-	(Myriopoda Chilopoda).	FEED TOXICITY Notes on toxicology: The clover.
bred chicks. 4257	Brief communication on the occurance of	412
ERYTHROMYCIN	thelaciaepathogens of an enzootic eye disease in	FEEDING
Oral therapy of diabetes mellitus in dogs with Glycodiazin.	cattle in the German Democratic Republic. 4273	Larval feeding habits of certain Chloropidae (Diptera). 388:
4160	EYEWORMS	Kale anaemia in ruminants. I. Survey of the
ESCHERICHIA COLI Reduction of shelf-life of fresh fryers due to in-	Brief communication on the occurance of the accurance pathogens of an enzotic eye disease in	literature and experimental induction of kale anaemia in lactating cows.
fection with Escherichia coli prior to processing.	cattle in the German Democratic Republic. 4273	415
ESTERASES 4287	FARM BUILDINGS	DDT residues in beef cows fed apple pomace. 430
Effect of dietary lipids upon the lipase, pan-	Insects and mites of livestock and in farm buildings.	FERRETS
creatic cholesterol esterase, plasma triglyceride	3792	Pathogenesis of and recovery from respirator
and total plasma lipids level in the chick. (Abstract).	FARM MANAGEMENT	syncytial and influenza infections in ferrets. 421:
426I	Spraying post oak brush pays dividends. 4084	FERTILITY
ESTROGENS	FASCIOLA HEPATICA	On the effect of combined action of pathogenic
Estrogenic activity of o,p'-DDT in the mam- malian uterus and avian oviduct.	The anaemia of acute and chronic ovine	microorganisms and insecticides upon insects. 3884
4095	fascioliasis.	FEDTH 17FDC

44

The anaemia of acute and chronic ovine fascioliasis.

FATS
Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates.

4280

4120

FASCIOLIASIS

3805

bicide Conference, Prague, June 21-24, 1966.	Buquinolate-A review.	The first maximum dosage regulation for plan
4085 Environmental nitrates and animal health.	Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil	protection preparations in the Federal Republic of Germany.
4315	and/or furazolidone. (Abstract).	434°
FIRE BLIGHT	4223	FOOD SPOILAGE Role of the cuticle in egg spoilage. (Abstract).
The training course of the European Plant Pro-	Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract).	425.
tection Organization in England.	4224	FOOT-AND-MOUTH DISEASE
Are fertilizer programs related to fireblight and	The influence of high level of L-phenylalanine on	Progress of the Soviet virology in foot-and
fruit disorders at harvest.	chicks hatched from pullets fed same level of L-	mouth disease studies.
3933	phenylalanine. (Abstract).	418
Fruit disease problems and new approaches to	4246	The epizootiological importance of foot-and mouth disease carriers. II. The carrier status o
their controls.	Food additives permitted in feed and drinking water of animals or for the treatment of food-	cattle exposed to foot-and-mouth disease follow
FISH	producing animals. Coumaphos.	ing vaccination with an oil adjuvant inactivated
Interaction of antimycin A and rotenone in fish	4274	virus vaccine.
bioassays.	Food additives permitted in feed and drinking	FOOT-AND-MOUTH DISEASE VIRUS
4097	water of animals or for the treatment of food producing animals. Food additives permitted in	Virulence, adsorbability, and antigenicity o
Fish as observed hosts of Ascaridstheir sig-	food for human consumption. Buquinolate.	foot-and-mouth disease virus selected by adsorp
nificance in regard to man's health.	4297	tion with homogenized mouse kidney.
FLORA	Tolerances and exemptions from tolerances for	4124
Fauna of the Heteroptera on town waste	pesticide chemicals in or on raw agricultural	FORAGE PLANTS The forage plants of Physical arrani Schiff
neopedon of the Prague periphery.	commodities. Food additives. Phosalone.	The forage plants of Rhagades pruni Schiff. 382
3767	FOOD CONSUMPTION	FOREIGN TRADE
FLOWERS Paratarhaitie transitania Phad (Dintern	Food additives permitted in the feed and drink-	Foreign quarantine notices. Nursery stock
Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel	ing water of animals or for the treatment of food-	plants, and seeds. Importation.
flowers in the Maritime Territory.	producing animals. Food additives permitted in food for human consumption. Buquinolate.	4340
3833	4098	FOREST INSECTS Mortality of mature bestles Ips typographus (L.
FLUORESCENCE	Irradiated food: FDA blocks AEC, Army	(Col., Scolytidae) in the galleries and its causes.
Determination of the virulence of the Mycobac-	requests for approval.	3799
terium tuberculosis by the fluorescence method. 4248	4286	The toxic action of a mixture of gamma-BHO
FLUORESCENT ANTIBODY TECHNIC	FOOD CONTAMINATION	and EDB to Cryphalus fulvus Niijima. Studies or
Investigations on the development of Aegyp-	A study of carcasses condemned for skin leukosis. (Abstract).	the control of forest 1 ests. V.
tianella pullorum Carpano, 1928, in the soft tick	4284	Distribution of scale bettes (Coleoptera
Argas (Persicargas) persicus (Oken, 1818) by means of fluorescent antibodies.	Irradiation treatment on wiener sausage with	Bruchidae) in the forest-"eppe zone of the East
3822	gamma-ray.	ern Ukraine.
An improvement of the indirect fluorescent an-	4285	3869
tibody test for the diagnosis of intraerythrocytic	Reduction of shelf-life of fresh fryers due to in-	The attraction to Pissodes notatus (Col. Curcu lionidae) of the wounds formed by Matsuococ
parasitic infections. 4183	fection with Escherichia coli prior to processing. 4287	cus feytaudi Duc. (Hom. Coccoidea) or
FOLIAR APPLICATION	Isolation of the tuberculosis bacillus through	maritime pine.
Effect of seeded fruits and foliar-applied auxin	electrophoresis in artificially contaminated milk.	4034
on seedless fruit set of pear the following year.	4288	The oleander scale, Pseudaulacaspis pentagona
4332	Salmonella organisms in poultry feeds. (Ab-	(Targ.), (Homoptera, Coccidae) in Bermuda. 404:
FOOD	stract). 4289	FOREST SOILS
Study on attractant of the rice stem borer, Chilo suppressalis Walker.	Organic phosphate poisoning of sheep in Skull	Nematodofauna of a mixed hornbeam-oak fores
3835	Valley, Utah.	soil and of the neighboring cultivated lands a
Animal food composition. Patent 3,428,457.	4304	Bab near Nitra.
4159	FOOD HABITS	FORMICIDAE
FOOD ADDITIVES	Food sources of some mosquito species in the natural focus of Tahyna virus in southern	Geographic distribution of the ant genus For
Notice of filing of petition for food additive ronnel.	Moravia.	mica (Hymenoptera: Formicidae).
4096	3854	3750
Food additives permitted in the feed and drink-	A contribution to the bionomy of Culex	FORMULATIONS Nucleating for feast formulation. Drugg for votari
ing water of animals or for the treatment of food-	modestus Fic. (Diptera, Culicidae) in southern Moravia.	Nystatin for feed formulation. Drugs for veteri nary use, drug efficacy study implementation.
producing animals. Food additives permitted in	3855	4179
food for human consumption. Buquinolate.	FOOD PLANTS	FOXES
Payzone nitrovin-A new growth promoter for	Studies on the adult diapause of the broad bean	The natural occurrence of surra in the African
poultry. (Abstract).	weevil, Bruchus rufimanus.	longhaired fox.
4101		FRACTIONATION
Influence of dietary fat, soybean meal treatment	Study on attractant of the rice stem borer, Chilo suppressalis Walker.	Isolation and characterization of ribonucleic acid
and antibiotic supplementation on growth of chicks fed different carbohydrates.	3835	from Musca domestica (L.).
4120	The effect of diet on the physiology of the	STORE TRANSPORTATION
Notice of filing of petition for food additive	brown-tail moth, Euproctis chrysorrhoea L.	FREIGHT TRANSPORTATION Regulating the shipment of living peets
diethylstilbestrol.	(Lepidoptera, Liparidae).	Regulating the shipment of living pests pathogens and vectors.
4142	FOOD PRESERVATION	4345
Notice of filing of petition for food additives.	Irradiated food: FDA blocks AEC, Army	FRUIT
Notice of filing of notition for food additive	requests for approval.	Natural enemies of Laspeyresia pomonella L
Notice of filing of petition for food additive nitrodan.	FOOD PROCESSING	(Lepidoptera, Tortricidae) and the effect o chemical treatment on their useful activity.
4144	FOOD PROCESSING The levels of Type II infection (Marek's disease)	3819
Effect of methionine on a growth depression in-	in 8-week-old chickens processed at dressing	The training course of the European Plant Pro-
duced by supplementing a corn-soybean meal	plants. (Abstract).	tection Organization in England.

Reduction of shelf-life of fresh fryers due to in-fection with Escherichia coli prior to processing. 4287

4231

Are fertilizer programs related to fireblight and fruit disorders at harvest .

3933

Effect of methionine on a growth depression induced by supplementing a corn-soybean meal diet with lysine.

Cobalt and vitamin C for chicks. (Abstract).

Morphological variation in the sugarcane smut,

Reaction of tomato varieties against Alternaria

FRUIT CULTURE

Fruit disease problems and new approaches to

	their controls.	ostnago scitaminea Syd.	2020	solani and Cladosporium fulvum.	
	Disease and insect control in home orchards.	From the realm of microorganisms. S		A new leaf spot of para rubber (Hevea brasil	1935 lien
	New chemicals look good for weed control is Michigan orchards.	g on a crain of or plant interconguing	4026	sis) in Nigeria. Stem and root diseases of beans.	3936
	399	Collection of reports geven at the Inter Herbicide Conference, Prague, June	national	3	3941
	Brown rot control in Southern California.		4090	Problems around the incidence and contro Fusarium oxysporum in tulips.	
	Weed control in fruits and nuts. 407	Latent skin fungus infections in animals	and their	Phoma exigua Desm. and its varieties.	1943
	The effectiveness of the newer herbicides for the control of weeds in cultivated plants with speci-		4119	Resistance of dwarf-internode castor (Rici	1945 inus
	attention to weeds which are difficult to control ln: Collection of reports given at the International	A new antibiotic produced by a strain o		communis) to Verticillium wilt.	946
	tional Herbicide Conference, Prague, June 21 24, 1966.		4334	Dutch elm disease detected in Alabama.	947
FF	408 RUIT CULTURE	The effect of temperature on ascospore	release	Plant pathology field day.	949
	Plant protection. Bulletin of the plant diseas control station of Geneva. February.		3928	Discovery and distribution of Fusicoco	
	393 Plant protection. Bulletin of the plant disease	spece dispersal by selected erris lager berg	gii under		950
	control station of Geneva. August.		4007	Stem rust of wheat in Canterbury.	953
	Plant protection. Bulletin of the plant diseas control station of Geneva. September.		n South	A flower blight of chrysanthemum in So Florida.	outh
	393		3955	Diseases and parasites of the rose.	955
	Plant protection. Bulletin of the Plant Diseas Station of Geneva. March.	Peronospora on grapes in the period 196			956
	Plant protection. Bulletin of the Plant Diseas	e Fungicides for Arabica coffee 17relat	ionships	control.	957
	Station of Geneva. June.	· · · · · · · · · · · · · · · · · · ·	3967	Crown rust of oats in Canada in 1968.	
	Plant protection. Bulletin of the Plant Diseas Station of Geneva. October.	Efficacy of fungicides, hot water and ga	mma-ir-	Air-borne rust inoculum over western Canada	958 la in
	401 Plant protection. Bulletin of the Plant Diseas	noncue		1968. 39	962
	Station of Geneva. April.		3971 Link and	Chemical control of stripe smut in Merion K tucky bluegrass.	
	Gibberellin-induced asymmetric growth of appl fruits.	e its infectivity to plants and animals.	3973	The identity of Phyllactinia on winged elm	964 1 in
	431 Effect of seeded fruits and foliar-applied auxi		3988	Georgia.	965
	on seedless fruit set of pear the following year. 433	Field evaluation of some fungicides for co	ontrol of	Some observations on the late occurrence Peronospora on grapes in the period 1964-196	
	RUIT NURSERIES Index tests of certified and uncertified nurser	y The effect of different fungicides on the	4006		966
	fruit trees in Washington in 1968.	flora during the treatment of grape vines.		among some new fungicides, leaf rust (Hemil vastatrix), leaf fall and yield.	
	RUIT ROT Efficacy of fungicides, hot water and gamma-in	FUNGUS CULTURES			967
	radiation for control of postharvest fruit rots of papaya.	f	3945	by Ustilago striiformis var. agrostidis.	968
	JMIGATION 397	Studies of Leptosphaeria avenaria f. sp. on wheat in North Dakota.		Losses from fusarium stem rot caused by Fusa um roseum, in production of cuttings of car	ari-
	Tests on dry fumigation of potato seedling against Rhizoctonia disease.	rendes biseases (Annihaes)	3970	tion, Dianthus caryophyllus.	rna- 969
	402 Nematodes are destructive to your plants.	importance for the epidemiology of ann		Studies of Leptosphaeria avenaria f. sp. triticon wheat in North Dakota.	
	405		4119	39	970
	Fumigation and reuse of broiler litter. (Abstract). 422	to fungi.		Efficacy of fungicides, hot water and gamma radiation for control of postharvest fruit rots	
	JNGI	Disseminated geotrichosis in a dog.	4125		971
	Infection experiments with a fungus (Coelomo myces) which kills malarial mosquitoes. (ab		4182		972
	stract). 381	FUNCTIS DISEASES (DI ANTS)	4194	Biology of the fungus Aspergillus flavus Link a its infectivity to plants and animals.	
	Parasites of ladybirds (Coleoptera, Coccinel lidae) in Leningrad Province.	Supplement to the Plant Protection bullet	in. 3923	Fusarium wilt (race 2) of tomato: Calcium, p	973 pH,
	384 Larval feeding habits of certain Chloropida	Plant protection Pullatin of the plant		and micronutrient effects on disease development.	op-
	(Diptera). 388.	Plant and time Pulletin of the above	3930	Fruit disease problems and new approaches	974 to
	Electron microscope examination of ultra-thin sections of Streptomyces viridochromogenes fo		disease 3931	their controls.	975
	hyphal anastomoses.	-ant-alatation of Consus Sontombin		Virulence of various groups of loose smut of b ley, (Ustilago nuda (Jens.) Rostr.) physiologic	ical
	Plant protection in the heart of Europe. Austria contribution to the international fight against		3932	races in the light of anatomical investigations spring barley varieties different with regard to	re-
	plant pests and diseases and, through this, to the improvement of the food situation.	 Pseudomonas syringae infection of sweet fruit in Utah. 	cherry	sistance. I. Spreading of pathogene in host platissue.	ant

3911

Elements for a study on the needle-cast fungus of scotch pine Lophodermium pinastri (Schrad.)	From the realm of microorganisms. Some interesting structures of plant microorganisms.	tional Herbicide Conference, Prague, June 21-24, 1966.
Chev. Phenological study: fall of needles and development of hysterothecia.	4026	4081
3979	Hybrid corn yield reduction by stalk and root rot in Nebraska.	GALL-MAKING INSECTS Paratephritis transitoria Rhod. (Diptera,
The occurrence of the downy mildew disease of	4027	Tephritidae), a fly that forms galls on tassel
tobacco.	The rate of contamination in relation to the per- centage of infection in the parasitic diseases of	flowers in the Maritime Territory. 3833
Lophodermium durilabrum found on foxtail pine	plants.	The alternate generation of Callirhytis quercus-
in California.	Why is the disinfection treatment of corn seeds	suttonii (Bassett)(Hymenoptera: Cynipoidea). 4038
Melanose of citrus.	absolutely necessary.	GALLERIA MELLONELLA
3988 A race of Ustilago tritici virulent on Thatcher	4030	Phagocytic haemocytes in unfixed Galleria mel-
wheat and its derivatives.	Experiences with residue research in lettuce. 4291	lonella larvae. 3890
3989	An unexpected effect of benomyl on two gladio-	GAMMA GLOBULINS
Live oak in Mississippi infected by Endothia parasitica.	lus varieties.	A contribution to the prophylactic use of Gammatonin in calves.
3992	Stability of taxonomic characters in cultures of	4209
Virginia pine, a new host for Cronartium comandrae.	Diplodia and related genera as influenced by	GAMMA RAYS
3993	various carbon sources. (Abstract).	Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in
Effect of Sclerospora graminicola infection on	FURAZOLIDONE	the silkworm, Bombyx mori.
total nitrogen content and free amino acid composition of Bajra plants.	Effect of nitrofurazone and furazolidone on	3875
3995	reproduction in chickens.	Efficacy of fungicides, hot water and gamma-ir- radiation for control of postharvest fruit rots of
Fungal and bacterial diseases of crucifers and cu- curbits in western Ontario in 1967.	Influence on egg quantity and quality with	papaya.
3996	sorghum grain diets supplemented with corn oil	3971
Development of a new variety of tomato named	and/or furazolidone. (Abstract). 4223	The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery
Miguel pereira, with resistance to both Fusarium and Verticillium wilts.	A contribution to the salmonellosis of cattle and	mildew. II. A differentiated susceptibility of
3997	its therapy.	winter wheat zelazna variety to infection with powdery mildew (Erysiphe graminis F. tritici DC
Leaf rust of wheat in Canada in 1968.	FURYL)-BENZIMIDAZOLE, 2-(2-	March).
Resistance to benomyl in powdery mildew of cu-	Chemical control of stripe smut in Merion Ken-	4009
curbits.	tucky bluegrass.	Irradiation treatment on wiener sausage with
4003	FUSARIUM	gamma-ray. 4285
Field evaluation of some fungicides for control of leaf and stem rusts of wheat.	Fusarium wilt (race 2) of tomato: Calcium, pH,	GARDENS
4006	and micronutrient effects on disease develop- ment.	Insect control for garden vegetables 3916
Spore dispersal by Scleroderris lagerbergii under nursery and plantation conditions.	3974	GAS POISONING
4007	Development of a new variety of tomato named Miguel pereira, with resistance to both Fusarium	Contribution to the study of hydrogen sulfide
The effect of low doses of gamma irradiation	and Verticillium wilts.	poisoning of domestic animals. 4311
upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of	3997	GASTRITIS
winter wheat zelazna variety to infection with	Hybrid corn yield reduction by stalk and root rot in Nebraska.	Chronic follicular hypertrophic-hyperplastic gas-
powdery mildew (Erysiphe graminis F. tritici DC March).	4027	tritis in a dog.
4009	An unexpected effect of benomyl on two gladio-	GASTROINTESTINAL DISEASES
Plant protection. Bulletin of the Plant Disease Station of Geneva. March.	lus varieties.	Chronic follicular hypertrophic-hyperplastic gas-
4010	FUSARIUM MONILIFORME	tritis in a dog.
Plant protection. Bulletin of the Plant Disease Station of Geneva. June.	Fungus diseases of cotton seedlings in Egypt.	GASTROINTESTINAL SYSTEM
4011	FUSARIUM OXYSPORUM	The effect of various biogenic amines on the ac-
Plant protection. Bulletin of the Plant Disease	Problems around the incidence and control of	tivity of the foregut of the cockroach, Blaberus giganteus.
Station of Geneva. October.	Fusarium oxysporum in tulips. 3943	3811
Plant protection. Bulletin of the Plant Disease	Fungus diseases of cotton seedlings in Egypt.	Salt and water transport by the in vitro cockroach midgut.
Station of Geneva. April. 4013	3972	3870
Brown rot control in Southern California.	FUSARIUM ROSEUM Losses from fusarium stem rot caused by Fusari-	Food additives permitted in feed and drinking
4015	um roseum, in production of cuttings of carna-	water of animals or for the treatment of food- producing animals. Coumaphos.
Wild species as a source of resistance to diseases.	tion, Dianthus caryophyllus.	4274
Occurrence of Cronartium comptoniae in the	FUSARIUM SOLANI PHASEOLI	Further studies on the anthelmintic activity of 1-
Maritime Provinces.	Stem and root diseases of beans.	tetramisole against gastro-intestinal helminths in sheep.
4018 Possibilities for Botrytis cinerea control, espe-	3941 FUSICOCCUM ELAEAGNI	4279
cially in tomatoes.	Discovery and distribution of Fusicoccum	Studies on the epizootology of gastrointestinal helminths in calves.
Occurrence of Epholis on rice variety IP 9 and	canker of Russian olive in Illinois. 3950	4281
Occurrence of Ephelis on rice variety IR-8 and cotton grass in India.	GADUSAN	GEOMETRIDAE
4020	Tests on laboratory animals and on tubercular	Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera).
Tests on dry fumigation of potato seedlings against Rhizoctonia disease.	cows in order to determine the value of the mor- ruato cupric colloidal (gadusan) in the in-	3762
4023	tradermal reaction.	GEOTRICHUM CANDIDUM
Illustrative scales for the evaluation of potato	CALILIM ADADINE	Disseminated geotrichosis in a dog. 4182

Susceptibility of coastal form and central Montana Douglas-fir to Arceuthobium douglasii.

4025

The effectiveness of the newer herbicides for the

control of weeds in cultivated plants with special attention to weeds which are difficult to control. In: Collection of reports given at the Interna-

GERM-FREE LIFE

Pathogenesis of infectious synovitis gnotobiotic chickens. (Abstract).

GIBBERELLINS

GIBBERELLINS Gibberellin-induced asymmetric growth of apple fruits. 4318	GRAPE VINEYARDS Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967.	HAEMOPHILUS Observations on septicemia of cattle caused by a Haemophilus-like organism. 4211
Hormonal regulation in higher plants. 4319 Reduction of preharvest drop and water spot of	Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the	HALO BLIGHT Plant pathology field day. 3949
navel oranges in Southern California. 4331 Chemical regulators in horticulture.	International Herbicide Conference, Prague, June 21-24, 1966.	HALOACETANILIDE, ALPHA Phytotoxic alpha-halo-acetanilides. Patent 3,442,945.
GLADIOLUS 4333	GRAPES A mite of the genus Tydeus (Acariformes,	HAMSTERS 4340
An unexpected effect of benomyl on two gladio- lus varieties. 4321	Tydeidae) that is a grape pest in Moldavia. 3846 Virus diseases and the selection of grapes.	Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828).
GLOMERELLA LINDEMUTHIANUM Supplement to the Plant Protection bulletin. 3923	3937 The present state of grape culture virus research. 3948	HARVESTING Are fertilizer programs related to fireblight and fruit disorders at harvest.
GLYCEMIA Glycemia in dogs. 4184	Some observations on the late occurrence of Peronospora on grapes in the period 1964-1966.	3933 HAY
GLYCERIDES Effect of dietary lipids upon the lipase, pan-	Breeding and propagation of virus-free grapes in hydroponic cultures.	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba.
creatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Ab- stract).	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone.	HEART DISEASES Digitalin metabolism in cardiac insufficiency of the dog.
GLYCEROL	4298	4307
Factors affecting the oxidation of glycerol-I- phosphate by insect flight-muscle mitochondria. 3815 GLYCOPROTEINS	Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299	HELICOPTERS Field observations on effectiveness of maleic hydrazide applied to onions by helicopter. 4327
The conjugated plasma proteins in adult females of Periplaneta americana (L.) under starvation and other stress.	The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329	HELIOTHIS ZEA Corn earworm threatens snapbeans. 4031
3788	GRASSES	HELMINTHS
Insects and mites of livestock and in farm buildings.	A new genus and two new species of Cecidomyiidae associated with Pariana spp. (Gramineae) in South America (Diptera). 3749	Further studies on the anthelmintic activity of 1- tetramisole against gastro-intestinal helminths in sheep.
3792	A new species of Antonina Signoret from South	4279
Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood. 4305	Dakota with new records for A. boutelouae Parrott (Homoptera: Coccoidea: Pseudococcidae).	Studies on the epizootology of gastrointestinal helminths in calves. 4281
GONADS	Distribution and host range of maize dwarf mosa-	HEMAGGLUTINATION
Changes in gonads and primary sexual characters in triploid intersexes of Drosophila melanogaster	ic virus in Virginia. 3998	Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract). 4108
(Diptera) exposed to the effect of different temperatures. 3842	Chemical control of annual bluegrass as related to vertical mowing. 4091	HEMAGGLUTINATION-INHIBITION TEST Hemagglutination inhibiting antibodies to ar-
GONODONTA OBESA Taxonomic and nomenclatural notes on Gonodonta obesa (Walker)(Lepidoptera: Noc-	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba.	boviruses in the population of Hajdu-Bihar District, Hungary. 4167
tuidae).	4295	HEMATOLOGIC DISEASES
GOSSYPOL Evaluation of cottonseed soapstocks in broiler	GRAZING Ragwort.	Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows.
diets. (Abstract).	GREENHOUSE CULTURE Infection experiments with a fungus (Coelomo-	HEMATOLOGY 4152
GRAIN Crop rotation hygiene in grain cultures. 3912	myces) which kills malarial mosquitoes. (abstract).	The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract).
A void yellow dwarf virus by late sowing.	The tobacco mosaic virus (TMV) in the nutritive	4104 Hematology of an inherited anemia in the
Autumn weed control for continuous cereal growers.	solution of the tomato hydroponous culture. 4014 GREGARINIDA	domestic fowl. 4256
4069 Perennial bindweeds.	Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province.	The anaemia of acute and chronic ovine fascioliasis. 4280
4074 The effectiveness of the newer herbicides for the	GROWTH FACTORS 3844	HEMILEIA VASTATRIX
control of weeds in cultivated plants with special attention to weeds which are difficult to control. In: Collection of reports given at the Interna-	Notice of filing of petition for food additives. 4143 GRYLLOTALPA HEXADACTYLA	Fungicides for Arabica coffee 17relationships among some new fungicides, leaf rust (Hemileia vastatrix), leaf fall and yield. 3967
tional Herbicide Conference, Prague, June 21-24, 1966.	The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis.	HEMOGLOBIN Molecular order of participation of inhibitors (or
The influence of herbicides on the morphology	3896	activators) in biological systems.
of cereal cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.	GUINEA PIGS Determination of the virulence of the Mycobacterium tuberculosis by the fluorescence method.	HEPTACHLOR Damages done to beet seeds by the forest mouse
GRAMOXONE 4320	HABITATS 4248	(Apodemus sylvaticus). 4092
Further test of the control of Avena fatua in sugar beets.	The insect fauna in the burrows of the long- clawed mole-vole, a Caucasian endemic species.	Effects of heptachlor and nicotine on the barbels of a catfish (Heteropneustes fossilis).
4079	3845	4310

HERBICIDE APPLICATION	HERRIC	CIDE A	APPLIC	ATION
-----------------------	--------	--------	--------	-------

The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method.

HERBICIDE RESIDUES

The lasting influence of triazines and the effect of herbicide mixtures in the treatment of corn. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba.

2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances.

Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin.

HERRICIDES

New chemicals look good for weed control in Michigan orchards.

Further research on the control of Echinochloa

in rice fields.

Chemical weed control in irrigation channels and

Defoliation effects on forest ecology.

4062

The development of chemical weed control in ornamental plants in fields.

The lasting influence of triazines and the effect of herbicide mixtures in the treatment of corn. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.

4064 Controlling weeds in tobacco with benefin.

4065

Autumn weed control for continuous cereal growers. 4069

Weed control in fruits and nuts.

Weed control in vegetables.

4070

4071

Corn marigold (goldings, yellow oxeye, yellow bottle).

Chemical weed control in potato (Solanum tuberosum L.). A review.

New herbicides for controlling weeds in upland

4076

Defoliation effects on forest ecology.

The effectiveness of the newer herbicides for the control of weeds in cultivated plants with special attention to weeds which are difficult to control. In: Collection of reports given at the Interna-tional Herbicide Conference, Prague, June 21-

4080

Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.

Effective methods for the use of herbicides in combination with the mineral fertilizers. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.

Herbicides in the perspectives of 20 months and 20 years. 4089

Harmlessness of herbicides for the biocenosis. In: Collection of reports geven at the International Herbicide Conference, Prague, June 21-24,

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba.

The influence of herbicides on the morphology of cereal cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.

4320

Halobenzyl carbamates. Patent 3,442,892. 4336

Process for the production of substituted triazines. Patent 3,428,636. 4337

HEREDITARY DISEASES

Hematology of an inherited anemia in the domestic fowl. 4256

HEREDITY

Hereditary nature of the two forms of Argyro-gramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).

HESPERIIDAE

Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski.

HETERAKIS GALLINAE

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous against histomoniasis and effect of feed levels on growth in turkeys. (Abstract).

HETERAKIS GALLINARUM

Efficacy of several drugs for control of poultry nematodes. (Abstract).

4272

4056

4047

HETERODERA GLYCINES

Survival of the soybean cyst nematode in seed 4049

Nine varieties of southern peas resistant to the soybean cyst nematode. 4050

HETERODERA ROSTOCHIENSIS

Golden nematode found in Delaware.

HETEROPTERA

Fauna of the Heteroptera on town neopedon of the Prague periphery. 3767

HEVEA BRASILIENSIS

A new leaf spot of para rubber (Hevea brasiliensis) in Nigeria.

HIBERNATION

Changes in the composition of lipids and fatty acids in adult Culex tarsalis and Anopheles freeborni during the overwintering period. 3871

Overwintering of Meloidogyne incognita in southwestern Ontario.

HISTOLOGY

Innervation of the gut of the migratory locust, Locusta migratoria L. (Orthoptera, Acrididae).

HISTOMONAS MELEAGRIDIS

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract).

HISTOPATHOLOGY

Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (Cervus elaphus).

HISTORY

The importance of applied entomology for Austrian plant protection.

HOG CHOLERA

Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum.

4132

Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae).

cide chemicals in or on raw agricultural com-

3876

HOPS Tolerances and exemptions tolerances for pesti-

HORMONES

modities. Trifluralin.

The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein the sex-specific accumulation of a chining female house-flies (Musca domestica L.).

Juvenile hormone: Activity of aromatic terpenoid ethers.

The anabolic steroids and their use in veterinary therapeutics.

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl.

Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations.

4186

4309

4312

Insects and mites of livestock and in farm buildings.

Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation.

On the structure of horse influenza virus. A contribution to the ultrastructure of influenza

Proceedings of the American College of Veterinary Toxicologists, 1967.

Locoweed toxicity in horses.

HOST INDEXING (PLANTS)

Letters on leaf miners.

3752 Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and

Aphidiidae.

Distribution and host range of maize dwarf mosaic virus in Virginia. 3998

A new virus disease of Carica papaya in India 4005

The San Jose scale a pest of ornamental shrubs. 4033

HOST RELATIONSHIPS

To the fauna of ixodid ticks of Mongolia.

3744

Investigations on the development of Aegyptianella pullorum Carpano, 1928, in the soft tick Argas (Persicargas) persicus.(Oken, 1818) by means of fluorescent antibodies.

Minimum time for development and life span of metacercariae.

The finding of Gongylonema pulchrum Molin, 1857 (Nematoda) in man.

4278

HOUSEHOLD PESTS

Controlling household pests.

3790

HUMAN DISEASES

Comparative studies of American and African Trypanosomiasis.

Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses.

HUMANS

Hemagglutination inhibiting antibodies to ar- boyiruses in the population of Hajdu-Bihar Dis-	Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae).	means of the immuno- and acridine orange fluorescence.
trict, Hungary.	3876	4266
Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infec-	New species of Hypera (Coleoptera, Curcu-	Occurrence of Ephelis on rice variety IR-8 and
tions in man.	lionidae) from the Crimean Mountains. 3787	cotton grass in India. 4020
The importance of brucellosis infection in regard to human health.	HYPERGLYCEMIA The hyperglycaemic activity of the corpus allatum in an insect.	IMPORT CONTROL The plant protection import controls in Bavaria. 3918
Fish as observed hosts of Ascaridstheir sig- nificance in regard to man's health.	ICHNEUMONIDAE The neotropic species of Xanthopimpla	INCLUSION BODIES Light and electron microscope investigations on the formation of the oocyst wall in Eimeria spe-
An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric	(Hymenoptera: Ichneumonidae). 3782 ILLUSTRATIONS	cies (Eimeria perforans, É. stiedae, and E. tenella). 4229
ester. 4277	Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski.	INDEXING Index tests of certified and uncertified nursery
The finding of Gongylonema pulchrum Molin, 1857 (Nematoda) in man.	Diseases and parasites of the rose.	fruit trees in Washington in 1968.
Toxocariasis in man and animals.	3956	INDIA
4282	Illustrative scales for the evaluation of potato scab and Rhizoctonia infection.	Reaction of tomato varieties against Alternaria solani and Cladosporium fulvum.
HUMANS The animal adenoviruses.	4024	3935
Some recent aspects of veterinary toxicology:	Now can you spot those weeds. 4059	INFECTIOUS BURSAL AGENT The infectious bursal agent and pathology of the disease. (Abstract).
Attempted comparison with human toxiocology. 4316	Weeds mean waste Know your weeds and how to control them.	4131
HUMIDITY	4066 IMMUNITY	INFECTIOUS SYNOVITIS Pathogenesis of infectious synovitis in
Effect of storage on cottonseed and cottonseed products.	Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized in-	gnotobiotic chickens. (Abstract). 4165
Plant injury by air pollutants: Influence of hu-	sect larvae.	INFLAMMATION
midity on stomatal apertures and plant response to ozone.	3856 Biochemistry of plant immunity and dormancy as	A case of bilateral polycystic kidneys in a cat. 4137
HYDRANGEA 4326	the foundation for the crop protection against diseases and germination.	INFLUENZA Epizootiology of influenza in turkeys. (Ab-
Investigations on hydrangea ring spot virus and proof of its presence in Italy.	3985 Effects of early and late inoculation of maize	stract). 4157
3942	dwarf mosaic virus strain A and B on shelled	Pathogenesis of and recovery from respiratory
HYDROCHLORIC ACID Further studies on the anthelmintic activity of 1-	grain yields of susceptible and resistant maize segregates of a three-way hybrid.	syncytial and influenza infections in ferrets. 4215
tetramisole against gastro-intestinal helminths in sheep.	4001 Resistance to benomyl in powdery mildew of cu-	INHIBITORS Molecular order of participation of inhibitors (or
HYDROGEN SULFIDE	curbits.	activators) in biological systems. 4339
Contribution to the study of hydrogen sulfide poisoning of domestic animals.	Wild species as a source of resistance to diseases. 4016	INJECTIONS A contribution to the prophylactic use of Gam-
4311 HYDROGEN-ION CONCENTRATION	Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract).	matonin in calves.
Fusarium wilt (race 2) of tomato: Calcium, pH,	4111	Effect of spectinomycin on experimentally in-
and micronutrient effects on disease development.	Evaluation of various bird-resistant and non-re- sistant varieties of grain sorghum for use in	duced Arizona group infection in turkeys. (Abstract).
HYDROPONICS	broiler diets. 4139	4265 INORGANIC COMPOUNDS
The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture.	Factors related to immunity of chickens to coccidiosis. (Abstract).	Environmental nitrates and animal health. 4315
HYDROXYNAPHTHALIMIDE DIETHYL	Studies on acute Marek's disease. 9. Resistance	INSECT ADAPTATION Studies on the adult diapause of the broad bean
PHOSPHATE, N Efficacy of several drugs for control of poultry	to MD by inoculation with the GA isolate.	weevil, Bruchus rufimanus.
nematodes. (Abstract).	Role of the cuticle in egg spoilage. (Abstract).	INSECT ANATOMY
HYGIENE Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize).	IMMUNIZATION Comparative studies of American and African	Three species of Mexican Krombeinia having an elongated tegula with an extended apical angle (Hymenoptera: Tiphiidae).
HYMENOPTERA 4141	Trypanosomiasis.	3793 Structure and function of the giant fibre system
The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae).	Progress of the Soviet virology in foot-and-mouth disease studies.	in the cockroach, Periplaneta americana.
3773 Sphecoidea from the Ryukyus and Formosa	The epizootiological importance of foot-and-	Record of the moth ear mite, Dicrocheles phalaenodectes, in Ohio (Acarina: Mesostig-
(Hymenoptera). 3783	mouth disease carriers. II. The carrier status of cattle exposed to foot-and-mouth disease follow-	mata). 3865
Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province.	ing vaccination with an oil adjuvant inactivated virus vaccine.	INSECT BEHAVIOR Insects and physiology; essays presented to Sir
3844	4191	Vincent Wigglesworth, CBE, MD, FRS on his
The insect fauna in the burrows of the long- clawed mole-vole, a Caucasian endemic species. 3845	Heterologous immunity in avian hosts infected with Plasmodium relictum and Plasmodium lophurae.	retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in the University of Cambridge.
Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and	4232 IMMUNOFLUORESCENCE Studies on several strains of pseudorabies (Au-	3800 Photoperiodism in the honey bee, Apis mellifera L. (Hymenoptera, Apidae).
Aphidiidae.	Studies on several strains of pseudorables (Au-	L. (Hymenoptera, Apidae).

Studies on several strains of pseudorabies (Au-jeszky) virus showing different virulence by

3853

Natural enemies of Laspeyresia pomonella l (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity.	of
The forage plants of Rhagades pruni Schiff.	9
Some biological notes on Bombus ignitus Smit with special reference to the nest structure	th
(Hym. Apidae).	
Review of the parasitic Diptera of the gent Eriothrix meigen (Diptera, Tachinidae) in the USSR. 383	ne
Parasites of ladybirds (Coleoptera, Coccine lidae) in Leningrad Province.	·l-
A mite of the genus Tydeus (Acariforme Tydeidae) that is a grape pest in Moldavia.	
The behavior of adults of abundant species of caddisflies (Trichoptera) in the tributaries of Lake Sevan.	of j
Food sources of some mosquito species in the natural focus of Tahyna virus in souther Moravia.	ne
385	4
Biting midges of the genus Culicoides Mg. (Dip tera, Ceratopogonidae) from the Valley of the Middle Reaches of the Desna.	p- ie
Larval feeding habits of certain Chloropida	٠,
(Diptera).	
Mating and oviposition behavior of the coffe leaf miner, Leucoptera coffeella (Lepidoptera Lyonetiidae).	ee
Honeybees: Do they use direction and distance	
information provided by their dancers.	
NSECT BIOCHEMISTRY	
New data on accumulation of S35 and Ru106 bdragonfly nymphs (Odonata).	•
382	
Changes in the composition of lipids and fatt acids in adult Culex tarsalis and Anophele freeborni during the overwintering period. 387	es
Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpilla Malacosoma neustria testacea.	ie
388	_
Incorporation of palmitate-I-C14 into lipids of the blowfly during flight.	
NSECT BIOLOGY A survey of leaf-miners and their parasites o	
Laburnum. 379	
Studies on the life history and biological contro of the spittlebug, Clastoptera undulata Uhle	
(Cercopidae: Hemiptera).	_
Description of the larva of Parena (Parena) per forata (Bates), with some notes on its life histor (Carabidae).	у
Paratephritis transitoria Rhod. (Diptera Tephritidae), a fly that forms galls on tasse flowers in the Maritime Territory. 383	a, el
Leaf beetle larvae of the subfamily Eumolpina and of Syneta betulae F. (Coleoptera, Chrysomelidae).	e e-
New data on the biology of caddisflies (Trichop tera, Limnephilidae, Apataniinae) of Lake Bai cal. I. Life span and mass flight of adults.)-
385 The behavior of adults of abundant species of	of
caddisflies (Trichoptera) in the tributaries of	of

Lake Sevan.

Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae.	E d
3856 Lipids of Drosophila: A newly detected lipid in the male.	E B e
The peach twig borer and its control.	A
Bloodwormspests of rice.	p
Raspberry moth.	Т.
NSECT CONTROL Disease and insect control in home orchards.	INS
NSECT DIETS 3983	N H
The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.). 3804	S. D. C.
NSECT DISEASES	re
Investigations on the development of Aegyptianella pullorum Carpano, 1928, in the soft tick Argas (Persicargas) persicus. (Oken, 1818) by means of fluorescent antibodies. 3822	INS S
Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae.	Ir V re
NSECT ECOLOGY	d tl
Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski.	F
The colonization of Lake Constance with Chironomidae.	N
Ecological and systematic investigations of the	ca
Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. 3766	Ir th
Fauna and ecology of mosquitoes in the southern part of the Moscow district. 3770	INS C T
The entomology of the Isle of Rhum National Nature Reserve.	, T
3775 Studies on the insect fauna on Scotch broom	ti gi
Sarothamnus scoparius (L.) Wimmer.	C st
Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgogard Province.	C
A contribution to the bionomics and morphology of Rhadinoceraea reitteri Knw. with a descrip-	fc M
tion of the larva. (Hym., Tenthredinidae).	H
Photoperiodism in the honey bee, Apis mellifera L. (Hymenoptera, Apidae).	L th
Occurrence of the species Trichocladius trifascia Edwards (Chironomidae, Diptera) in the Danube.	T: sp m
European species of the genus Myospila Rond. (Dipt., Muscidae).	Ti
Faunal and ecological study on the families Nycteribiidae and Streblidae (Dipt., Pupipara) of the	of H
Nangahar Province (Eastern Afghanistan).	gr tu
Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel	Sa
flowers in the Maritime Territory.	D C
The insect fauna in the burrows of the long- clawed mole-vole, a Caucasian endemic species.	re

Effects of apholate on the bionomics of Musca domestica nebulo Fabr.
3866
Distribution of seed beetles (Coleoptera,
Bruchidae) in the forest-steppe zone of the East-
ern Ukraine.
3869
A contribution to the study of the pemphigose of
poplars and its pathogen Pamphigus spirothecae.
4035
Ticks of the National Reactor Testing Station.
4267
Mallophaga of domestic chickens from Cuba.
4268
INSECT EVOLUTION
Meiosis in the male of Puto albicans (Coccoidea-
Homoptera).
3894
Salivary gland chromosome variation in the
Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five
related species.
3899
INSECT FLIGHT
Studies on the insect fauna on Scotch broom
Sarothamnus scoparius (L.) Wimmer.
3784
Insects and physiology; essays presented to Sir
Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his
retirement from the Quick Chair of Biology and
directorship of the Unit of Insect Physiology in
the University of Cambridge.
3800
Factors affecting the oxidation of glycerol-l-
phosphate by insect flight-muscle mitochondria. 3815
New data on the biology of caddisflies (Trichop-
tera, Limnephilidae, Apataniinae) of Lake Bai- cal. I. Life span and mass flight of adults.
3851
Incorporation of palmitate-1-C14 into lipids of
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the ac-
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (ab-
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyro-
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noc-
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae). 3898 Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae). 3898 Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae). 3898 Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species.
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892 INSECT GENETICS Climate and the phylogeny and distribution of Tabanidae. 3746 The effect of various biogenic amines on the activity of the foregut of the cockroach, Blaberus giganteus. 3811 Control systems in insect development. (abstract). 3872 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893 Meiosis in the male of Puto albicans (Coccoidea-Homoptera). 3894 Lipids of Drosophila: A newly detected lipid in the male. 3895 The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A micromanipulation analysis. 3896 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897 Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae). 3898 Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species.

3855

A contribution to the bionomy of Culex modestus Fic. (Diptera, Culicidae) in southern Moravia.

51

INSECT GEOGRAPHY

	Mutation rates and mortalities after X-irradia- tion of the early development stages of Droso-	INSECT METABOLISM Insect metabolism of photoaldrin and photodiel-	An autosomal recessive gene in Pyrrhocoris. 3903
	phila melanogaster. 3902	drin. 3837	INSECT NAMES Morpho-systematic studies on Collembola Part
	An autosomal recessive gene in Pyrrhocoris.	INSECT MORPHOLOGY Geographic distribution of the ant genus For-	Oi. Materials to a revision of the genus Lepido- cyrtus Bourlet, 1839 (Entomobryidae s. l.).
	Notes on the chromosomes of two species of cockroaches.	mica (Hymenoptera: Formicidae).	3778 INSECT NUTRITION
	3904	The larva of Carabus (Hygrocarabus Thoms.)	The conjugated plasma proteins in adult females
	Genetics of organophosphate resistance in the two-spotted spider mite (Tetranychus urticae	variolosus variolosus Fabr. and its position in the larval system of genus Carabus L. (Coleoptera,	of Periplaneta americana (L.) under starvation and other stress.
	Koch). 3905	carabidae).	3788 The forage plants of Rhagades pruni Schiff.
	Relative viability of heterozygotes and	Acalypta pulchra sp. n A new species of Tin- gidae from Bulgaria. (Heteroptera, Tingidae).	3828
	homozygotes with respect to the irradiated chromosome in Drosophila melanogaster.	3776	Size independent secretion by the corpus allatum of Calliphora erythrocephala.
	3906 Heterogeneity in the Trinidad DDT-RE-	A survey of leaf-miners and their parasites on Laburnum.	3843 The effect of diet on the physiology of the
	SISTANT strain and the QS susceptible strain of Aedes aegypti L. The isolation of highly resistant	Insects and physiology; essays presented to Sir	brown-tail moth, Euproctis chrysorrhoea L. (Lepidoptera, Liparidae).
	and highly susceptible substrains.	Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and	3861
()	NSECT GEOGRAPHY	directorship of the Unit of Insect Physiology in	Larval feeding habits of certain Chloropidae (Diptera).
	To the fauna of ixodid ticks of Mongolia. 3744	the University of Cambridge.	3885 The effect of the amount of blood taken and ad-
U	NSECT HISTOLOGY Vitamin A deficiency: Effect on retinal structure	A contribution to the bionomics and morphology of Rhadinoceraea reitteri Knw. with a descrip-	ditional carbohydrate nutrition on oogenesis in females of blood-sucking mosquitoes of the
	of the moth, Manduca sexta.	tion of the larva. (Hym., Tenthredinidae).	genus Aedes (Diptera, Culicidae) of various weights and ages.
	Comparative studies of the development of	Studies on the life history and biological control	3886
	Plasmodium cynomolgi bastianellii in Anopheles stephensi and A. albimanus.	of the spittlebug, Clastoptera undulata Uhler (Cercopidae: Hemiptera).	INSECT OUTBREAK FORECASTING Is it possible to predict apple moth infestations.
	3860 Control systems in insect development. (ab-	3802 Structure and development of the imaginal wing	3868 The present state of research and of the control
	stract).	discs of larva in a holometabolous insect, Bombyx mori (Lepidoptera, Bombycidae).	of rice pests.
U	NSECT IDENTIFICATION	3806	The importance of applied entomology for Aus-
	Notes on the Chrysomelidae from Taiwan I. 3755	On the determination of age structure of the larvae of Tendipedidae (Diptera).	trian plant protection.
	Solierella nitraria sp. n. (Hym., Sphecidae).	3813 Changes in soluble proteins during foot-pad	INSECT PESTS What the practitioner should know about
	A contribution to the genus Mantis Linne and	development in Sarcophaga bullata.	arthropods.
	Paramantis, nov. (Mantidae).	Studies on the adult diapause of the broad bean	Studies on the insect fauna on Scotch broom
	A new species of Penthetria from Japan (Diptera, Bibionidae).	weevil, Bruchus rufimanus. 3830	Sarothamnus scoparius (L.) Wimmer. 3784
	3769	A description of the developmental stages of Ctenophora guttata Wied, and a review of the	Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgogard
	On the identity of 'Dasythorax ogasawarae Matsumura' (Lepidoptera, Noctuidae, Cucullinae).	Czechoslovak species of the genus Ctenophora (Dipt., Tipulidae).	Province. 3795
	The neotropic species of Xanthopimpla	3847	Natural enemies of Laspeyresia pomonella L.
	(Hymenoptera: Ichneumonidae).	The influence of photoperiod and temperature on the induction of diapause in mulberry pyralid,	(Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity.
	Sphecoidea from the Ryukyus and Formosa	Glyphodes pyloalis Walker. 3858	A mite of the genus Tydeus (Acariformes,
	(Hymenoptera).	Study of the morphogenesis of the maxillary stylet of Rhodnius prolixus by transplantations of	Tydeidae) that is a grape pest in Moldavia.
	A new species of Eriococcus infesting American beach-grass in North Carolina (Homoptera: Coc-	incomplete stylogenetic organs.	Controlling insects and other pests with
	coidea).	Control systems in insect development. (ab-	phosphonothioates. Patent 3,428,655.
	Studies of neotropical caddis flies. VIII: The im-	stract). 3872	Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and
	mature stages of Barypenthus claudens (Trichoptera: Odontoceridae).	Bembecia pectinata Stgr. and its first stages. (Lepidoptera, Sesiidae).	Aphidiidae. 3853
	3818 European species of the genus Myospila Rond.	Phylogenetic relationships within the	On the effect of combined action of pathogenic
	(Dipt., Muscidae).	Rhopalocera on the basis of the functional morphology of the genital apparatus.	microorganisms and insecticides upon insects. 3884
	Description of the larva of Parena (Parena) per-	3878	Problem insects in 1967 - how to control them in 1968.
	forata (Bates), with some notes on its life history (Carabidae).	Effect of rearing condition on growth and development of the silkworm, Bombyx mori L.,	3891 Plant protection in the heart of Europe. Austrias
	A description of the developmental stages of	on artificial diet. ll.	contribution to the international fight against plant pests and diseases and, through this, to the
	Ctenophora guttata Wied. and a review of the Czechoslovak species of the genus Ctenophora	An electron microscope study of thoracic mitochondriac membranes in developing adults	improvement of the food situation.
	(Dipt., Tipulidae).	of the blowfly Lucilia cuprina.	Crop rotation hygiene in grain cultures.
	Record of the moth ear mite, Dicrocheles	Hereditary nature of the two forms of Argyro-	3912 Insect control for garden vegetables.
	phalaenodectes, in Ohio (Acarina: Mesostigmata).	gramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).	3916
	Notes on the parasites of the root aphids	3898 INSECT MUTATION	The plant protection import controls in Bavaria. 3918
	(Hymenoptera, Aphidiidae).	Mutation rates and mortalities after X-irradia- tion of the early development stages of Droso-	Microbes and chemicals against plant pests. 3919
	Some important aspects of cotton insect control. 4044	phila melanogaster.	Stretch your pest control dollars.
	4044	3302	3,22

3753

	Supplement to the Plant Protection bulletin. 3 The present state of research and of the corr	3923	On ocular regeneration in Lithobius forficatus L. (Myriopoda Chilopoda).	INSECT POPULATIONS The colonization of Lake Constance with Chironomidae.
	of rice pests.	3924	Effects of long-term cardiatectomy-allatectomy	3765
	On the value of our birds.		on mitochondrial respiration in the cockroach, Blaberus discoidalis. 3836	Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of
	Plant protection. Bulletin of the plant disc	3927 ease	Insect metabolism of photoaldrin and photodiel-	the northern foothills of the Alps.
	control station of Geneva. February.	3930	drin. 3837	3766 Remarks on fluctuations in density of Carabidae
	Plant protection. Bulletin of the plant discontrol station of Geneva. August.		Studies on sex pheromones of Pyralididae. Changes in the quality of the sex pheromone in	populations. 3824
	Plant protectic. Bulletin of the plant disc	3931 ease	the female almond moth, Cadra cautella Walker (Phycitinae).	Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and
	control station of Geneva. September.	3932	3841 Changes in gonads and primary sexual characters	Aphidiidae. 3853
	Diseases and parasites of the rose.	3956	in triploid intersexes of Drosophila melanogaster (Diptera) exposed to the effect of different tem-	Specificity of population-aggregating pheromones in Dendroctonus.
	Disease and insect control in home orchards.		peratures. 3842	3863 On the effect of combined action of pathogenic
	The peach twig borer and its control.	3983	Size independent secretion by the corpus allatum	microorganisms and insecticides upon insects.
	4	1032	of Calliphora erythrocephala.	INSECT PROTECTIVE DEVICES
	Bloodwormspests of rice.	1037	The use of attractants in pest control. 2. Sex attractants.	Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized in-
	The oleander scale, Pseudaulacaspis pentag (Targ.), (Homoptera, Coccidae) in Bermuda		3848	sect larvae.
	4	1043	Fundamental properties of intensity, form, and motion perception in the visual nervous systems	Honeybees: Do they use direction and distance
	Regulating the shipment of living per pathogens and vectors.		of Calliphora, phaenicia and Musca domestica. 3849	information provided by their dancers. 3889
•	NSECT PHYSIOLOGY	1345	New data on the biology of caddisflies (Trichop-	INSECT REARING Studies on sex pheromones of pyralididae. II.
.,	The conjugated plasma proteins in adult fem of Periplaneta americana (L.) under starva		tera, Limnephilidae, Apataniinae) of Lake Baical. I. Life span and mass flight of adults. 3851	Mass rearing of virgin females of the almond moth, Cadra cautella Walker (Phycitinae).
	and other stress.	3788	Comparative studies of the development of	3880 Effect of rearing condition on growth and
	Pinocytosis during vitellogenesis in the m worm, Tenebrio molitor L. (Coleopt		Plasmodium cynomolgi bastianellii in Anopheles stephensi and A. albimanus. 3860	development of the silkworm, Bombyx mori L., on artificial diet. II.
	Tenebrionidae).	3789	The effect of diet on the physiology of the	3882
	The excitation of insect skeletal muscles.	3791	brown-tail moth, Euproctis chrysorrhoea L. (Lepidoptera, Liparidae).	Hereditary nature of the two forms of Argyrogramma albostriata (Bremer and Grey) (Noctuidae, Plusiinae).
	Reminiscence in the cold flour beetle (Tene	ebrio	Specificity of population-aggregating	3898 INSECT RESPIRATION
		3794	pheromones in Dendroctonus. 3863	Effects of long-term cardiatectomy-allatectomy
	Insects and physiology; essays presented to Vincent Wigglesworth, CBE, MD, FRS on retirement from the Quick Chair of Biology	n his	Innervation of the gut of the migratory locust, Locusta migratoria L. (Orthoptera, Acrididae).	on mitochondrial respiration in the cockroach, Blaberus discoidalis. 3836
	directorship of the Unit of Insect Physiolog the University of Cambridge.		Salt and water transport by the in vitro	INSECT TAXONOMY Studies on the Crambinae (Lepidoptera). Part
	3	3800	cockroach midgut.	44. New Neotropical genera and species.
	Juvenile hormone: Activity of aromatic te noid ethers.	erpe-	Changes in the composition of lipids and fatty	Preliminary check-list of Neotropical Crambinae.
		3805	acids in adult Culex tarsalis and Anopheles freeborni during the overwintering period.	3741 New Perilampidae (Hymenoptera: Chalci-
	The effect of various biogenic amines on the tivity of the foregut of the cockroach, Blab	erus	Section of late embryo on	doidea).
		3811	Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, Bombyx mori.	Contribution to the fauna of the Congo (Braz-
	On the determination of age structure of the vae of Tendipedidae (Diptera).		3875	zaville). Mission of A. Villiers and A. Descarpentries. XLV. Coleoptera Ochodaeidae.
	Temperature and circadian control of cu	3813	The hyperglycaemic activity of the corpus allatum in an insect.	3745 Climate and the phylogeny and distribution of
	growth on the bug, Oncopeltus fasciatus.		3877	Tabanidae. 3746
	Factors affecting the oxidation of glycero	3814 ol-1-	Rhopalocera on the basis of the functional	Catalog of the Coleoptera of Angola.
	phosphate by insect flight-muscle mitochond		morphology of the genital apparatus. 3878	3747 Three new records of the genus Phanaeus from
	Structure and function of the giant fibre sys		Effect of rearing condition on growth and development of the silkworm, Bombyx mori L.,	Georgia (Coleoptera: Scarabaeidae).
	in the cockroach, Periplaneta americana.	3817	on artificial diet. II.	A new genus and two new species of Cecido-
	New data on accumulation of S35 and Ru10 dragonfly nymphs (Odonata).		An electron microscope study of thoracic mitochondriac membranes in developing adults	myiidae associated with Pariana spp. (Gramineae) in South America (Diptera).
	Changes in soluble proteins during foot-	3820 -pad	of the blowfly Lucilia cuprina.	A new click beetle of the genus Agriotes Esch.
	development in Sarcophaga bullata.	3821	Honeybees: Do they use direction and distance	(Coleoptera, Elateridae) from Soviet central Asia.
	Early morphogenesis of tumours induced	i by	information provided by their dancers.	3751
	Nosema acridophagus in Melanoplus guinipes.	san-	Phagocytic haemocytes in unfixed Galleria mel-	Letters on leaf miners. 3752
	3	3827	lonella larvae.	The larva of Carabus (Hygrocarabus Thoms.)
	Physiological and ultrastructural study of corpora allata of Locusta migratoria L. (Ortl		Incorporation of palmitate-1-C14 into lipids of	variolosus variolosus Fabr. and its position in the larval system of genus Carabus L. (Coleoptera,
	tera) in the gregarious phase.	2021	the blowfly during flight.	carabidae).

3831

INSECT TRAPS

A new species on neotropical seed weevil affecting pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae).	Materials to the knowledge of the scale insects fauna of Yugoslavia (Homoptera, Coccoidea). 3786	producing animals. Food additives permitted in food for human consumption. Buquinolate. 429
A new species of Antonina Signoret from South Dakota with new records for A. boutelouae Par-	New species of Hypera (Coleoptera, Curculionidae) from the Crimean Mountains. 3787	Tolerances and exemptions from tolerances fo pesticide chemicals in or on raw agricultura commodities. Food additives. Phosalone.
rott (Homoptera: Coccoidea: Pseudococcidae). 3757	Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae).	4298 DDT residues in beef cows fed apple pomace.
Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski.	3876 INSECT TRAPS	INSECTICIDE RESISTANT INSECTS
On the status of Cresson's Stenophasmus species from Cuba (Hymenoptera: Braconidae: Doryc-	Use of freshwater sponge in case construction of Limnephilus species (Trichoptera: Limnephilidae).	Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees.
tinae).	Mexican fruit containment.	380;
The palearctic species of Megatoma Herbst (Coleoptera, Dermestidae).	Ticks of the National Reactor Testing Station.	Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists.
3760	4267	3859
Taxonomy and distribution of the palearctic Nemapogon species (Lepidoptera, Tineidae). 3761	INSECT VECTORS Food sources of some mosquito species in the natural focus of Tahyna virus in southern	Changes in insecticide sensitivity in the bear weevil Acanthoscelides obtectus Say, brough about by induced pigment formation.
Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera).	Moravia. 3854	386 Genetics of organophosphate resistance in the
Solierella nitraria sp. n. (Hym., Sphecidae).	Comparative studies of American and African Trypanosomiasis.	two-spotted spider mite (Tetranychus urticae Koch).
3763	3908	3905
South American Cochylidae (Lepidoptera) from the collection of the British Museum (Natural History).	Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967.	Heterogeneity in the Trinidad DDT-RE SISTANT strain and the QS susceptible strain o Aedes aegypti L. The isolation of highly resistan and highly susceptible substrains.
Ecological and systematic investigations of the	The present state of grape culture virus research.	3907
Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of	3948 A new virus disease of Carica papaya in India.	INSECTICIDES Studies on the increment of the efficacy of insec
the northern foothills of the Alps. 3766	4005	ticides (IX). On the synergistic action o pyrethrosin with pyrethroid.
A contribution to the genus Mantis Linne and Paramantis, nov. (Mantidae).	Transmission of the virus component of the ragi (Eleusine coracana) disease-complex in Mysore,	3826 Controlling insects and other pests with
3768	India. 4028	phosphonothioates. Patent 3,428,655.
A new species of Penthetria from Japan (Diptera, Bibionidae).	Plant virus diseases in Turkey which are trans- mitted by insect vectors.	3850 The toxic action of a mixture of gamma-BHC
On necturnal darkling heatles of the genus	4036	and EDB to Cryphalus fulvus Niijima. Studies or the control of forest pests. V.
On nocturnal darkling beetles of the genus Melanesthes Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan.	Aphids and virus in north Canterbury wheat, 1965-66 season.	On the effect of combined action of pathogenic
3772	4040 Insecticide granules and virus in autumn-sown	microorganisms and insecticides upon insects.
The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae).	wheat.	3884 Problem insects in 1967 - how to control them in
3773	4041 Hemagglutination inhibiting antibodies to ar-	1968.
Collembola fauna of Malta. 3774	boviruses in the population of Hajdu-Bihar District, Hungary.	3891 Disease and insect control in home orchards.
The entomology of the Isle of Rhum National	4167	3983
Nature Reserve. 3775	Isolation of the tick-borne encephalitis virus from the squirrel Sciurus vulgaris.	The peach twig borer and its control. 4032
Acalypta pulchra sp. n A new species of Tin- gidae from Bulgaria. (Heteroptera, Tingidae).	4168	Insecticide granules and virus in autumn-sowr wheat.
3776	The natural occurrence of surra in the African longhaired fox.	4041
On the identity of 'Dasythorax ogasawarae Matsumura' (Lepidoptera, Noctuidae, Cuculliinae).	4236 The finding of Gongylonema pulchrum Molin,	A note on the nematicidal properties of 'Sevin'. 4051
Morpho-systematic studies on Collembola Part	1857 (Nematoda) in man.	Effects of heptachlor and nicotine on the barbels
0i. Materials to a revision of the genus Lepido-	4278 Regulating the shipment of living pests,	of a catfish (Heteropneustes fossilis). 4310
cyrtus Bourlet, 1839 (Entomobryidae s. l.).	pathogens and vectors.	INSECTS Letters on leaf miners.
Three new species of Eriophyid mites (Acariformes: Eriophyidae, Rhyncaphytoptidae)	INSECTICIDE APPLICATION	3752
from Poland. 3779	Problem insects in 1967 - how to control them in 1968.	Controlling household pests. 3790
Taxonomic and nomenclatural notes on	Corn earworm threatens snapbeans.	Insects and mites of livestock and in farm buildings.
Gonodonta obesa (Walker)(Lepidoptera: Noctuidae).	4031	3792
New distribution records for Meropleon titan	The appearance of beet aphids in 1966.	Harmlessness of herbicides for the biocenosis. In: Collection of reports geven at the International
Todd (Cepidoptera: Noctuidae). 3781	Some important aspects of cotton insect control. 4044	Herbicide Conference, Prague, June 21-24, 1966.
The neotropic species of Xanthopimpla (Hymenoptera: Ichneumonidae).	INSECTICIDE RESIDUES Notice of filing of petition regarding pesticide chemicals.	4090 INSPECTION (AGRICULTURAL PRODUCTS) The levels of Type II infection (Marek's disease)
Sphecoidea from the Ryukyus and Formosa	4293 O-isopropoxyphenol methylcarbamate. Notice	in 8-week-old chickens processed at dressing plants. (Abstract).
(Hymenoptera). 3783	of establishment of temporary tolerance for	4231
A new species of Eriococcus infesting American	pesticide chemical. 4294	INSULIN Contribution to the study of the treatment of
beach-grass in North Carolina (Homoptera: Coccoidea).	Food additives permitted in feed and drinking	bovine ketosis.
3785	water of animals or for the treatment of food	4200

3975

INTEGRATED CONTROL (INSECTS) On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884	ISOLATES Morphological variation in the sugarcane smut, Ustilago scitaminea Syd. 3920	LARVAE The larva of Carabus (Hygrocarabus Thoms.) variolosus variolosus Fabr. and its position in the larval system of genus Carabus L. (Coleoptera,
INTERNATIONAL COOPERATION The training course of the European, Plant Pro-	Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk. 4288	carabidae).
tection Organization in England. 3914 INTERSTATE COMMERCE	ISOMERS The efficacy of trans and cis vitamin A. (Ab-	Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgogard Province.
Duck virus enteritis (duck plague). Interstate movement.	stract).	3795
4110	ISOPROPOXYPHENYL N-METHYLCARBA- MATE, 2-	A contribution to the bionomics and morphology of Rhadinoceraea reitteri Knw. with a descrip-
Intestines Innervation of the gut of the migratory locust,	O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for	tion of the larva. (Hym., Tenthredinidae).
Locusta migratoria L. (Orthoptera, Acrididae).	pesticide chemical. 4294	Structure and development of the imaginal wing discs of larva in a holometabolous insect, Bom-
Intestinal histology of vitamin A deficient chicks. (Abstract).	IXODIDAE To the fauna of ixodid ticks of Mongolia.	byx mori (Lepidoptera, Bombycidae).
4113 Lymphoepithelial tissues of the intestine and dif-	3744	On the determination of age structure of the lar-
ferentiation of antibody production.	IXODIDES Ticks of the National Reactor Testing Station.	vae of Tendipedidae (Diptera). 3813
Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract).	KALE 4267	Description of the larva of Parena (Parena) per- forata (Bates), with some notes on its life history
4251	Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale	(Carabidae). 3825
A study of oesophagostomiasis, encountered in young buffaloes of Casertano.	anaemia in lactating cows. 4152	Leaf beetle larvae of the subfamily Eumolpinae and of Syneta betulae F. (Coleoptera, Chrysome-
INTRADERMAL ALLERGIC TEST	KETOSIS Sodium propionate. Drugs for veterinary use;	lidae). 3840
Tests on laboratory animals and on tubercular cows in order to determine the value of the mor-	drug efficacy study implementation. 4175	A description of the developmental stages of Ctenophora guttata Wied, and a review of the
ruato cupric colloidal (gadusan) in the intradermal reaction.	Contribution to the study of the treatment of bovine ketosis.	Czechoslovak species of the genus Ctenophora (Dipt., Tipulidae).
IODOPHORS 4115	KIDNEY BEANS	3847
Effect of an iodophor on shelf life of poultry. (Abstract).	Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response	Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized in- sect larvae.
IPS TYPOGRAPHICUS	to ozone.	3856
Mortality of mature beetles Ips typographus (L.) (Col., Scolytidae) in the galleries and its causes. 3799	KIDNEYS Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorp-	Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, Malacosoma neustria testacea.
IRON Animal food composition. Patent 3,428,457.	tion with homogenized mouse kidney. 4124	3881 Larval feeding habits of certain Chloropidae
4159 Use of chicks to measure availability of iron.	A case of bilateral polycystic kidneys in a cat. 4137	(Diptera).
(Abstract).	KROMBEINIA EVANSI Three species of Mexican Krombeinia having an	Phagocytic haemocytes in unfixed Galleria mel-
Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-	elongated tegula with an extended apical angle (Hymenoptera: Tiphiidae).	lonella larvae. 3890 Bloodwormspests of rice.
bred chicks.	KROMBEINIA NAYARITA	4037
IRON ISOTOPES Influence of various chelating agents on absorp-	Three species of Mexican Krombeinia having an elongated tegula with an extended apical angle (Hymenoptera: Tiphiidae).	Brief communication on the occurance of thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic.
tion of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	3793	4273 LASIOCAMPIDAE
The anaemia of acute and chronic ovine	KROMBEINIA VERACRUZAE Three species of Mexican Krombeinia having an elongated tegula with an extended apical angle	Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar,
fascioliasis. 4280	(Hymenoptera: Tiphiidae).	Malacosoma neustria testacea. 3881
IRRADIATION Effect of gamma-irradiation of late embryo on	LABELING Populating the chipment of living parts	LEAF MINERS
the growth of silkglands and on silk production in the silkworm, Bombyx mori.	Regulating the shipment of living pests, pathogens and vectors.	Letters on leaf miners. 3752
3875	LABORATORY ANIMALS	LEAF RUST Air-borne rust inoculum over western Canada in
Mexican fruit containment. 3879	Tests on laboratory animals and on tubercular cows in order to determine the value of the mor-	1968.
Mutation rates and mortalities after X-irradiation of the early development stages of Drosophila melanogaster.	ruato cupric colloidal (gadusan) in the intradermal reaction. 4115	3962 Fungicides for Arabica coffee 17relationships among some new fungicides, leaf rust (Hemileia
3902	LABURNUM A survey of leaf-miners and their parasites on	vastatrix), leaf fall and yield.
Relative viability of heterozygotes and homozygotes with respect to the irradiated chromosome in Drosophila melanogaster.	Laburnum. 3797	Leaf rust of wheat in Canada in 1968.
The effect of low doses of gamma irradiation	LACTATION Kale anaemia in ruminants. I. Survey of the	Field evaluation of some fungicides for control of
upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of	literature and experimental induction of kale anaemia in lactating cows.	leaf and stem rusts of wheat. 4006
winter wheat zelazna variety to infection with	4152	LEAF SPOT A new leaf spot of para rubber (Hevea brasilien-
powdery mildew (Erysiphe graminis F. tritici DC March).	LAMBS Adipose tissue in calves and lambs. 4107	sis) in Nigeria.
Irradiated food: FDA blocks AEC, Army	LAMPRONIA RUBIELLA	Fruit disease problems and new approaches to
requests for approval.	Raspberry moth.	their controls.

4286

4148

LEAVES

LEAVES	LEUKOSIS	Disinfection in parasitoses.
Leaf beetle larvae of the subfamily Eumolpinae	Investigations on the occurrence of bovine leu-	4148
and of Syneta betulae F. (Coleoptera, Chrysomelidae).	kosis in the county of Oldenburg, including the city of Delmenhorst and the metropolitan area of	Effect of dietary lipids upon the lipase, pan-
3840	Oldenburg.	creatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Ab-
Aglaonema pictum, a new host of Erwinia	4254	stract).
chrysanthemi.	LIFE CYCLE Significance of the parasite Aphidius ervi	4261
LEGISLATION	Haliday (Braconidae, Hymenoptera in con-	LIRIOMYZA Letters on leaf miners.
The importance of applied entomology for Aus-	trolling the density of population of	3752
trian plant protection.	Acyrthosiphon pisum Harris. 3839	LIVER
3926	A contribution to the study of the pemphigose of	Lymphoepithelial tissues of the intestine and dif-
New ways for organizing the cooperation	poplars and its pathogen Pamphigus spirothecae.	ferentiation of antibody production.
between plant protection services and apicul- turists.	4035	4213 Investigation of the residues of two antibiotics of
3929	LIGHT	the macrolide family (oleandomycin and spira-
The first maximum dosage regulation for plant	Insect metabolism of photoaldrin and photodieldrin.	mycin) in the tissues of chickens receiving
protection preparations in the Federal Republic	3837	anibiotic feed supplements. 4301
of Germany.	Electrifying agriculture and horticulture.	LIVESTOCK
LEGS	3921	Insects and mites of livestock and in farm
Relationship of biotin to leg weakness in turkeys.	LIGHT TRAPS The use of attractants in past central 2. Sex at	buildings.
(Abstract).	The use of attractants in pest control. 2. Sex attractants.	3792
LEPIDOPTERA	3848	Notes on toxicology: The clover. 4122
Papilionoidea and Hesperioidea (Lepidoptera)	LIMNEPHILIDAE	Hygiene and animal diseases in Deux-Sevres (re-
of the virgin forest of Bialowieski.	Use of freshwater sponge in case construction of Limnephilus species (Trichoptera: Limne-	gion of Coulonges-sur-l'Autize).
3758	philidae).	4141
South American Cochylidae (Lepidoptera) from	3810	Contribution to the study of hydrogen sulfide
the collection of the British Museum (Natural History).	LIMNOLOGY	poisoning of domestic animals. 4311
3764	Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A	LIVESTOCK DISEASES
Supplementary communication concerning the	contribution to the lake chironomide fauna of	22 plants poisonous to livestock in the Western
occurrence of Caradrina kadenii Frr. (Lep.Noct.) in Switzerland.	the northern foothills of the Alps. 3766	United States. 4109
3771	LINARIA VULGARIS	Enterotoxaemia of calves evoked by Clostridium
A survey of leaf-miners and their parasites on	Now can you spot those weeds.	perfringens type B.
Laburnum.	4059	4114
Bembecia pectinata Stgr. and its first stages.	LINDANE The toxic action of a mixture of samma PHC	Tests on laboratory animals and on tubercular
(Lepidoptera, Sesiidae).	The toxic action of a mixture of gamma-BHC and EDB to Cryphalus fulvus Niijima. Studies on	cows in order to determine the value of the mor- ruato cupric colloidal (gadusan) in the in-
3873	the control of forest pests. V.	tradermal reaction.
LEPTOSPHAERIA	3857	4115
Studies of Leptosphaeria avenaria f. sp. triticea on wheat in North Dakota.	Diseases and parasites of the rose. 3956	Contribution to the study of bovine mastitis due to fungi.
3970	Raspberry moth.	4125
LEPTOSPIRA	4039	Ovine genital brucellosis. Epididmytis of the ram
Purification, ultrastructure, and composition of axial filaments from Leptospira.	Some remarks on plant protection preparation-	(Brucella ovis). The utilization of a new antigen for the complement fixation test and intradermal
4188	tolerances. 4292	reaction.
LEPTOSPIROSIS	LINOLEIC ACID	4126
Leptospirosis in Argentina. Diffusion, morbidity	Reproductive abnormalities in hens deficient in	Leptospirosis in Argentina. Diffusion, morbidity
and nosological map. 4127	linoleic acid. (Abstract).	and nosological map. 4127
LESIONS	The linoleic acid requirement of the hen for	Biochemical research on hog cholera. Behavior
The pathology of avian osteodystrophy. (Ab-	reproduction. (Abstract).	of some enzymatic activities in the serum.
stract).	4192	4132
4136 Studies on acute Marek's disease. 9. Resistance	LINURON The lasting influence of triazines and the effect	Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize).
to MD by inoculation with the GA isolate.	of herbicide mixtures in the treatment of corn.	4141
4147	In: Collection of reports given at the Interna-	Disinfection in parasitoses.
Pathogenesis of infectious synovitis in	tional Herbicide Conference, Prague, June 21-24, 1966.	4148
gnotobiotic chickens. (Abstract).	4064	Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale
LETTUCE	LIPASES	anaemia in lactating cows.
Longidorus africanus a pathogen of head lettuce	Effect of dietary lipids upon the lipase, pan- creatic cholesterol esterase, plasma triglyceride	4152
in the Imperial Valley of southern California.	and total plasma lipids level in the chick. (Ab-	Towards the eradication op bovine tuberculosis. 4172
Experiences with residue research in lettuce.	stract). 4261	Embryostat (oxytetracycline powder). Drugs for
4291	LIPIDS	veterinary use, drug efficacy study implementa-
LEUCINE	The conjugated plasma proteins in adult females	tion. 4173
Growth depressing effect of excess leucine in	of Periplaneta americana (L.) under starvation and other stress.	Sodium propionate. Drugs for veterinary use;
relation to the amino acid composition of the diet. (Abstract).	3788	drug efficacy study implementation.
4187	Changes in the composition of lipids and fatty	4175
LEUCOPTERA COFFEELLA	acids in adult Culex tarsalis and Anopheles	Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation.
Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera:	freeborni during the overwintering period. 3871	4176
Lyonetiidae).	Incorporation of palmitate-1-C14 into lipids of	Ovarian cysts in cattle and its therapy with
3888	the blowfly during flight.	Gestafortin and prolan preparations. 4186
C -type viral particles in plasma of cats with	Lipids of Drosophila: A newly detected lipid in	The epizootiological importance of foot-and-
feline leukemia.	the male.	mouth disease carriers. II. The carrier status of
4164	3895	cattle exposed to foot-and-mouth disease follow-

LOPHODERMIUM PINASTRI

ing vaccination with an oil adjuvant inactivated

LOPHODERMIUM DURILABRUM
Lophodermium durilabrum found on foxtail pine in California.

3986

3827

MELANOPLUS SANGUINIPES
Early morphogenesis of tumours induced by
Nosema acridophagus in Melanoplus san-

MALEIC HYDRAZIDE

	virus vaccine.	4191	scotch pine Lophodermium pinastri (Schrad.)	hydrazide applied to onions by helicopter.
	The mycotic abortions in the cow.	1.01	Chev. Phenological study: fall of needles and development of hysterothecia.	4327
		4194	3979	MALIC ACID Oxidation of D-malic and beta-alkylmalic acids
	Contribution to the study of the treatment bovine ketosis.		LUCILIA CUPRINA An electron microscope study of thoracic	by wild-type and mutant strains of Salmonella ty- phimurium and by Aerobacter aerogenes.
		4200	mitochondriac membranes in developing adults	4240
	A survey of Brucella infection of cattle in A comparison of four serological tests		of the blowfly Lucilia cuprina. 3887	MALLOPHAGA Mallophaga of domestic chickens from Cuba.
	diagnosis of infection.	4202	LUNGS	4268
	Epithelial changes in porcine ex		Experiments on the loss of Dictyocaulus filaria	MALPIGHIAN TUBES
	epidermitis; the light-microscopical pictu		from the lungs of infected sheep. II. The demonstration of worms in the bronchial spare mucus. 4276	Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, Malacosoma neustria testacea.
	A contribution to the prophylactic use of	of Gam-	Proceedings of the American College of Veteri-	3881
	matonin in calves.	4209	nary Toxicologists, 1967.	MAMMALS Estrogenic activity of o,p'-DDT in the mam-
	Observations on septicemia of cattle caus	sed by a	LYMANTRIIDAE	malian uterus and avian oviduct.
	Haemophilus-like organism.	4211	The effect of diet on the physiology of the	MANDUCA SEVIA
	mit a star of a talkanda ta atas and tan	4211	brown-tail moth, Euproctis chrysorrhoea L. (Lepidoptera, Liparidae).	MANDUCA SEXTA Vitamin A deficiency: Effect on retinal structure
	Epizootics of trichinosis in pigs and its with anti-rat procedures using warfarin.	relation	3861	of the moth, Manduca sexta.
	with anti-rat procedures using warrarin.	4227	LYMPH NODES	3807
	The importance of brucellosis infection in to human health.	n regard	Lymphoepithelial tissues of the intestine and dif- ferentiation of antibody production.	MANTIDAE A contribution to the genus Mantis Linne and
	to naman nountin	4237	4213	Paramantis, nov. (Mantidae).
	A contribution to the salmonellosis of ca	ttle and	LYONETIIDAE A survey of leaf-miners and their parasites on	MASS SPECTRA
	its therapy.		Laburnum.	A new antibiotic produced by a strain of Asper-
		4243	3797	gillus flavipes.
	Investigations on the occurrence of boy		Mating and oviposition behavior of the coffee	4334
	kosis in the county of Oldenburg, included ity of Delmenhorst and the metropolitar	ding the	leaf miner, Leucoptera coffeella (Lepidoptera:	MASTITIS Containution to the study of houing mostific due
	Oldenburg.	i alea oi	Lyonetiidae).	Contribution to the study of bovine mastitis due to fungi.
		4254	LYSINE	4125
	Symposium on Brucellosis in Ireland. I. B	rucello-	Effect of methionine on a growth depression in-	MATRICARIA INODORA
	sis: Bacteriology and epidemiology. II. B		duced by supplementing a corn-soybean meal	Effective methods for the use of herbicides in
	sis: Serological diagnosis. III. Vaccines a cellosis.	and bru-	diet with lysine.	combination with the mineral fertilizers. In: Collection of reports given at the International Her-
	cellosis.	4260	Cottonseed meal, lysine, and methionine for	bicide Conference, Prague, June 21-24, 1966.
	The anaemia of acute and chronic	ovine	layers. (Abstract).	4085
	fascioliasis.		4219	MATSUCOCCUS FEYTAUDI
		4280	Lysine requirement of the growing chick. (Ab-	The attraction to Pissodes notatus (Col. Curculionidae) of the wounds formed by Matsuococ-
	Studies on the epizootology of gastroir	ntestinal	stract).	cus feytaudi Duc. (Hom. Coccoidea) on
	helminths in calves.	4281	Imbalanced lysine feeds for starting or growing	maritime pine.
	Comparative toxicology of organic and in		chicks.	MAZZARD CHERRIES
	arsenicals in swine.	iorgamie	4234	MAZZARD CHERRIES Pseudomonas syringae infection of sweet cherry
		4306	Low lysine diets for rearing replacement pullets.	fruit in Utah.
	Locoweed toxicity in horses.		(Abstract).	3934
		4312	Lysine levels on chick growth and nitrogen	MCINTOSH DEPRESSION VIRUS
I	IZARDS	ntocara	utilization. (Abs:ract).	A transmissible fruit-depression disease of McIntosh apples.
	The oleander scale, Pseudaulacaspis pe (Targ.), (Homoptera, Coccidae) in Berm	ntagona	4264	3991
	(1415.), (110moptera, eoccidae) in Berni	4043	MACROPHAGES	MEAT
I	OCUSTA MIGRATORIA		Penetration and development of Eimeria maxima	Size independent secretion by the corpus allatum
	Physiological and ultrastructural study		sporozoites and the static effect of decoquinate. (Abstract).	of Calliphora erythrocephala. 3843
	corpora allata of Locusta migratoria L. (Orthop-	4128	DDT residues in beef cows fed apple pomace.
	tera) in the gregarious phase.	3831	MAGNESIUM	4302
	Innervation of the gut of the migratory		Influence of various chelating agents on absorp-	MEGATOMA
	Locusta migratoria L. (Orthoptera, Acrid	lidae).	tion of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	The palearctic species of Megatoma Herbst
		3864	4105	(Coleoptera, Dermestidae).
I	ODGING		Dietary magnesium requirement of the laying	MEIOSIS
	Lodging resistance in wheat. II. Identific superior genetic stocks.	ation of	hen. (Åbstract).	Meiosis in the male of Puto albicans (Coccoidea-
	superior gonetic stocks.	3977	MAGNESIUM SULFATE	Homoptera).
I	LONGIDORUS AFRICANUS		Changes in insecticide sensitivity in the bean	The non-random chromosome segregation in
	Longidorus africanus a pathogen of head		weevil Acanthoscelides obtectus Say, brought	spermatocytes of Gryllotalpa hexadactyla. A
	in the Imperial Valley of southern Califor	nia. 4054	about by induced pigment formation. 3867	micromanipulation analysis.
1	LOOSE SMUT	4034	MALACOSOMA NEUSTRIA	Chromosomou of the expedite finance
	Virulence of various groups of loose smu	t of bar-	Origin of oxalic acid in Ca oxalate crystals in the	Chromosomes of the cereal leaf beetle.
	ley, (Ustilago nuda (Jens.) Rostr.) physi	iological	malpighian tubes of the tent caterpillar,	MELANESTHES
	races in the light of anatomical investiga		Malacosoma neustria testacea. 3881	On nocturnal darkling beetles of the genus
	spring barley varieties different with rega sistance. I. Spreading of pathogene in ho		MALATHION	Melanesthes Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan.
	tissue.	ost plant	Two types of carboxyesterase degrading	from central Kazaknstan.

Insect control for garden vegetables.

Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists.

3859

3916

guinipes.

MELANOSE

MELANOSE Melanose of citrus. 3988	lection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.	The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture.
MELDANE Efficacy of several drugs for control of poultry	4085 Current status of methods for identifying pesticides, a survey. (JPRS 32,031)	From the realm of microorganisms. Some interesting structures of plant microorganisms.
nematodes. (Abstract).	4303 Field observations on effectiveness of maleic	MICROSCOPY 4026
MELENGESTROL ACETATE Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract).	hydrazide applied to onions by helicopter. 4327 The use of the pre-emergence herbicide Avadex	Epithelial changes in porcine exudative epidermitis; the light-microscopical picture. 4208
MELOIDOGYNE HAPLA Life cycle and reproduction of Meloidogyne hapla on potato.	and Avadex BW in the band spraying method. 4343 METHOXYCHLOR	MICROSPORIDIA Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province.
4052	Insect control for garden vegetables. 3916	MICROTERYS CLAUSENI
MELOIDOGYNE INCOGNITA Overwintering of Meloidogyne incognita in southwestern Ontario. 4047	Low temperature sprays for Dutch elm disease control.	Microterys clauseni Compere (Hym.: Encyrtidae).
MENADIONE	METHYL BROMIDE Soil fumigation at Boskoop.	MILK Insects and mites of livestock and in farm
The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract).	3925	buildings.
MEROPLEON TITAN New distribution records for Meropleon titan	Fumigation and reuse of broiler litter. (Abstract).	Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk.
Todd (Cepidoptera; Noctuidae).	METHYL ISOTHIOCYANATE Soil fumigation at Boskoop.	4288 Investigation to determine the respective residue
MESOSTIGMATA	3925	amounts of DDT and its analogues in the milk and back fat of selected dairy animals.
Record of the moth ear mite, Dicrocheles phalaenodectes, in Ohio (Acarina: Mesostig-	METHYL-4-CHLOROPHENOXY)BUTYRIC ACID, 4-(2-	4300
mata). 3865	Perennial bindweeds.	MILK ANALYSIS Investigation to determine the respective residue
METABOLISM The anabolic steroids and their use in veterinary therapeutics.	METHYL-4-CHLOROPHENOXYACETIC ACID,	amounts of DDT and its analogues in the milk and back fat of selected dairy animals.
4099	Ragwort. 4073	MILK FEVER
Oxidation of D-malic and beta-alkylmalic acids by wild-type and mutant strains of Salmonella ty-	Perennial bindweeds. 4074	Milk fever in the dog. 4262
phimurium and by Aerobacter aerogenes. 4240	METHYLACETOPHENONE, 4'	MINERALS Effective methods for the use of herbicides in
Strontium metabolism in hens. (Abstract). 4258	Study on attractant of the rice stem borer, Chilo suppressalis Walker.	combination with the mineral fertilizers. In: Collection of reports given at the International Her-
Digitalin metabolism in cardiac insufficiency of	3835 METHYRIDINE	bicide Conference, Prague, June 21-24, 1966.
the dog. 4307	Efficacy of several drugs for control of poultry nematodes. (Abstract).	The influence of antibiotics on mineral metabol-
The influence of antibiotics on mineral metabolism.	4272	ism. 4313
METACERCARIA 4313	METRITIS Embryostat (oxytetracycline powder). Drugs for	MITES What the practitioner should know about
Minimum time for development and life span of metacercariae.	veterinary use, drug efficacy study implementa- tion.	arthropods.
4270	MICE 4173	Insects and mites of livestock and in farm
METAMORPHOSIS Structure and development of the imaginal wing	Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorp-	buildings. 3792
discs of larva in a holometabolous insect, Bombyx mori (Lepidoptera, Bombycidae). 3806	tion with homogenized mouse kidney. 4124	A mite of the genus Tydeus (Acariformes, Tydeidae) that is a grape pest in Moldavia. 3846
METHANOL Low temperature sprays for Dutch elm disease control.	Toxoplasma infection: Some factors possibly contributing to the mechanism of toxoplasmic infection.	MITOCHONDRIA Factors affecting the oxidation of glycerol-1-
3957	The animal adenoviruses.	phosphate by insect flight-muscle mitochondria. 3815
METHIONINE Effect of energy-protein balance, energy intake	4217	Effects of long-term cardiatectomy-allatectomy on mitochondrial respiration in the cockroach,
and methionine on growth and body composition of ducklings. (Abstract). 4140	MICROBIOLOGY Observations on septicemia of cattle caused by a Haemophilus-like organism.	Blaberus discoidalis. 3836
Effect of methionine on a growth depression in-	MICRONUTRIENTS 4211	An electron microscope study of thoracic mitochondriac membranes in developing adults
duced by supplementing a corn-soybean meal diet with lysine. 4151	Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease develop-	of the blowfly Lucilia cuprina. 3887
Sulfur amino acid requirement of laying hens. (Abstract).	ment. 3974	MITOSIS Endomitosis in the mealy bug, Planococcus citri
4156 Cottonseed meal, lysine, and methionine for	Micronutrients: The secret of better yields for farmers.	(Homoptera: Coccoidea).
layers. (Abstract).	The effects of increasing molybdenum rates on	Chemical regulators in horticulture. 4333
Specificity of the chick's requirement for choline. (Abstract).	building of dry material of clover. 4322	MOLECULES Molecular order of participation of inhibitors (or
METHODOLOGY 4221	MICROORGANISMS Mortality of mature beetles lps typographus (L.)	activators) in biological systems.
Comparative studies of American and African Trypanosomiasis.	(Col., Scolytidae) in the galleries and its causes.	MOLYBDENUM
3908	On the effect of combined action of pathogenic	Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought
Effective methods for the use of herbicides in combination with the mineral fertilizers. In: Col-	microorganisms and insecticides upon insects. 3884	about by induced pigment formation.

Effective methods for the use of herbicides in combination with the mineral fertilizers. In: Col-

The effects of increasing molybdenum building of dry material of clover.	rates on
ounding of dry material of clover.	4322

MONKEYS

The animal adenoviruses.

4217

Early morphogenesis of tumours induced by Nosema acridophagus in Melanoplus sanguinipes.

Contribution to the study of oligosporic Actinomycetes. I. Description of a new species of Actinobifida: Actinobifida alba sp. nov. and revision of the genus.

Purification, ultrastructure, and composition of axial filaments from Leptospira.

On the structure of horse influenza virus. A contribution to the ultrastructure of influenza

4235

MORTALITY

Mortality of mature beetles Ips typographus (L.) (Col., Scolytidae) in the galleries and its causes

On the effect of combined action of pathogenic on the effect of combined detection microorganisms and insecticides upon insects.

3884

22 plants poisonous to livestock in the Western United States.

Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147

Fumigation and reuse of broiler litter. (Ab-

stract).

Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Ab-

Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate am-

monia entering through the portal blood.

MOSAIC

Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infec-

Some observations on the shape and localization of different viruses in experimentally infected plants, and on the fine structure of the host cells. IV:ABABIS mosaic virus in Petunia hybrida

Broad-bean stain and true broad-bean mosaic

3960

Multiplication of tobacco mosaic virus in suspension culture of tobacco cells.

Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotiana xanthi n. c.

The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture.

Transmission of the virus component of the ragi (Eleusine coracana) disease-complex in Mysore, Ìndia.

MOTHS

Problem insects in 1967 - how to control them in

MOUTH PARTS

Study of the morphogenesis of the maxillary stylet of Rhodnius prolixus by transplantations of incomplete stylogenetic organs. 3862

MOWING

Chemical control of annual bluegrass as related to vertical mowing.

MURAMIDASE

Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae.

MUSCA DOMESTICA

Isolation and characterization of ribonucleic acid from Musca domestica (L.).

The effect of essential amino acid deficiency on the sex-specific accumulation of a observation for a base in female house-flies (Musca domestica L.). the sex-specific accumulation of a blood protein

Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid. Fundamental properties of intensity, form, and motion perception in the visual nervous systems

of Calliphora, phaenicia and Musca domestica.

types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists.

Effects of apholate on the bionomics of Musca domestica nebulo Fabr.

3866

MUSCIDAE

European species of the genus Myospila Rond. (Dipt., Muscidae).

3823

MUSCLES

The excitation of insect skeletal muscles.

3791

Factors affecting the oxidation of glycerol-Iphosphate by insect flight-muscle mitochondria.

MUSCULAR DYSTROPHY

Dietary amino acids and muscular dystrophy. (Abstract).

MUSKMELONS

Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967.

3996

MUTATION

Oxidation of D-malic and beta-alkylmalic acids by wild-type and mutant strains of Salmonella typhimurium and by Aerobacter aerogenes.

4240

MYCOBACTERIUM AVIUM

Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170

MYCOBACTERIUM TUBERCULOSIS

Determination of the virulence of the Mycobacterium tuberculosis by the fluorescence method

Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk 4288

MYCOLOGY

From the realm of microorganisms. Some interesting structures of plant microorganisms.

4026

The mycotic abortions in the cow.

4194

MYCOPLASMA

The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract).

MYCOPLASMA GALLISEPTICUM

Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract).

The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract).

4134

The effect of added energy on induced Mycoplasma gallisepticum infection in broilers.

MYCOPLASMA MELEAGRIDIS

Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Ab-

Control of Mycoplasma meleagridis infection in turkeys. (Abstract).

The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract).

Field significance of Mycoplasma meleagridis infection. (Abstract).

Persistance of Mycoplasma meleagridis in the genitalia of experimentally infected turkeys. (Abstract).

4263

MYOSPILA

European species of the genus Myospila Rond. (Dipt., Muscidae).

3823

MYZUS PERSICAE

A new virus disease of Carica papaya in India.

4005

NAPHTHYLACETAMIDE

Current status on chemical thinning of peaches and pears in Michigan.

NARCOTICS

Some recent aspects of veterman,
Attempted comparison with human toxiocology.
4316 Some recent aspects of veterinary toxicology:

NATURAL CONTROL (INSECTS)

On the value of our birds.

NEMAPOGON LEVANTINUS Taxonomy and distribution of the palearctic

Nemapogon species (Lepidoptera, Tineidae).

3927

NEMAPOGON ORIENTALIS Taxonomy and distribution of the palearctic

Nemapogon species (Lepidoptera, Tineidae)

NEMATOCIDES

A note on the nematicidal properties of 'Sevin'

4051

Nematodes are destructive to your plants.

4053 Control of the citrus nematode, Tylenchulus semipenetrans, with 1,2-dibromo-3chloropropane in Taiwan.

4057

NEMATODE INFESTATION

Breeding and propagation of virus-free grapes in hydroponic cultures.

4045

NEMATODE MORPHOLOGY

Life cycle and reproduction of Meloidogyne hapla on potato.

NEMATODE POPULATIONS

Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at Bab near Nitra.

Mortality of mature beetles Ips typographus (L.) Mortality of mature occurs 190 (1905)—(Col., Scolytidae) in the galleries and its causes.

3799

Nematodes associated with bananas in the Windward Islands.

3818

NEMATOLOGY

Notice of filing of petition for food additive nitrodan.	NEUROLOGY The excitation of insect skeletal muscles.	Problem insects in 1967 - how to control them in 1968.
4144	3791	3891
A study of oesophagostomiasis, encountered in young buffaloes of Casertano.	NEWCASTLE DISEASE Investigation of some enzymatic activities (GOT,	Hereditary nature of the two forms of Argyro- gramma albostriata (Bremer and Grey) (Noc-
Flaphostrongylus cervi Cameron, 1931 in the	GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or	tuidae, Plusiinae).
central nervous system of red deer (Cervus elaphus).	those infected with newcastle disease virus.	Insect control for garden vegetables.
4271	NEWCASTLE DISEASE VIRUS	NOMENCLATURE
Efficacy of several drugs for control of poultry nematodes. (Abstract).	Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic	Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera).
Experiments on the loss of Dictyocaulus filaria	relationships and cellular affinities.	3762
from the lungs of infected sheep. II. The demonstration of worms in the bronchial spare mucus.	The interaction of a nonpathogenic Mycoplasma	On nocturnal darkling beetles of the genus Melanesthes Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan.
4276	sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory	3772
An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester.	tract. (Abstract).	Taxonomic and nomenclatural notes on Gonodonta obesa (Walker)(Lepidoptera: Noc-
4277	NICARBAZIN	tuidae).
The finding of Gongylonema pulchrum Molin, 1857 (Nematoda) in man. 4278	Nicarbazin. Drugs for veterinary use; drug efficacy study implementation.	NOSEMA ACRIDOPHAGUS Early morphogenesis of tumours induced by
NEMATOLOGY	NICOTINE	Nosema acridophagus ir. Melanoplus san-
The importance of applied entomology for Aus-	Insect control for garden vegetables.	guinipes. 3827
trian plant protection.	3916	NOZZLES
NEOPLASMS	Effects of heptachlor and nicotine on the barbels	What you should know about concentrate spray-
Early morphogenesis of tumours induced by	of a catfish (Heteropneustes fossilis). 4310	ing.
Nosema acridophagus in Melanoplus san-	NITRATES	4342
guinipes. 3827	Environmental nitrates and animal health. 4315	NUCLEOTIDES Isolation and characterization of ribonucleic acid
Spontaneous tumors of the brain in rats: A report of 3 cases.	NITRO-4-HYDROXYPHENYLARSONIC ACID,	from Musca domestica (L.). 3798
4121	Notice of filing of petition for food additives.	NURSERIES
Proteins before and after inoculation with RSV. (Abstract). 4153	NITRODAN 4143	Spore dispersal by Scleroderris lagerbergii under nursery and plantation conditions. 4007
A meningioma in a cat associated with erosion of	Notice of filing of petition for food additive	NURSERY STOCK (HORTICULTURE)
the skull.	nitrodan. 4144	Foreign quarantine notices. Nursery stock, plants, and seeds. Importation.
Spontaneous tumors in Holtzman-source rats of	NITROFURAZONE Effect of nitrofurazone and furazolidone on	4346
various ages.	reproduction in chickens.	NUTRIENT SOLUTIONS (PLANTS) Fusarium wilt (race 2) of tomato: Calcium, pH,
Avian virus-induced tumors.	NITROGEN	and micronutrient effects on disease develop- ment.
Investigations concerning the ultrastructure and	Are fertilizer programs related to fireblight and fruit disorders at harvest.	3974
etiology of the mast cell tumors in the dog.	3933	Breeding and propagation of virus-free grapes in hydroponic cultures.
NEOTROPICAL REGION	Effect of Sclerospora graminicola infection on total nitrogen content and free amino acid com-	4045
A new species on neotropical seed weevil affect- ing pigeon peas, with notes on two closely related	position of Bajra plants.	NUTS
species(Coleoptera: Bruchidae: Bruchinae).	3995	Weed control in fruits and nuts. 4070
3756	Possibilities for Botrytis cinerea control, espe- cially in tomatoes.	NYCTERIBIIDAE
The neotropic species of Xanthopimpla (Hymenoptera: lchneumonidae).	4019	Faunal and ecological study on the families Nyc-
(Trymenoptera: Tenneumonidae).	Amino acids and isonitrogenous turkey starter	teribiidae and Streblidae (Dipt., Pupipara) of the Nangahar Province (Eastern Afghanistan).
Studies of neotropical caddis flies. VIII: The im-	diets. (Abstract).	3829
mature stages of Barypenthus claudens (Trichoptera: Odontoceridae).	Lysine levels on chick growth and nitrogen	NYGMIA PHAEORRHOEA
3818	utilization. (Abstract).	The effect of diet on the physiology of the brown-tail moth, Euproctis chrysorrhoea L.
NERVES	4264 Effect of storage on cottonseed and cottonseed	(Lepidoptera, Liparidae).
Structure and function of the giant fibre system in the cockroach, Periplaneta americana.	products.	NYSTATIN 3861
3817	NITROVIN 4283	Nystatin for feed formulation. Drugs for veteri-
On ocular regeneration in Lithobius forficatus L. (Myriopoda Chilopoda). 3832	Payzone nitrovin-A new growth promoter for poultry. (Abstract).	nary use. drug efficacy study implementation. 4179
NERVOUS SYSTEM	4101	OATS
Structure and function of the giant fibre system	NOCTUIDAE	Crown rust of oats in Canada in 1968.
in the cockroach, Periplaneta americana.	Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera).	O-isopropoxyphenol methylcarbamate. Notice
Fundamental properties of intensity, form, and	3762	of establishment of temporary tolerance for
motion perception in the visual nervous systems of Calliphora, phaenicia and Musca domestica.	Supplementary communication concerning the occurrence of Caradrina kadenii Frr.	pesticide chemical. 4294
Innervation of the out of the migratory locust	(Lep.Noct.) in Switzerland.	ODONATA New data on accumulation of S35 and Ru106 by
Innervation of the gut of the migratory locust, Locusta migratoria L. (Orthoptera, Acrididae).	On the identity of 'Dasythorax ogasawarae Mat-	dragonfly nymphs (Odonata).
MESTING HADITS	sumura' (Lepidoptera, Noctuidae, Cuculliinae).	ODONTOCERIDAE 3820
NESTING HABITS Some biological notes on Bombus ignitus Smith	Taxonomic and nomenclatural notes on	Studies of neotropical caddis flies. VIII: The im-
with special reference to the nest structure	Gonodonta obesa (Walker)(Lepidoptera: Noc-	mature stages of Barypenthus claudens
(Hym. Apidae).	tuidae).	(Trichoptera: Odontoceridae).

3844

DESOPHAGOSTOMIASIS A study of oesophagostomiasis, encountered in	Current status of methods for identifying pesticides, a survey. (JPRS 32,031)	OXIDATION Factors affecting the oxidation of glycerol-1-
young buffaloes of Casertano.	4303	phosphate by insect flight-muscle mitochondria.
4269	Comparative toxicology of organic and inorganic arsenicals in swine.	OXYGEN 3815
DESOPHAGOSTOMUM RADIATUM A study of oesophagostomiasis, encountered in	4306	Molecular order of participation of inhibitors (or
young buffaloes of Casertano.	Proceedings of the American College of Veteri-	activators) in biological systems.
4269	nary Toxicologists, 1967.	4339
DES	ORGANOPHOSPHORUS COMPOUNDS	OXYTETRACYCLINE Embryostat (oxytetracycline powder). Drugs for
Prevention of the spread of non-persistent plant viruses by oil spraying.	Two types of carboxyesterase degrading	veterinary use, drug efficacy study implementa-
3963	malathion in resistant houseflies and their inhibi-	tion.
Comparison of attenuated live Pasteurella mul-	tion by synergists. 3859	4173
tocida given in drinking water to an oil-base bacterin administered to turkeys. (Abstract).	Genetics of organophosphate resistance in the	OXYTROPIS Locoweed toxicity in horses.
4117	two-spotted spider mite (Tetranychus urticae	4312
DLEANDOMYCIN	Koch).	OZONE
Investigation of the residues of two antibiotics of	3905	Plant injury by air pollutants: Influence of hu-
the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving	Current status of methods for identifying pesticides, a survey. (JPRS 32,031)	midity on stomatal apertures and plant response to ozone.
anibiotic feed supplements.	4303	4326
4301	Organic phosphate poisoning of sheep in Skull	PALMITIC ACID COMPOUNDS
DLEIC ACID Effect of prolonged infection by intestinal acc	Valley, Utah.	Incorporation of palmitate-1-C14 into lipids of
Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in	ORIBATEI	the blowfly during flight.
broilers. (Abstract).	What the practitioner should know about	PANCREAS
4250	arthropods.	Oral therapy of diabetes mellitus in dogs with
DLETHREUTIDAE Natural enemies of Laspeyresia pomonella L.	ODNAMENTAL BLANTS	Glycodiazin.
(Lepidoptera, Tortricidae) and the effect of	ORNAMENTAL PLANTS Plant protection. Bulletin of the plant disease	4160
chemical treatment on their useful activity.	control station of Geneva. February.	Effect of dietary lipids upon the lipase, pan- creatic cholesterol esterase, plasma triglyceride
3819	3930	and total plasma lipids level in the chick. (Ab-
OLFACTOMETERS Study on attractant of the rice stem haver Chile	Plant protection. Bulletin of the plant disease	stract).
Study on attractant of the rice stem borer, Chilo suppressalis Walker.	control station of Geneva. August.	PANONYCHUC III MI
3835	Plant protection. Bulletin of the plant disease	PANONYCHUS ULMI Problem insects in 1967 - how to control them in
DLFACTORY RESPONSES	control station of Geneva. September.	1968.
Specificity of population-aggregating	3932	3891
pheromones in Dendroctonus. 3863	Plant protection. Bulletin of the Plant Disease Station of Geneva. March.	PAPAYAS
DLIVES	Station of Geneva. March.	Efficacy of fungicides, hot water and gamma-ir- radiation for control of postharvest fruit rots of
Discovery and distribution of Fusicoccum	Plant protection. Bulletin of the Plant Disease	papaya.
canker of Russian olive in Illinois.	Station of Geneva, June.	3971
ONCOPELTUS FASCIATUS	4011	A new virus disease of Carica papaya in India.
Juvenile hormone: Activity of aromatic terpe-	Plant protection. Bulletin of the Plant Disease Station of Geneva. October.	A005
noid ethers.	4012	PARACOLOBACTRUM ARIZONAE Effect of spectinomycin on experimentally in-
3805	Plant protection. Bulletin of the Plant Disease	duced Arizona group infection in turkeys. (Ab-
Temperature and circadian control of cuticle growth on the bug, Oncopeltus fasciatus.	Station of Geneva. April.	stract).
3814	The development of chemical weed control in	4265
ONIONS	ornamental plants in fields.	PARAINFLUENZA Polyvalent parainfluenza CF antigen for
Host resistance reflected in differential ne-	4063	serodiagnosis.
matode population structures.	ORNAMENTAL TREES	4166
The effectiveness of the newer herbicides for the	A survey of leaf-miners and their parasites on Laburnum.	PARAQUAT
control of weeds in cultivated plants with special	3797	Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the
attention to weeds which are difficult to control.	OROBANCHE	International Herbicide Conference, Prague,
In: Collection of reports given at the International Herbicide Conference, Prague, June 21-	Control of Orobanche under natural and artifi-	June 21-24, 1966.
24, 1966.	cally infested conditions. 4068	DADACITES 4086
4081	ORTHOPTERA	PARASITES Studies on the life history and biological control
Field observations on effectiveness of maleic	On the Orthopterous fauna in the south of the	of the spittlebug, Clastoptera undulata Uhler
hydrazide applied to onions by helicopter.	Krasnoyarsk Territory. 3754	(Cercopidae: Hemiptera).
DNOCLEA SENSIBILIS	OSTEODYSTROPHY	Gamparative studies of American and African
New antheridiogen from the fern Onoclea sensi-	The pathology of avian osteodystrophy. (Ab-	Comparative studies of American and African Trypanosomiasis.
bilis. 4325	stract).	3908
OOGENESIS	OULEMA MELANOPUS	PARASITIC INSECTS
The influence of the genotype on the frequency	Chromosomes of the cereal leaf beetle.	New Perilampidae (Hymenoptera: Chalci-
of radiation-induced aneuploidy in the oogenesis	3900	doidea).
of Drosophila melanogaster. 3897	OVARIAN CYSTS	Microterys clauseni Compere (Hym.: Encyr-
DRANGES	Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations.	tidae).
Reduction of preharvest drop and water spot of	4186	3796
navel oranges in Southern California.	OVIPOSITION	A survey of leaf-miners and their parasites on Laburnum.
DRCHARDS 4331	Mating and oviposition behavior of the coffee	23797
Reduction of preharvest drop and water spot of	leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae).	Review of the parasitic Diptera of the genus
navel oranges in Southern California.	3888	Eriothrix meigen (Diptera, Tachinidae) in the
ORCANIC COMPOUNDS	OXALIC ACID	USSR. 3838
ORGANIC COMPOUNDS Controlling insects and other pests with	Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent cate pillar,	Parasites of ladybirds (Coleoptera, Coccinel-
phosphonothioates. Patent 3,428,655.	Malacosoma neustria testacea.	lidae) in Leningrad Province.

3881

PARASITISM

Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and	PARIANA A new genus and two new species of Cecido-	Fungus diseases of cotton seedlings in Egypt. 3972
Aphidiidae.	myiidae associated with Pariana spp.	PENTHETRIA RITSUMEIKANA
Notes on the parasites of the root aphids	(Gramineae) in South America (Diptera). 3749	A new species of Penthetria from Japan (Diptera, Bibionidae).
(Hymenoptera, Aphidiidae).	PASTEURELLA MULTOCIDA	3769
3876 Ticks of the National Reactor Testing Station.	Comparison of attenuated live Pasteurella mul- tocida given in drinking water to an oil-base bac- terin administered to turkeys. (Abstract).	PENTOBARBITAL SODIUM Glycemia in dogs. 4184
PARASITISM 4267	4117	PERENNIAL PLANTS
Contributions to the knowledge of Analgesoidea	PATENTS Controlling insects and other pests with	Distribution and host range of maize dwarf mosa-
of Czechoslovakia.	phosphonothioates. Patent 3,428,655.	ic virus in Virginia. 3998
Mortality of mature beetles lps typographus (L.)	Animal food composition. Patent 3,428,457.	Perennial bindweeds. 4074
(Col., Scolytidae) in the galleries and its causes.	4159	PERILAMPIDAE 4074
Parasites of ladybirds (Coleoptera, Coccinel-	Prosphanilic acid derivatives. Patent 3,442,938. 4335	New Perilampidae (Hymenoptera: Chalcidoidea).
lidae) in Leningrad Province.	Halobenzyl carbamates. Patent 3,442,892.	3742
Comparative studies of the development of	Process for the production of substituted	PERILAMPUS PHILEMBIA New Perilampidae (Hymenoptera: Chalci-
Plasmodium cynomolgi bastianellii in Anopheles stephensi and A. albimanus.	triazines. Patent 3,428,636.	doidea).
3860	Emulsifiers for agricultural pesticides. Patent	PERIPLANETA AMERICANA 3742
The rate of contamination in relation to the per- centage of infection in the parasitic diseases of	3,442,818. 4338	The conjugated plasma proteins in adult females
plants.	Phytotoxic alpha-halo-acetanilides. Patent	of Periplaneta americana (L.) under starvation and other stress.
4029 The oleander scale, Pseudaulacaspis pentagona	3,442,945. 4340	3788
(Targ.), (Homoptera, Coccidae) in Bermuda.	Pesticidal uses of thiosubstituted phenols. Patent	Structure and function of the giant fibre system in the cockroach, Periplaneta americana.
4043 Control of Orobanche under natural and artifi-	3,443,012. 4341	3817
cally infested conditions.	PATHOGENESIS	Salt and water transport by the in vitro cockroach midgut.
4068	Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets.	3870
Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize).	4215	The hyperglycaemic activity of the corpus allatum in an insect.
4141	PEACHES Current status on chemical thinning of peaches	3877
Disinfection in parasitoses. 4148	and pears in Michigan.	Notes on the chromosomes of two species of cockroaches.
An improvement of the indirect fluorescent an-	This may be the year for spray thinning.	3904
tibody test for the diagnosis of intraerythrocytic parasitic infections.	3917	PERMEABILITY Insects and physiology; essays presented to Sir
4183	PEANUTS Biology of the fungus Aspergillus flavus Link and	Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and
Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract).	its infectivity to plants and animals.	directorship of the Unit of Insect Physiology in
4251	Studies on weed control in groundnut (Arachis	the University of Cambridge. 3800
Minimum time for development and life span of metacercariae.	hypoceae) - a review.	Shell quality effect on Salmonella penetration.
4270	PEARLMILLET	(Abstract). 4225
Brief communication on the occurance of thelaciaepathogens of an enzootic eye disease in	Effect of Sclerospora graminicola infection on total nitrogen content and free amino acid com-	PERONOSPORA
cattle in the German Democratic Republic.	position of Bajra plants.	Some observations on the late occurrence of Peronospora on grapes in the period 1964-1966.
Food additives permitted in feed and drinking	PEARS	3966
water of animals or for the treatment of food-	Current status on chemical thinning of peaches and pears in Michigan.	PEROSIS Specificity of the chick's requirement for
producing animals. Coumaphos. 4274	3913	choline. (Abstract).
Fish as observed hosts of Ascaridstheir sig-	This may be the year for spray thinning.	PEST CONTROL
nificance in regard to man's health. 4275	Supplement to the Plant Protection bulletin.	The use of attractants in pest control. 2. Sex attractants.
An attempt to eliminate the principal parasitic	3923 Comparative interactions of Erwinia carotovora	3848
nematodes of dogs by using a new phosphoric ester.	and Erwinia amylovora with pear and potato tis-	Stretch your pest control dollars. 3922
The anaemia of acute and chronic ovine	sues. 4008	PESTICIDE APPLICATION
fascioliasis.	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural	Controlling household pests. 3790
PARATEPHRITIS TRANSITORIA	commodities. Food additives. Phosalone.	New chemicals look good for weed control in
Paratephritis transitoria Rhod. (Diptera,	4298 Effect of seeded fruits and foliar-applied auxin	Michigan orchards. 3994
Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory.	on seedless fruit set of pear the following year.	The development of chemical weed control in ornamental plants in fields.
3833	PECANS 4332	ornamental plants in fields.
PARATHION The San Jose scale a pest of ornamental shrubs.	Notice of filing of petition regarding pesticide	What you should know about concentrate spraying
4033	chemicals. 4293	ing. 4342
Some remarks on plant protection preparation-tolerances.	PEMPHIGUS A contribution to the study of the pemphigose of	PESTICIDE RESIDUES Some remarks on plant protection preparation-
4292	A contribution to the study of the pemphigose of poplars and its pathogen Pamphigus spirothecae.	tolerances.
PARENA PERFORATA Description of the larva of Parena (Parena) per-	4035 PENTACHLORONITROBENZENE	Investigation to determine the respective residue
forata (Bates), with some notes on its life history	Chemical control of stripe smut in Merion Ken-	amounts of DDT and its analogues in the milk
(Carabidae).	tucky bluegrass.	and back fat of selected dairy animals.

PHENYLALANINE

The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract).

4246

The effects of a single massive dose of phenyl-hydrazine on different hematological traits of

PHENYLHYDRAZINE

chickens. (Abstract).

4347

Current status of methods for identifying pesticides, a survey. (JPRS 32,031)

The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany.

PESTICIDES

Controlling household pests.

3965

PHYLLACTINIA ANGULATA
The identity of Phyllactinia on winged elm in

Stability of taxonomic characters in cultures of Diplodia and related genera as influenced by various carbon sources. (Abstract).

Georgia.

PHYSALOSPORA

3790	4104	PHYTATES
Research into environmental pollution. 4290	PHEROMONES Studies on sex pheromones of Pyralididae.	Effect of phytate on the apparent calcium requirements of chicks. (Abstract).
Some remarks on plant protection preparation-	Changes in the quality of the sex pheromone in	4190
tolerances. 4292	the female almond moth, Cadra cautella Walker (Phycitinae). 3841	PHYTOPATHOLOGY Phytopathological problems in Austria.
Emulsifiers for agricultural pesticides. Patent	The use of attractants in pest control. 2. Sex at-	PHYTOTOXICITY 4021
3,442,818. 4338	tractants.	Prevention of the spread of non-persistent plant viruses by oil spraying.
Pesticidal uses of thiosubstituted phenols. Patent	Specificity of population-aggregating	3963
3,443,012.	pheromones in Dendroctonus.	Phytotoxic alpha-halo-acetanilides. Patent 3,442,945.
The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany.	Studies on sex pheromones of pyralididae. II. Mass rearing of virgin females of the almond	4340 PIGEONPEAS
4347	moth, Cadra cautella Walker (Phycitinae).	A new species on neotropical seed weevil affect- ing pigeon peas, with notes on two closely related
PETUNIA Some observations on the shape and localization	PHOMA EXIGUA	species(Coleoptera: Bruchidae: Bruchinae).
of different viruses in experimentally infected	Phoma exigua Desm. and its varieties.	DICMENTS (INSECT)
plants, and on the fine structure of the host cells. IV:ABABIS mosaic virus in Petunia hybrida	PHOSALONE 3945	PIGMENTS (INSECT) Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought
Hort. 3959	Tolerances and exemptions from tolerances for	about by induced pigment formation.
PHAENICIA	pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone.	3867
Fundamental properties of intensity, form, and	4298	PINOCYTOSIS Pinocytosis during vitellogenesis in the meal-
motion perception in the visual nervous systems	PHOSPHATES	worm, Tenebrio molitor L. (Coleoptera,
of Calliphora, phaenicia and Musca domestica.	Factors affecting the oxidation of glycerol-1- phosphate by insect flight-muscle mitochondria.	Tenebrionidae).
PHAENICIA SERICATA	3815	PINUS
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892	PHOSPHONIC ACIDS Prosphanilic acid derivatives. Patent 3,442,938.	Occurrence of Cronartium comptoniae in the Maritime Provinces.
PHAGOCYTES	NACEDIA NOTIVIO ATES	4018
Phagocytic haemocytes in unfixed Galleria mellonella larvae.	PHOSPHONOTHIOATES Controlling insects and other pests with	PINUS BALFOURIANA Lophodermium durilabrum found on foxtail pine in California.
3890	phosphonothioates. Patent 3,428,655.	3986
PHANAEUS IGNEUS NIGROCYANEUS	PHOSPHORIC ACID ESTERS	PINUS PINASTER
Three new records of the genus Phanaeus from Georgia (Coleoptera: Scarabaeidae). 3748	Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibi-	The attraction to Pissodes notatus (Col. Curculionidae) of the wounds formed by Matsuococ-
PHANAEUS TORRENS NIGER	tion by synergists.	cus feytaudi Duc. (Hom. Coccoidea) on maritime pine.
Three new records of the genus Phanaeus from	PHOSPHORUS	4034
Georgia (Coleoptera: Scarabaeidae).	Controlling insects and other pests with	PINUS SYLVESTRIS
PHANAEUS VINDEX CYANELLUS	phosphonothioates. Patent 3,428,655.	Elements for a study on the needle-cast fungus of scotch pine Lophodermium pinastri (Schrad.)
Three new records of the genus Phanaeus from Georgia (Coleoptera: Scarabaeidae).	Are fertilizer programs related to fireblight and	Chev. Phenological study: fall of needles and development of hysterothecia.
3748	fruit disorders at harvest.	3979
PHARMACOLOGY	PHOSPHORUS COMPOUNDS	PINUS VIRGINIANA Virginia nine a new best for Cronestium comen
Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his	Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotiana xanthi n. c.	Virginia pine, a new host for Cronartium comandrae.
retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in	4000	PIPERAZINE PHOSPHATE
the University of Cambridge.	PHOSPHOTUNGISTIC ACID Electron microscopy as an aid to the rapid	Efficacy of several drugs for control of poultry nematodes. (Abstract).
The anabolic steroids and their use in veterinary	identification of animal viruses. 4239	4272
therapeutics. 4099	PHOTOPERIODISM	PISSODES NOTATUS The attraction to Pissodes notatus (Col. Curcu-
PHENOLS Emulsifiers for agricultural pesticides. Patent	Photoperiodism in the honey bee, Apis mellifera L. (Hymenoptera, Apidae).	lionidae) of the wounds formed by Matsuococcus feytaudi Duc. (Hom. Coccoidea) on
3,442,818.	The influence of photonerical and temperature	maritime pine.
4338 PHENOXY ACID COMPOUNDS	The influence of photoperiod and temperature on the induction of diapause in mulberry pyralid,	PITH
Defoliation effects on forest ecology.	Glyphodes pyloalis Walker. 3858	The in vitro establishment of pith calluses and nodal tumors of Brassica oleracea.
Pagwart 4062	PHYCITIDAE	4004
Ragwort. 4073	Studies on sex pheromones of Pyralididae.	PITRESSIN
Perennial bindweeds.	Changes in the quality of the sex pheromone in	The influence of feed and water restriction and
4074	the female almond moth, Cadra cautella Walker (Phycitinae).	pitressin administration upon thyroxine secretion in domestic fowl.
Defoliation effects on forest ecology.	3841	4100
4080 Reduction of preharvest drop and water spot of	Studies on sex pheromones of pyralididae. II. Mass rearing of virgin females of the almond	PLAGUE Duck virus enteritis (duck plague). Interstate
navel oranges in Southern California.	moth, Cadra cautella Walker (Phycitinae).	movement.
4331	3880	4110

PLANOCOCCUS CITRI

PLANOCOCCUS CITRI Endomitosis in the mealy bug, Planococcus citri	Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of	PLANT DISEASES Plant protection in the heart of Europe. Austria
(Homoptera: Coccoidea).	papaya. 3971	contribution to the international fight again plant pests and diseases and, through this, to the
PLANT ANATOMY Virulence of various groups of loose smut of bar-	Fruit disease problems and new approaches to their controls.	improvement of the food situation. 391
ley, (Ustilago nuda (Jens.) Rostr.) physiological races in the light of anatomical investigations of	PLANT DISEASE RESISTANCE	Microbes and chemicals against plant pests.
spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant	Crop rotation hygiene in grain cultures. 3912	Stretch your pest control dollars.
tissue.	Are fertilizer programs related to fireblight and	The present state of research and of the control
PLANT BIOCHEMISTRY	fruit disorders at harvest . 3933	of rice pests.
Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination.	Reaction of tomato varieties against Alternaria solani and Cladosporium fulvum.	The causes of disease in plant pathology.
3985	Resistance of dwarf-internode castor (Ricinus	The plant disease observatory of Milan.
Effect of Sclerospora graminicola infection on total nitrogen content and free amino acid com-	communis) to Verticillium wilt.	394 Lodging resistance in wheat. II. Identification of
position of Bajra plants. 3995	Plant pathology field day. 3949	superior genetic stocks.
Herbicides in the perspectives of 20 months and	Survey, screening, and breeding for bacterial	Disease and insect control in home orchards.
20 years. 4089	blight resistance in cotton.	398
Harmlessness of herbicides for the biocenosis. In: Collection of reports geven at the International	Fungus diseases of cotton seedlings in Egypt.	Biochemistry of plant immunity and dormancy a the foundation for the crop protection agains diseases and germination.
Herbicide Conference, Prague, June 21-24, 1966.	Lodging resistance in wheat. II. Identification of	The in vitre establishment of with collars or
4090 Gibberellin-induced asymmetric growth of apple	superior genetic stocks. 3977	The in vitro establishment of pith calluses an nodal tumors of Brassica oleracea.
fruits.	Virulence of various groups of loose smut of bar-	Augusta and the local and beautiful Augustain
Hormonal regulation in higher plants.	ley, (Ustilago nuda (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to re-	Phytopathological problems in Austria. 402 The rate of contamination in relation to the per
4319 Steroid alkaloids as compounds produced by	sistance. I. Spreading of pathogene in host plant tissue.	centage of infection in the parasitic diseases of
potato tubers under stress.	3978	plants.
4323 New antheridiogen from the fern Onoclea sensi-	A race of Ustilago tritici virulent on Thatcher wheat and its derivatives.	A contribution to the study of the pemphigose of
bilis.	3989	poplars and its pathogen Pamphigus spirothecae 403
4325 Plant injury by air pollutants: Influence of hu-	Development of a new variety of tomato named Miguel pereira, with resistance to both Fusarium	Longidorus africanus a pathogen of head lettuc
midity on stomatal apertures and plant response to ozone.	and Verticillium wilts.	in the Imperial Valley of southern California. 405
4326	Effects of early and late inoculation of maize	PLANT DORMANCY
Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331	dwarf mosaic virus strain A and B on shelled grain yields of susceptible and resistant maize segregates of a three-way hybrid.	Biochemistry of plant immunity and dormancy a the foundation for the crop protection against diseases and germination.
Chemical regulators in horticulture.	4001	PLANT EXTRACTS
DI ANTE PRESENTAC	Wild species as a source of resistance to diseases. 4016	Problems around the incidence and control of
PLANT BREEDING Virus diseases and the selection of grapes. 3937	Susceptibility of coastal form and central Montana Douglas-fir to Arceuthobium douglasii.	Fusarium oxysporum in tulips.
Survey, screening, and breeding for bacterial blight resistance in cotton.	4025 Breeding and propagation of virus-free grapes in	Comparative interactions of Erwinia carotovor and Erwinia amylovora with pear and potato tis sues.
3952 Breeding and propagation of virus-free grapes in	hydroponic cultures. 4045	400
hydroponic cultures.	PLANT DISEASE TRANSMISSION Virus diseases and the selection of grapes.	PLANT GALLS Paratephritis transitoria Rhod. (Diptera Tephritidae), a fly that forms galls on tasse
PLANT CUTTINGS	3937 The present state of grape culture virus research.	flowers in the Maritime Territory.
Losses from fusarium stem rot caused by Fusari- um roscum, in production of cuttings of carna-	3948	The in vitro establishment of pith calluses and
tion, Dianthus caryophyllus.	A transmissible fruit-depression disease of McIntosh apples.	nodal tumors of Brassica oleracea.
PLANT DISEASE CONTROL The plant protection import controls in Bavaria. 3918	3991 A new virus diseasc of Carica papaya in India. 4005	Overwintering of Meloidogync incognita is southwestern Ontario.
Plant protection. Bulletin of the plant disease control station of Geneva. February.	Spore dispersal by Scleroderris lagerbergii under nursery and plantation conditions.	PLANT GENETICS Electron microscope examination of ultra-thir
Plant protection. Bulletin of the plant disease	The tobacco mosaic virus (TMV) in the nutritive	sections of Streptomyces viridochromogenes fo hyphal anastomoses.
control station of Geneva. August. 3931	solution of the tomato hydroponous culture. 4014	3910 The causes of disease in plant pathology.
Plant protection. Bulletin of the plant disease	Transmission of the virus component of the ragi (Eleusine coracana) disease-complex in Mysore,	3939
control station of Geneva. September.	India. 4028	Lodging resistance in wheat. II. Identification o superior genetic stocks.
Virus diseases and the selection of grapes.	The rate of contamination in relation to the per-	397
Problems around the incidence and control of Fusarium oxysporum in tulips.	centage of infection in the parasitic diseases of plants.	Wild species as a source of resistance to diseases 4010 PLANT GEOGRAPHY
3943	Plant virus diseases in Turkey which are trans-	Biology of the fungus Aspergillus flavus Link and
The present state of grape culture virus research. 3948	mitted by insect vectors.	its infectivity to plants and animals.

Field observations on effectiveness of maleic	ty of Pratylenchus penetrans.	Nine varieties of southern peas resistant to the
hydrazide applied to onions by helicopter.	4046	soybean cyst nematode.
Chemical regulators in horticulture.	Overwintering of Meloidogyne incognita in southwestern Ontario.	PLANT PHYSIOLOGICAL DISEASES
4333	4047	Diseases and parasites of the rose.
LANT HARDINESS How to prevent sun and heat damage to desert-	Nematodes associated with bananas in the Windward Islands.	PLANT PHYSIOLOGY
grown tomatoes.	4048	Electron microscope examination of ultra-thin
3909 LANT HORMONES	Survival of the soybean cyst nematode in seed stocks.	sections of Streptomyces viridochromogenes fo hyphal anastomoses.
Distribution, importance and problems of herbi-	4049	3910
cide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference,	Nine varieties of southern peas resistant to the soybean cyst nematode. 4050	Electrifying agriculture and horticulture. 392
Prague, June 21-24, 1966.	Life cycle and reproduction of Meloidogyne	Some observations on the shape and localization of different viruses in experimentally infected
Hormonal regulation in higher plants.	hapla on potato.	plants, and on the fine structure of the host cells IV:ABABIS mosaic virus in Petunia hybrida
New antheridiogen from the fern Onoclea sensi-	Nematodes are destructive to your plants.	Hort.
bilis. 4325	4053 Longidorus africanus a pathogen of head lettuce	3959 Virulence of various groups of loose smut of bar
Chemical regulators in horticulture.	in the Imperial Valley of southern California.	ley, (Ustilago nuda (Jens.) Rostr.) physiologica
4333	Nametadefours of a mixed harmharm oak forest	races in the light of anatomical investigations o spring barley varieties different with regard to re
LANT INJURIES How to prevent sun and heat damage to desert- grown tomatoes.	Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at Bab near Nitra.	sistance. 1. Spreading of pathogene in host plan tissue.
3909	4055	3978
Brown rot control in Southern California.	Golden nematode found in Delaware. 4056	Elements for a study on the needle-cast fungus o scotch pine Lophodermium pinastri (Schrad.)
4015 Buggy-whip of corn and its relation to the in-	Control of the citrus nematode, Tylenchulus	Chev. Phenological study: fall of needles and
cidence of common smut.	semipenetrans, with 1,2-dibromo-3- chloropropane in Taiwan.	development of hysterothecia. 3979
The peach twig borer and its control.	4057	Breeding and propagation of virus-free grapes in
4032	Host resistance reflected in differential ne- matode population structures.	hydroponic cultures. 4045
The attraction to Pissodes notatus (Col. Curcu-	4058	Chemical weed control problems in outdoor
lionidae) of the wounds formed by Matsuococcus feytaudi Duc. (Hom. Coccoidea) on	PLANT NUTRITION	vegetable growing. 4088
maritime pine.	Are fertilizer programs related to fireblight and fruit disorders at harvest.	Gibberellin-induced asymmetric growth of apple
Plant injury by air pollutants: Influence of hu-	3933	fruits. 4318
midity on stomatal apertures and plant response	Micronutrients: The secret of better yields for farmers.	Hormonal regulation in higher plants.
to ozone.	3976	4319
Chemical injury on Golden Delicious apples	The effects of increasing molybdenum rates on building of dry material of clover.	An unexpected effect of benomyl on two gladio- lus varieties.
treated with diphenylamine.	4322	4321
LANT METABOLISM	Stability of taxonomic characters in cultures of Diplodia and related genera as influenced by	Growth regulator survey for activity in inducing parthenocarpy in the highbush blueberry.
Biochemistry of plant immunity and dormancy as the foundation for the crop protection against	various carbon sources. (Abstract).	4324
diseases and germination.	PLANT NUTRITIONAL DEFICIENCIES	Chemical regulators in horticulture. 4333
3985 Effects of tobacco mosaic virus on the	Micronutrients: The secret of better yields for	PLANT PROTECTION
phosphorus metabolism of Nicotiana xanthi n. c.	farmers.	Plant protection in the heart of Europe. Austrias
4000 LANT MORPHOLOGY	PLANT PEST CONTROL	contribution to the international fight against plant pests and diseases and, through this, to the
Morphological variation in the sugarcane smut,	Plant protection in the heart of Europe. Austrias contribution to the international fight against	improvement of the food situation. 3911
Ustilago scitaminea Syd.	plant pests and diseases and, through this, to the	Crop rotation hygiene in grain cultures.
The influence of herbicides on the morphology	improvement of the food situation. 3911	3912
of cereal cultures. In: Collection of reports given at the International Herbicide Conference,	Plant protection Annual Report 1967.	The training course of the European Plant Protection Organization in England.
Prague, June 21-24, 1966.	The present state of research and of the control	3914 Plant prote tion Annual Report 1967.
LANT NEMATODE RESISTANCE	of rice pests.	3915
Host resistance reflected in differential nematode population structures.	The importance of applied entomology for Aus-	The plant protection import controls in Bavaria. 3918
4058	trian plant protection.	Stretch your pest control dollars.
LANT NEMATODES Crop rotation hygiene in grain cultures.	Plant protection. Bulletin of the Plant Disease	3922
3912	Station of Geneva. March.	The importance of applied entomology for Austrian plant protection.
The plant protection import controls in Bavaria.	Plant protection. Bulletin of the Plant Disease	3926
The present state of research and of the control	Station of Geneva. June.	New ways for organizing the cooperation between plant protection services and apicul-
of rice pests.	Plant protection. Bulletin of the Plant Disease	turists.
3924 Virus diseases and the selection of grapes.	Station of Geneva. October. 4012	3929 The plant disease observatory of Milan.
3937	Plant protection. Bulletin of the Plant Disease	3940
The present state of grape culture virus research.	Station of Geneva. April. 4013	Avoid yellow dwarf virus by late sowing. 3981
The rate of contamination in relation to the per-	Phytopathological problems in Austria.	Biochemistry of plant immunity and dormancy as
centage of infection in the parasitic diseases of	The engagement of heat enhile in 1066	the foundation for the crop protection against

PLANT QUARANTINE

Plant protection. Bulletin of the Plant Disease Station of Geneva. March.	PLASTICS Foaming agents as ground cover against weeds.	Are fertilizer programs related to fireblight and fruit disorders at harvest.
4010	4078	3933
Plant protection. Bulletin of the Plant Disease Station of Geneva. June.	POA ANNUA Chemical control of annual bluegrass as related	POTATO SEEDS Testing on dry fumigation of potato seedlings
4011	to vertical mowing.	against Rhizoctonia disease. 4023
Plant protection. Bulletin of the Plant Disease Station of Geneva. October.	POA PRATENSIS	POTATOES
4012	Chemical control of stripe smut in Merion Ken-	Comparative interactions of Erwinia carotovora
Plant protection. Bulletin of the Plant Disease Station of Geneva. April.	tucky bluegrass.	and Ērwinia amylovora with pear and potato tissues.
4013	POISONING	4008
Domestic quarantine notices. Witchweed. Regulated areas.	Philippine field rats and their control. 4093	Illustrative scales for the evaluation of potato scab and Rhizoctonia infection.
4067	Organic phosphate poisoning of sheep in Skull	4024
Control of Orobanche under natural and artifically infested conditions.	Valley, Utah. 4304	Plant virus diseases in Turkey which are transmitted by insect vectors.
4068	Experimental studies on the ammonia poisoning	4036
Some remarks on plant protection preparation-tolerances.	of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood.	Life cycle and reproduction of Meloidogyne hapla on potato.
4292	4305	4052
The first maximum dosage regulation for plant	Environmental nitrates and animal health.	Golden nematode found in Delaware. 4056
protection preparations in the Federal Republic	Some recent aspects of veterinary toxicology:	Perennial bindweeds.
of Germany.	Attempted comparison with human toxicology.	4074
PLANT OUARANTINE	4316	Chemical weed control in potato (Solanum tu-
The plant protection import controls in Bavaria.	POISONOUS FUNGI	berosum L.). A review.
3918	British poisonous plants. 4308	The effectiveness of the newer herbicides for the
Domestic quarantine notices. Witchweed. Regu-	POISONOUS PLANTS	control of weeds in cultivated plants with special
lated areas.	Ragwort.	attention to weeds which are difficult to control.
Foreign quarantine notices. Nursery stock,	4073	In: Collection of reports given at the Interna- tional Herbicide Conference, Prague, June 21-
plants, and seeds. Importation.	22 plants poisonous to livestock in the Western	24, 1966.
4346	United States. 4109	4081
PLANT REGULATORS	Notes on toxicology: The clover.	Steroid alkaloids as compounds produced by
Gibberellin-induced asymmetric growth of apple fruits.	4122	potato tubers under stress. 4323
4318	British poisonous plants.	POULTRY
Hormonal regulation in higher plants.	4308	Insects and mites of livestock and in farm
4319	Proceedings of the American College of Veteri-	buildings. 3792
Growth regulator survey for activity in inducing	nary Toxicologists, 1967.	
parthenocarpy in the highbush blueberry. 4324	POISONS	Enumeration of bacteria on poultry carcass skin. (Abstract).
Effect of seeded fruits and foliar-applied auxin	Weeds mean waste Know your weeds and how to	4094
on seedless fruit set of pear the following year.	control them.	Abstracts of papers presented at the 57th Annual
4332	Current status of methods for identifying pesti-	Meeting of the Poultry Science Association. 4102
Chemical regulators in horticulture.	cides, a survey. (JPRS 32,031)	Serological typing of mycobacteria for tracing
PLANT TAXONOMY	4303	possible sources of avian mycobacterial infec-
Stability of taxonomic characters in cultures of	POLLINATION	tions in man.
Diplodia and related genera as influenced by	Effect of seeded fruits and foliar-applied auxin on seedless fruit set of pear the following year.	Efficacy of several drugs for control of poultry
various carbon sources. (Abstract).	4332	nematodes. (Abstract).
PLANTATIONS	POLYGONUM CONVOLVULUS	4272
Spore dispersal by Scleroderris lagerbergii under	Perennial bindweeds. 4074	POULTRY DISEASES
nursery and plantation conditions.	POLYMORPHISM	Hemagglutinins induced in chickens with Mycoplasma gallisepticum infection. (Abstract).
4007	Hereditary nature of the two forms of Argyro-	4108
PLANTING Avoid yellow dwarf virus by late sowing.	gramma albostriata (Bremer and Grey) (Noc-	Duck virus enteritis (duck plague). Interstate
3981	tuidae, Plusiinae).	movement.
PLANTS	POLYPLOIDY	Inherited resistance to sulfaquinoxaline toxicity
Soil fumigation at Boskoop.	The influence of the genotype on the frequency	in the chicken. (Abstract).
Pagulating the chipment of living pasts	of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster.	4111
Regulating the shipment of living pests, pathogens and vectors.	3897	Intestinal histology of vitamin A deficient chicks. (Abstract).
4345	POPULATION	(Abstract).
Foreign quarantine notices. Nursery stock,	The entomology of the Isle of Rhum National	Newcastle disease virus. Characteristics of a
plants, and seeds. Importation.	Nature Reserve. 3775	strain (2425) isolated in Cordoba, Argentina in
PLASMA MEMBRANE	Host resistance reflected in differential ne-	1961. II. Comparative study of immunologic relationships and cellular affinities.
Effect of dietary lipids upon the lipase, pan-	matode population structures.	4116
creatic cholesterol esterase, plasma triglyceride	4058	Comparison of attenuated live Pasteurella mul-
and total plasma lipids level in the chick. (Abstract).	Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize).	tocida given in drinking water to an oil-base bacterin administered to turkeys. (Abstract).
4261	4141	4117
PLASMODIUM	POPULUS	Experimental control Mycoplasma meleagridis
Comparative studies of the development of	A contribution to the study of the pemphigose of	in turkeys by the temperature differential
Plasmodium cynomolgi bastianellii in Ånopheles stephensi and A. albimanus.	poplars and its pathogen Pamphigus spirothecae. 4035	dipping of eggs in tylosin and spiramycin. (Abstract).
3860	POTASSIUM	4118
Heterologous immunity in avian hosts infected	Changes in insecticide sensitivity in the bean	Penetration and development of Eimeria maxima
with Plasmodium relictum and Plasmodium lophurae.	weevil Acanthoscelides obtectus Say, brought about by induced pigment formation.	sporozoites and the static effect of decoquinate. (Abstract).
	and a promote to matter.	(110511401).

The pathology of avian osteodystrophy. (Abstract).
Notice of filing of petition for food additives.
Factors related to immunity of chickens to coccidiosis. (Abstract).
Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate.
Proteins before and after inoculation with RSV. (Abstract).
Epizootiology of influenza in turkeys. (Abstract).
The efficacy of trans and cis vitamin A. (Abstract).
Relationship of biotin to leg weakness in turkeys. (Abstract). 4161
Activity of decoquinate against field strains of chicken coccidia. (Abstract).
Floor pen evaluations of the anticoccidial effects of decoquinate on single and mixed species of chicken coccidia. (Abstract).
Pathogenesis of infectious synovitis in gnotobiotic chickens. (Abstract).
Control of Mycoplasma meleagridis infection in turkeys. (Abstract).
Nicarbazin. Drugs for veterinary use; drug efficacy study implementation.
Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract).
The linoleic acid requirement of the hen for reproduction. (Abstract).
Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens.
Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract).
The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract). 4198
Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract).
4201 Dietary amino acids and muscular dystrophy. (Abstract).
4203 Amino acids Versus protein in low protein cage-
layer diets. abstract).
4206

Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Ab-

The infectious bursal agent and pathology of the

Investigation of some enzymatic activities (GOT,

GPT, aldolase, LDH, LDP, SDH) in the liquid amnio-allantoids of healthy chick embryos or

The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory

4133

those infected with newcastle disease virus.

stract).

disease. (Abstract).

tract. (Abstract).

Amino acids and isonitrogenous turkey starter diets. (Abstract).	mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with
The effect of added energy on induced	powdery mildew (Erysiphe graminis F. tritici DC March).
Mycoplasma gallisepticum infection in broilers.	4009
(Abstract). 4212	PRATYLENCHUS PENETRANS Influence of six cover crops on population density of Pratylenchus penetrans.
Field significance of Mycoplasma meleagridis infection. (Abstract).	4046
4214	PREDACEOUS INSECTS
Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract).	Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer.
4216	
Buquinolate-A review.	Mortality of mature beetles lps typographus (L.) (Col., Scolytidae) in the galleries and its causes. 3799
Specificity of the chick's requirement for choline. (Abstract). 4221	Natural enemies of Laspeyresia pomonella L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity.
	3819
Fumigation and reuse of broiler litter. (Abstract).	Description of the larva of Parena (Parena) per- forata (Bates), with some notes on its life history
	(Carabidae).
Shell quality effect on Salmonella penetration. (Abstract).	3825
4225	The oleander scale, Pseudaulacaspis pentagona
Egg transmission studies of Type 11 leukosis infection (Marek's disease).	(Targ.), (Homoptera, Coccidae) in Bermuda.
4230	PREGNANCY
The levels of Type II infection (Marek's disease)	Ovarian cysts in cattle and its therapy with
in 8-week-old chickens processed at dressing plants. (Abstract).	Gestafortin and prolan preparations.
4231	PROCESSING
Effect of an iodophor on shelf life of poultry. (Abstract).	Process for the production of substituted triazines. Patent 3,428,636.
4238	4337
Avian virus-induced tumors.	PRODUCTIVITY
4242	Sulfur amino acid requirement of laying hens.
Therapeutic efficacy of ronidazole in water	(Abstract).
against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract).	Effect of nitrofurazone and furazolidone on
4245	reproduction in chickens.
Optimum destruction of rachitogenic activity of	
C-1 protein. (Abstract).	Influence on egg quantity and quality with sorghum grain does supplemented with corn oil
Effect of prolonged infection by intestinal coc-	and/or furazolidone. (Abstract).
cidia upon zinc-65 and oleic acid absorption in	PROLAN
broilers. (Abstract).	Ovarian cysts in cattle and its therapy with
Mid small intestinal parasitism and absorption of	Gestafortin and prolan preparations.
amino acids and protein. (Abstract).	PROMETRYNE 4186
4251	PROMETRYNE The lasting influence of triazines and the effect
Role of the cuticle in egg spoilage. (Abstract). 4253	of herbicide mixtures in the treatment of corn.
Hematology of an inherited anemia in the domestic fowl.	In: Collection of reports given at the Interna- tional Herbicide Conference, Prague, June 21-
4256	24, 1966. 4064
Effect of environmental temperature on iron	
deficiency anemia in Athens-Canadian random- bred chicks.	New herbicides for controlling weeds in upland rice.
4257	4076
Persistance of Mycoplasma meleagridis in the genitalia of experimentally infected turkeys. (Abstract).	Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference,
4263	Prague, June 21-24, 1966.
Effect of spectinomycin on experimentally in-	4083
duced Arizona group infection in turkeys. (Abstract).	Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague,
4265	June 21-24, 1966.
A study of carcasses condemned for skin leuko-	4086

Description of the larva of Parena (Parena) perforata (Bates), with some notes on its life history (Carabidae). The oleander scale, Pseudaulacaspis pentagona (Targ.), (Homoptera, Coccidae) in Bermuda. 4043 REGNANCY Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186 ROCESSING Process for the production of substituted triazines. Patent 3,428,636. 4337 RODUCTIVITY Sulfur amino acid requirement of laying hens. (Abstract). Effect of nitrofurazone and furazolidone on reproduction in chickens. Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186 The lasting influence of triazines and the effect of herbicide mixtures in the treatment of corn. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. New herbicides for controlling weeds in upland rice. Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966.

Chemical weed control in sunflower cultures. In:

Collection of reports given at the International

Herbicide Conference, Prague, June 21-24,

The influence of herbicides on the morphology

of cereal cultures. In: Collection of reports given at the International Herbicide Conference,

New herbicides for controlling weeds in upland

4076

Prague, June 21-24, 1966.

PROPANIL

Salmonella organisms in poultry feeds. (Ab-

The identity of Phyllactinia on winged elm in

Resistance to benomyl in powdery mildew of cu-

The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery

4284

3965

sis. (Abstract).

POWDERY MILDEW

stract).

curbits.

SUBJECT INDEX

PROTAMONE

PROTAMONE Influence of protamone on bone fragility of caged hens. (Abstract).	PSEUDOTSUGA MENZIESII Susceptibility of coastal form and central Montana Douglas-fir to Arceuthobium douglasii.	QUERCUS The alternate generation of Callirhytis quercus- suttonii (Bassett)(Hymenoptera: Cynipoidea).
4103	4025	4038
PROTEINS Changes in soluble proteins during foot-pad development in Sarcophaga bullata.	PTERIDIUM AQUILINUM New antheridiogen from the fern Onoclea sensibilis.	QUERCUS STELLATA Spraying post oak brush pays dividends. 4084
The relation of protein level of alfalfa meals to	PTESIMOGASTER GUNDLACHII On the status of Cresson's Stenophasmus species	QUERCUS VIRGINIANA Live oak in Mississippi infected by Endothia parasitica.
their vitamin K activity. (Abstract). 4130 Effect of energy-protein balance, energy intake	from Cuba (Hymenoptera: Braconidae: Doryctinae).	RABBITS 3992
and methionine on growth and body composition of ducklings. (Abstract).	PUBLIC HEALTH The first maximum dosage regulation for plant	Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary.
The amino acid deficiencies of blood meal for the chick.	protection preparations in the Federal Republic of Germany.	4167 Lymphoepithelial tissues of the intestine and differentiation of antibody production.
Proteins before and after inoculation with RSV. (Abstract).	PUCCINIA CORONATA Crown rust of oats in Canada in 1968. 3958	RADIATION 4213
Amino acids Versus protein in low protein cage- layer diets. abstract).	PUCCINIA GRAMINIS Stem rust of wheat in Canterbury. 3953	The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897
4206 Cobalt and vitamin C for chicks. (Abstract).	PUCCINIA RECONDITA	Ticks of the National Reactor Testing Station.
4210	Leaf rust of wheat in Canada in 1968. 3999	RADIOACTIVE TRACERS
Cottonseed meal, lysine, and methionine for layers. (Abstract).	PUPAE Changes in soluble proteins during foot-pad development in Sarcophaga bullata.	New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata). 3820
Lysine requirement of the growing chick. (Abstract).	3821 A description of the developmental stages of	Incorporation of palmitate-I-CI4 into lipids of the blowfly during flight.
4233 Optimum destruction of rachitogenic activity of	Ctenophora guttata Wied. and a review of the Czechoslovak species of the genus Ctenophora	3892 RADIOACTIVITY
C-1 protein. (Abstract).	(Dipt., Tipulidae).	Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar,
Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251	PUTO Meiosis in the male of Puto albicans (Coccoidea-Homoptera).	Malacosoma neustria testacea. 3881 The influence of feed and water restriction and
PROTOZOA	3894	pitressin administration upon thyroxine secretion
Mortality of mature beetles Ips typographus (L.)	PYRALIDAE Studies on sex pheromones of Pyralididae.	in domestic fowl.
(Col., Scolytidae) in the galleries and its causes. 3799 The natural occurrence of surra in the African	Changes in the quality of the sex pheromone in the female almond moth, Cadra cautella Walker (Phycitinae).	Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251
longhaired fox. 4236	(Friyettinae). 3841	RAGIMILLET
PRUNING Disease and insect control in home orchards. 3983	The influence of photoperiod and temperature on the induction of diapause in mulberry pyralid, Glyphodes pyloalis Walker.	Transmission of the virus component of the ragi (Eleusine coracana) disease-complex in Mysore, India.
PSEUDALETIA UNIPUNCTA	3858 Studies on sex pheromones of pyralididae. II.	RAINFALL 4028
Record of the moth ear mite, Dicrocheles phalaenodectes, in Ohio (Acarina: Mesostigmata).	Mass rearing of virgin females of the almond moth, Cadra cautella Walker (Phycitinae). 3880	Some observations on the late occurrence of Peronospora on grapes in the period 1964-1966. 3966
3865	PYRAMIN	Spore dispersal by Scleroderris lagerbergii under
PSEUDAULACASPIS PENTAGONA The oleander scale, Pseudaulacaspis pentagona (Targ.), (Homoptera, Coccidae) in Bermuda.	Further test of the control of Avena fatua in sugar beets.	nursery and plantation conditions. 4007 RAMS
4043	PYRETHRUM	Ovine genital brucellosis. Epididmytis of the ram
PSEUDOCOCCIDAE A new species of Antonina Signoret from South Dakota with new records for A. boutelouae Par-	Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid.	(Brucella ovis). The utilization of a new antigen for the complement fixation test and intradermal reaction.
rott (Homoptera: Coccoidea: Pseudococcidae). 3757	3826 PYRIMIDINES	RANGES 4126
PSEUDOMONAS The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture.	Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens.	Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba.
PSEUDOMONAS AERUGINOSA	(Abstract).	RAPE 4295
Role of the cuticle in egg spoilage. (Abstract). 4253 PSEUDOMONAS PHASEOLICOLA	PYRRHOCORIS APTERUS An autosomal recessive gene in Pyrrhocoris. 3903	Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and Aphidiidae.
Identification of races of Pseudomonas phaseolicola from Quebec bean fields.	PYTHIUM ULTIMUM Fungus diseases of cotton seedlings in Egypt.	RASPBERRIES 3853
4022 PSEUDOMONAS SYRINGAE	QUANTITATIVE ANALYSIS	Raspberry moth. 4039
Pseudomonas syringae infection of sweet cherry fruit in Utah.	Current status of methods for identifying pesticides, a survey. (JPRS 32,031)	RATS Philippine field rats and their control.
3934	4303	4093
PSEUDORABIES VIRUS Studies on several strains of pseudorabies (Au-	QUARANTINE Mexican fruit containment. 3879	Spontaneous tumors of the brain in rats: A report of 3 cases.
jeszky) virus showing different virulence by means of the immuno- and acridine orange fluorescence.	Regulating the shipment of living pests, pathogens and vectors.	Spontaneous tumors in Holtzman-source rats of various ages.
10//	Patriogens and vectors:	4226

Epizootics of trichinosis in pigs and its relation with antisrat procedures using warfarin.	Estrogenic activity of o,p'-DDT in the mam- malian uterus and avian oviduct.	RHIZOCTONIA Stem and root diseases of beans.
4227	4095	3941
Trichinella spiralis infection in Rattus norvegicus from the municipal abattoir of Santiago, Chile.	The effects of reserpine on the reproductive per- formance of breeder turkeys receiving artificial	Tests on dry fumigation of potato seedlings against Rhizoctonia disease.
4228	insemination.	4023
ED CLOVER Host resistance reflected in differential ne-	4106 Emtryl and antibiotics for turkey breeders. (Ab-	Illustrative scales for the evaluation of potato scab and Rhizoctonia infection.
matode population structures.	stract).	4024
4058	4112	RHIZOCTONIA GOSSYPII
ED WATER DISEASE Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract).	Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123	Fungus diseases of cotton seedlings in Egypt.
4111	Effect of nitrofurazone and furazolidone on	RHIZOSPHERE Nematodes associated with bananas in the Wind-
EGENERATION	reproduction in chickens.	ward Islands.
On ocular regeneration in Lithobius forficatus L.	4169	4048
(Myriopoda Chilopoda).	The linoleic acid requirement of the hen for	RHODNIUS PROLIXUS
EGULATIONS 3832	reproduction. (Abstract).	Study of the morphogenesis of the maxillary stylet of Rhodnius prolixus by transplantations of
Food additives permitted in the feed and drink-	REPRODUCTIVE ORGANS	incomplete stylogenetic organs.
ing water of animals or for the treatment of food- producing animals. Food additives permitted in	Changes in gonads and primary sexual characters	3862
food for human consumption. Buquinolate.	in triploid intersexes of Drosophila melanogaster (Diptera) exposed to the effect of different tem-	RHOPALOCERA Phylogenetic relationships within the
4098	peratures.	Rhopalocera on the basis of the functional
Duck virus enteritis (duck plague). Interstate	3842	morphology of the genital apparatus.
movement.	Phylogenetic relationships within the	3878
4110	Rhopalocera on the basis of the functional	RHOPALOSIPHUM PADI
Notice of filing of petition for food additive diethylstilbestrol.	morphology of the genital apparatus. 3878	Insecticide granules and virus in autumn-sown wheat.
4142	Persistance of Mycoplasma meleagridis in the	4041
Notice of filing of petition for food additives. 4143	genitalia of experimentally infected turkeys. (Abstract).	RIBONUCLEIC ACID Isolation and characterization of ribonucleic acid
Notice of filing of petition for food additive	4263	from Musca domestica (L.).
nitrodan.	RESEARCH The present state of research and of the control	3798
Embryostat (oxytetracycline powder). Drugs for	The present state of research and of the control of rice pests.	Study on attractant of the rice stem borer, Chilo
veterinary use, drug efficacy study implementa-		suppressalis Walker. 3835
tion. 4173	The present state of grape culture virus research.	
	Studies on weed control in groundnut (Arachis	The present state of research and of the control of rice pests.
Nicarbazin. Drugs for veterinary use; drug effica-		
		3924
cy study implementation.	hypoceae) - a review.	3924 Occurrence of Ephelis on rice variety IR-8 and
cy study implementation.	hypoceae) - a review.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India.
cy study implementation.	hypoceae) - a review.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India.
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval.	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce.	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields.
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors.	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock,	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation.	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346	hypoceae) - a review. RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre.	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract).
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967. 3915 The plant disease observatory of Milan.	hypoceae) - a review. 4082 RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract).
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967.	hypoceae) - a review. RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247 RING SPOT
cy study implementation. 4174 Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967. 3915 The plant disease observatory of Milan. 3940 Abstracts of papers presented at the 57th Annual	hypoceae) - a review. RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits. 4003 RESPIRATORY DISEASES Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247 RING SPOT Supplement to the Plant Protection bulletin.
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cy study implementation. Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967. 3915 The plant disease observatory of Milan. 3940 Abstracts of papers presented at the 57th Annual Meeting of the Poultry Science Association. 4102 Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). 4201 EPRODUCTION Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in the University of Cambridge. 3800 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein	RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits. 4003 RESPIRATORY DISEASES Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYNCYTIAL VIRUS Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYSTEM The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134 RETINA Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247 RING SPOT Supplement to the Plant Protection bulletin. 3923 Investigations on hydrangea ring spot virus and proof of its presence in Italy. 394.2 RINGWORM Latent skin fungus infections in animals and their importance for the epidemiology of animal an 1 human dermatomycoses. 4119 RODENT CONTROL Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin.
cy study implementation. Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967. 3915 The plant disease observatory of Milan. Abstracts of papers presented at the 57th Annual Meeting of the Poultry Science Association. 4102 Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). 4201 EPRODUCTION Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in the University of Cambridge. 3800 The effect of essential amino acid deficiency on	RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits. 4003 RESPIRATORY DISEASES Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYNCYTIAL VIRUS Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYSTEM The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134 RETINA Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta. 3807 RHADINOCERAEA REITTERI	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247 RING SPOT Supplement to the Plant Protection bulletin. 3923 Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942 RINGWORM Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses. 4119 RODENT CONTROL Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 42 :7 RODENTS Controlling household pests.
cy study implementation. Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967. The plant disease observatory of Milan. Abstracts of papers presented at the 57th Annual Meeting of the Poultry Science Association. 4102 Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). 4201 EPRODUCTION Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in the University of Cambridge. 3800 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.).	RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits. 4003 RESPIRATORY DISEASES Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYNCYTIAL VIRUS Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYSTEM The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134 RETINA Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta.	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020 Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247 RING SPOT Supplement to the Plant Protection bulletin. 3923 Investigations on hydrangea ring spot virus and proof of its presence in Italy. 394.2 RINGWORM Latent skin fungus infections in animals and their importance for the epidemiology of animal an 1 human dermatomycoses. 4119 RODENT CONTROL Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 42 :7 RODENTS Controlling household pests. 3790 The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species.
cy study implementation. Irradiated food: FDA blocks AEC, Army requests for approval. 4286 Experiences with residue research in lettuce. 4291 Regulating the shipment of living pests, pathogens and vectors. 4345 Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346 EPORTS Report of the Anti-Locust Research Centre. 3883 Plant protection Annual Report 1967. The plant disease observatory of Milan. 3940 Abstracts of papers presented at the 57th Annual Meeting of the Poultry Science Association. 4102 Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). 4201 EPRODUCTION Insects and physiology; essays presented to Sir Vincent Wigglesworth, CBE, MD, FRS on his retirement from the Quick Chair of Biology and directorship of the Unit of Insect Physiology in the University of Cambridge. 3800 The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (Musca domestica L.).	RESERPINE The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106 RESIDUES Experiences with residue research in lettuce. 4291 Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements. 4301 RESISTANCE Resistance to benomyl in powdery mildew of cucurbits. 4003 RESPIRATORY DISEASES Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYNCYTIAL VIRUS Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215 RESPIRATORY SYSTEM The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134 RETINA Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta. 3807 RHADINOCERAEA REITTERI A contribution to the bionomics and morphology	Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. Bloodwormspests of rice. 4037 Further research on the control of Echinochloa in rice fields. 4060 New herbicides for controlling weeds in upland rice. 4076 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296 RICKETS Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247 RING SPOT Supplement to the Plant Protection bulletin. 3923 Investigations on hydrangea ring spot virus and proof of its presence in Italy. 394:2 RINGWORM Latent skin fungus infections in animals and their importance for the epidemiology of animal an 1 human dermatomycoses. 4119 RODENT CONTROL Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 42:7 RODENTS Controlling household pests. 3790 The insect fauna in the burrows of the long-

RHIZOBIUM

The effects of increasing molybdenum rates on building of dry material of clover.

Life cycle and reproduction of Meloidogyne hapla on potato.

4052

The present state of research and of the control of rice pests.

On the value of our birds.

4322

3924

SUBJECT INDEX

RONIDAZOLE

Damages done to beet seeds by the forest mouse	Oxidation of D-malic and beta-alkylmalic acids	SEED GERMINATION
(Apodemus sylvaticus).	by wild-type and mutant strains of Salmonella ty- phimurium and by Aerobacter aerogenes.	Biochemistry of plant immunity and dormancy as the foundation for the crop protection against
RONIDAZOLE	4240	diseases and germination.
Therapeutic efficacy of ronidazole in water	SALMONELLOSIS	3985
against histomoniasis and effect of continuous	A contribution to the salmonellosis of cattle and	SEED TREATMENT
feed levels on growth in turkeys. (Abstract).	its therapy.	Why is the disinfection treatment of corn seeds
RONNEL	4243	absolutely necessary . 4030
Notice of filing of petition for food additive ron-	SANITATION	SEED-BORNE PLANT DISEASES
nel.	Contribution to the study of hydrogen sulfide poisoning of domestic animals.	Why is the disinfection treatment of corn seeds
4096	4311	absolutely necessary.
ROOT CROPS	SANNINOIDEA EXITIOSA	4030
Distribution, importance and problems of herbi- cide use in Yugoslavia. In: Collection of reports	Disease and insect control in home orchards.	SEEDLINGS Fungus diseases of cotton seedlings in Egypt.
given at the International Herbicide Conference,	3983	3972
Prague, June 21-24, 1966.	SARCOPHAGA BULLATA	Virginia pine, a new host for Cronartium coman-
4083	Changes in soluble proteins during foot-pad	drae.
ROOT ROT Hybrid corn yield reduction by stalk and root rot	development in Sarcophaga bullata. 3821	3993
in Nebraska.	SATSUMA ORANGES	Detectable levels of Xanthomonas malvacearu in cotton gin debris with the seed-soak method.
4027	Plant virus diseases in Turkey which are trans-	4002
ROOTS	mitted by insect vectors.	Corn marigold (goldings, yellow oxeye, yellow
Notes on the parasites of the root aphids	4036	bottle).
(Hymenoptera, Aphidiidae).	SAUSAGES	4072
ROSA	Irradiation treatment on wiener sausage with	SEEDS
The forage plants of Rhagades pruni Schiff.	gamma-ray.	Survival of the soybean cyst nematode in seed stocks.
3828	4285	stocks. 4049
Diseases and parasites of the rose.	SCAB Fruit disease problems and new approaches to	Gibberellin-induced asymmetric growth of apple
3956	Fruit disease problems and new approaches to their controls.	fruits.
ROTENONE	3975	4318
Insect control for garden vegetables.	Illustrative scales for the evaluation of potato	Effect of seeded fruits and foliar-applied auxin
lateraction of antimycin A and rotenone in fish	scab and Rhizoctonia infection.	on seedless fruit set of pear the following year. 4332
bioassays.	4024	Foreign quarantine notices. Nursery stock,
4097	SCARABAEIDAE	plants, and seeds. Importation.
ROTYLENCHULUS	Three new records of the genus Phanaeus from	4346
Nematodes associated with bananas in the Windward Islands.	Georgia (Coleoptera: Scarabaeidae).	SENECIO JACOBAEA
ward Islands.	SCLERODERRIS LAGERBERGII	Ragwort. 4073
ROUS SARCOMA VIRUS	The effect of temperature on ascospore release	SENSE ORGANS
Proteins before and after inoculation with RSV.	by Scleroderris lagerbergii.	Insects and physiology; essays presented to Sir
(Abstract).	3928	Vincent Wigglesworth, CBE, MD, FRS on his
4153	Spore dispersal by Scleroderris lagerbergii under	retirement from the Quick Chair of Biology and
A new leaf spot of para rubber (Hevea brasilien-	nursery and plantation conditions. 4007	directorship of the Unit of Insect Physiology in the University of Cambridge.
sis) in Nigeria.		3800
3936	SCLEROSPORA GRAMINICOLA Effect of Sclerospora graminicola infection on	SEPTICEMIA
RUMINANTS	total nitrogen content and free amino acid com-	Observations on septicemia of cattle caused by a
Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale	position of Bajra plants.	Haemophilus-like organism. 4211
anaemia in lactating cows.	3995	SEPTORIA
4152	SCLEROTINIA SCLEROTIORUM	Studies of Leptosphaeria avenaria f. sp. triticea
Investigations on Coccidia in zoo ruminants.	Stem and root diseases of beans. 3941	on wheat in North Dakota.
4195	SCLEROTIUM ROLFSII	3970
RUSSIAN SPRING-SUMMER ENCEPHALITIS	Stem and root diseases of beans.	SERODIAGNOSIS Polyvalent parainfluenza CF antigen for
Isolation of the tick-borne encephalitis virus from the squirrel Sciurus vulgaris.	3941	serodiagnosis.
4168	SCOLYTIDAE	4166
RUTHENIUM ISOTOPES	Mortality of mature beetles Ips typographus (L.)	SEROLOGICAL TESTS
New data on accumulation of \$35 and Ru106 by	(Col., Scolytidae) in the galleries and its causes.	Isolation of the tick-borne encephalitis virus from the squirrel Sciurus vulgaris.
dragonfly nymphs (Odonata). 3820	The toxic action of a minture of comma PHC	4168
SALIVARY GLANDS	The toxic action of a mixture of gamma-BHC and EDB to Cryphalus fulvus Niijima. Studies on	Serological typing of mycobacteria for tracing
Salivary gland chromosome variation in the	the control of forest pests. V.	possible sources of avian mycobacterial infec-
Drosophila affinis subgroup. II. Comparison of	3857	tions in man.
C-chromosome patterns in D. athabasca and five related species.	SEASONAL VARIATION	Towards the eradication op bovine tuberculosis.
3899	To the fauna of ixodid ticks of Mongolia.	4172
SALMONELLA	SECRETION 3744	Progress of the Soviet virology in foot-and-
Shell quality effect on Salmonella penetration.	SECRETION Insects and physiology; essays presented to Sir	mouth disease studies.
(Abstract).	Vincent Wigglesworth, CBE, MD, FRS on his	4181 The use of serologic methods for the control of
Salmonella organisms in poultry feeds. (Ab-	retirement from the Quick Chair of Biology and	The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract).
stract).	directorship of the Unit of Insect Physiology in	4198
4289	the University of Cambridge.	A survey of Brucella infection of cattle in Kenya.
SALMONELLA DUBLIN	Size independent secretion by the corpus allatum	A comparison of four serological tests for the
A contribution to the salmonellosis of cattle and its therapy.	of Calliphora erythrocephala.	diagnosis of infection.
4243	3843	Symposium on Brucellosis in Ireland. I. Brucello-
SALMONELLA TYPHIMURIUM	The influence of feed and water restriction and	sis: Bacteriology and epidemiology. Il. Brucello-
Effect of an iodophor on shelf life of poultry. (Abstract).	pitressin administration upon thyroxine secretion in domestic fowl.	sis: Serological diagnosis. III. Vaccines and bru- cellosis.
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

A meningioma in a cat associated with erosion of the skull.

Morphological variation in the sugarcane smut,

Buggy-whip of corn and its relation to the incidence of common smut.

Insect control for garden vegetables.

Ustilago scitaminea Syd.

SKULL

SLUGS

SERUM

SESIIDAE

SEX ATTRACTANTS

human dermatomycoses.

sis. (Abstract).

A study of carcasses condemned for skin leuko-

4284

Biochemical research on hog cholera. Behavior

An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections.

Bembecia pectinata Stgr. and its first stages. (Lepidoptera, Sesiidae).

of some enzymatic activities in the serum.

SOIL-BORNE PLANT DISEASES

absolutely necessary.

SOLIERELLA NITRARIA

SORGHUM

by Scleroderris lagerbergii.

The effect of temperature on ascospore release

SPORES

3810

3928

4090

3916

Why is the disinfection treatment of corn seeds

OLIERELLA NITKAKIA Solierella nitraria sp. n. (Hym., Sphecidae). 3763

Evaluation of various bird-resistant and non-re-

sistant varieties of grain sorghum for use in

Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract).

Studies on sex pheromones of Pyralididae.	cidence of common smut.	Influence on egg quantity and quality with
Changes in the quality of the sex pheromone in	SOCIAL INSECTS	sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract).
the female almond moth, Cadra cautella Walker	Geographic distribution of the ant genus For-	4223
(Phycitinae).	mica (Ĥymenoptera: Formicidae).	SORGHUM HALEPENSE
The use of attractants in pest control. 2. Sex at-	3750	Distribution and host range of maize dwarf mosa-
tractants.	Some biological notes on Bombus ignitus Smith	ic virus in Virginia.
3848	with special reference to the nest structure (Hym. Apidae).	SOYBEAN MEAL
Studies on sex pheromones of pyralididae. II.	3834	Influence of dietary fat, soybean meal treatment
Mass rearing of virgin females of the almond	Honeybees: Do they use direction and distance	and antibiotic supplementation on growth of
moth, Cadra cautella Walker (Phycitinae).	information provided by their dancers.	chicks fed different carbohydrates.
SHEEP	3889	4120
Insects and mites of livestock and in farm	SOCIETIES	Effect of methionine on a growth depression in-
buildings.	Bulletin of the Entomological Society of America.	duced by supplementing a corn-soybean meal diet with lysine.
3792	3739	4151
Ovine genital brucellosis. Epididmytis of the ram	Abstracts of papers presented at the 57th Annual	Cottonseed meal, lysine, and methionine for
(Brucella ovis). The utilization of a new antigen for the complement fixation test and intradermal	Meeting of the Poultry Science Association.	layers. (Abstract).
reaction.	4102	4219
4126	SODIUM	SOYBEANS
Experiments on the loss of Dictyocaulus filaria	Studies on the sodium requirements of chicks.	Survival of the soybean cyst nematode in seed
from the lungs of infected sheep. II. The demon-	(Abstract).	stocks.
stration of worms in the bronchial spare mucus.	SODIUM CHLORIDE	SPECTINOMYCIN
4276	Salt and water transport by the in vitro	Effect of spectinomycin on experimentally in-
Further studies on the anthelmintic activity of I- tetramisole against gastro-intestinal helminths in	cockroach midgut.	duced Arizona group infection in turkeys. (Ab-
sheep.	3870	stract).
4279	Studies on the sodium requirements of chicks.	4265
The anaemia of acute and chronic ovine	(Abstract).	SPERMATOCYTES The non-render observed acceptance in
fascioliasis.	SODIUM PROPIONATE	The non-random chromosome segregation in spermatocytes of Gryllotalpa hexadactyla. A
4280	Sodium propionate. Drugs for veterinary use;	micromanipulation analysis.
Organic phosphate poisoning of sheep in Skull Valley, Utah.	drug efficacy study implementation.	3896
4304	4175	SPHAEROPSIS
SHRUBS	SOFT ROT	Stability of taxonomic characters in cultures of
The San Jose scale a pest of ornamental shrubs.	Aglaonema pictum, a new host of Erwinia	Diplodia and related genera as influenced by various carbon sources. (Abstract).
4033	chrysanthemi.	4330
SIMAZINE	SOGATELLA	SPHAEROTHECA FULIGINEA
Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports	Transmission of the virus component of the ragi	Resistance to benomyl in powdery mildew of cu-
given at the International Herbicide Conference,	(Eleusine coracana) disease-complex in Mysore,	curbits.
Prague, June 21-24, 1966.	India. 4028	SPILECIDAE 4003
4083	SOIL ANALYSIS	SPHECIDAE Solierella nitraria sp. n. (Hym., Sphecidae).
Chemical control of weeds in the Hungarian	Possibilities for Botrytis cinerea control, espe-	3763
vineyards. In: collection of reports given at the International Herbicide Conference, Prague,	cially in tomatoes.	SPHECOIDEA
June 21-24, 1966.	4019	Sphecoidea from the Ryukyus and Formosa
4086	SOIL CONTAMINATION	(Hymenoptera).
The influence of herbicides on the morphology	Research into environmental pollution. 4290	3783
of cereal cultures. In: Collection of reports given	SOIL FUMIGATION	SPIDERS Studies on the insect fauna on Scotch broom
at the International Herbicide Conference, Prague, June 21-24, 1966.	Soil fumigation at Boskoop.	Sarothamnus scoparius (L.) Wimmer.
4320	3925	3784
SIPHONAPTERA	SOIL INSECTS	SPIRAMYCIN
The insect fauna in the burrows of the long-	Larvae of injurious beetles (Coleoptera) in the	Experimental control Mycoplasma meleagridis
clawed mole-vole, a Caucasian endemic species.	soils of the Archeda Forest farm, Volgogard Province.	in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Ab-
SIZE	3795	stract).
Size independent secretion by the corpus allatum	SOIL MICROORGANISMS	4118
of Calliphora erythrocephala.	Soil fumigation at Boskoop.	Investigation of the residues of two antibiotics of
3843	3925	the macrolide family (oleandomycin and spira-
SKIN	Nematodes associated with bananas in the Wind-	mycin) in the tissues of chickens receiving anibiotic feed supplements.
Enumeration of bacteria on poultry carcass skin. (Abstract).	ward Islands.	4301
(Austract).	Nematodofauna of a mixed hornbeam-oak forest	SPONGES
SKIN DISEASES	soil and of the neighboring cultivated lands at	Use of freshwater sponge in case construction of
Latent skin fungus infections in animals and their	Bab near Nitra.	Limnephilus species (Trichoptera: Limne-
importance for the epidemiology of animal and	4055	philidae).

Harmlessness of herbicides for the biocenosis. In: Collection of reports geven at the International Herbicide Conference, Prague, June 21-24,

SUBJECT INDEX

SPOROZOA

Spore dispersal by Scleroderris lagerbergii under nursery and plantation conditions. 4007	SQUIRRELS Isolation of the tick-borne encephalitis virus from the squirrel Sciurus vulgaris.	STORAGE DISEASES Effect of an iodophor on shelf life of poultry (Abstract).
The rate of contamination in relation to the per-	4168	423
centage of infection in the parasitic diseases of plants.	STABLES Insects and mites of livestock and in farm buildings.	Irradiation treatment on wiener sausage with gamma-ray.
SPOROZOA	3792	STREBLIDAE 428:
Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate.	Disinfection in parasitoses. 4148	Faunal and ecological study on the families Nyc teribiidae and Streblidae (Dipt., Pupipara) of the
(Abstract).	STALK ROT Hybrid corn yield reduction by stalk and root rot	Nangahar Province (Eastern Afghanistan).
SPRAYING	in Nebraska.	STREPTOMYCES VIRIDOCHROMOGENES
Mexican fruit containment.	4027	Electron microscope examination of ultra-thin
3879	STARVATION	sections of Streptomyces viridochromogenes fo
How to prevent sun and heat damage to desert- grown tomatoes.	The conjugated plasma proteins in adult females of Periplaneta americana (L.) under starvation	hyphal anastomoses. 3910
3909	and other stress.	STRESS
Current status on chemical thinning of peaches	The influence of feed and water restriction and	The conjugated plasma proteins in adult female of Periplaneta americana (L.) under starvation
and pears in Michigan.	pitressin administration upon thyroxine secretion in domestic fowl.	and other stress.
Insect control for garden vegetables.	4100	Steroid alkaloids as compounds produced by
3916	STATISTICAL ANALYSIS	potato tubers under stress.
This may be the year for spray thinning. 3917	Reminiscence in the cold flour beetle (Tenebrio	4323
Stretch your pest control dollars.	molitor).	STRIGA
3922	On the occurrence and seasonal dynamic of Dip-	Domestic quarantine notices. Witchweed. Regulated areas.
Low temperature sprays for Dutch elm disease	tera, Tachinidae in the reservation area of Jasov.	4067
control.	3808	STRIPE SMUT
3957	Comparison of attenuated live Pasteurella mul-	Chemical control of stripe smut in Merion Ken-
Prevention of the spread of non-persistent plant	tocida given in drinking water to an oil-base bac- terin administered to turkeys. (Abstract).	tucky bluegrass.
viruses by oil spraying.	4117	Additional varieties of Agrostis palustris infected
Some observations on the late occurrence of	Spontaneous tumors in Holtzman-source rats of	by Ustilago striiformis var. agrostidis.
Peronospora on grapes in the period 1964-1966.	various ages. 4226	3968
3966	STATISTICAL METHODS	STRONTIUM
Disease and insect control in home orchards. 3983	Illustrative scales for the evaluation of potato	Factors affecting the oxidation of glycerol-l- phosphate by insect flight-muscle mitochondria.
New chemicals look good for weed control in	scab and Rhizoctonia infection.	3815
Michigan orchards.	STELLARIA MEDIA	Strontium metabolism in hens. (Abstract).
3994	The effectiveness of the newer herbicides for the	SUCROSE 4258
Field evaluation of some fungicides for control of leaf and stem rusts of wheat.	control of weeds in cultivated plants with special attention to weeds which are difficult to control.	Isolation and characterization of ribonucleic acid
4006	In: Collection of reports given at the Interna-	from Musca domestica (L.).
Brown rot control in Southern California.	tional Herbicide Conference, Prague, June 21-	3798
4015	24, 1966. 4081	SUGAR Size independent secretion by the corpus allatum
The peach twig borer and its control.	STEM ROT	of Calliphora erythrocephala.
The alternate generation of Callirhytis quercus-	Losses from fusarium stem rot caused by Fusari-	3843
suttonii (Bassett) (Hymenoptera: Cynipoidea).	um roseum, in production of cuttings of carnation, Dianthus caryophyllus.	SUGAR BEETS
4038	3969	Plant virus diseases in Turkey which are trans- mitted by insect vectors.
Some important aspects of cotton insect control.	STEM RUST	4036
4044	Stem rust of wheat in Canterbury.	Further test of the control of Avena fatua in
Defoliation effects on forest ecology. 4062	3953	sugar beets.
Weed control in fruits and nuts.	Air-borne rust inoculum over western Canada in 1968.	The effectiveness of the newer herbicides for the
4070	3962	control of weeds in cultivated plants with special
Weed control in vegetables.	Field evaluation of some fungicides for control of	attention to weeds which are difficult to control.
4071	leaf and stem rusts of wheat.	In: Collection of reports given at the Interna-
Ragwort. 4073	Occurrence of Cronartium comptoniae in the	tional Herbicide Conference, Prague, June 21-24, 1966.
Defoliation effects on forest ecology.	Maritime Provinces.	4081
4080	4018	SUGARCANE Morphological variation in the sugarcane smut,
Chemical weed control in sunflower cultures. In:	STEMPHYLIUM A flower blight of chrysanthemum in South	Ustilago scitaminea Syd.
Collection of reports given at the International	Florida.	3920
Herbicide Conference, Prague, June 21-24, 1966.	3955	SULFADIMETHOXINE
4087	STERILITY Mexican fruit containment.	Sulfadimethoxine injectable. Drugs for veterina- ry use; drug efficacy study implementation.
Reduction of preharvest drop and water spot of	Mexican fruit containment.	4180
navel oranges in Southern California. 4331	STEROIDS	Safety and compatability of sulfadimethoxine
	The anabolic steroids and their use in veterinary	potentiated mixture (Ro 5-0013), a new broad
What you should know about concentrate spraying.	therapeutics. 4099	spectrum coccidiostat-antibacterial, in chickens. (Abstract).
4342	Steroid alkaloids as compounds produced by	4185
SPRAYING EQUIPMENT	potato tubers under stress.	Anticoccidial activity of sulfadimethoxine poten-
Stretch your pest control dollars. 3922	STOPACE 4323	tiated mixture (Ro 5-0013) in chickens.
The use of the pre-emergence herbicide Avadex	STORAGE Effect of storage on cottonseed and cottonseed	Antibacterial activity of sulfadimethoxine poten-
and Avadex BW in the band spraying method.	products.	tiated mixture (Ro 5-0013). (Abstract).
4343	4283	4197

SULFANILAMIDE Safety and compatability of sulfadimethoxine	Growth regulator survey for activity in inducing parthenocarpy in the highbush blueberry.	Buggy-whip of corn and its relation to the incidence of common smut.
potentiated mixture (Ro 5-0013), a new broad	4324	4017
spectrum coccidiostat-antibacterial, in chickens. (Abstract).	SUSANA ANNULATA	Illustrative scales for the evaluation of potato
(Abstract). 4185	The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae).	scab and Rhizoctonia infection. 4024
Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens.	SUCANA ODECONENCIO	Ragwort.
4196	SUSANA OREGONENSIS The genus Susana Rohwer and Middleton	4073
Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract).	(Hymenoptera: Tenthredinidae).	Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract).
4197	SUSANA PUNCTATA	4111
ULFAQUINOXALINE Inherited resistance to sulfaquinoxaline toxicity	The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae).	Enterotoxaemia of calves evoked by Clostridium perfringens type B. 4114
in the chicken. (Abstract).	3773	Notes on toxicology: The clover.
ULFISOXAZOLE	SUSANA RUFA	4122
Sulfisoxazole. Drugs for veterinary use; drug efficacy study implementation.	The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae).	Contribution to the study of bovine mastitis due to fungi.
4178	SWEETFERN BLISTER RUST	4125
ULFUR	Occurrence of Cronartium comptoniae in the	Leptospirosis in Argentina. Diffusion, morbidity
Controlling insects and other pests with phosphonothioates. Patent 3,428,655.	Maritime Provinces. 4018	and nosological map.
3850	SWINE	The infectious bursal agent and pathology of the
Sulfur amino acid requirement of laying hens. (Abstract).	Insects and mites of livestock and in farm buildings.	disease. (Abstract).
4156	3792	The pathology of avian osteodystrophy. (Ab-
The effect of different fungicides on the yeast flora during the treatment of grape vines.	Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum.	stract).
4329	4132	Towards the eradication op bovine tuberculosis.
ULFUR ISOTOPES New data on accumulation of S35 and Rul 06 by	Animal food composition. Patent 3,428,457.	4172
dragonfly nymphs (Odonata). 3820	Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation.	The mycotic abortions in the cow.
UNFLOWERS	4180	Contribution to the study of the treatment of
Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports	The animal adenoviruses.	bovine ketosis.
given at the International Herbicide Conference,	Epizootics of trichinosis in pigs and its relation	Observations on septicemia of cattle caused by a
Prague, June 21-24, 1966.	with anti-rat procedures using warfarin.	Haemophilus-like organism.
Chemical weed control in sunflower cultures. In:	4227	Mills faccasing the day
Collection of reports given at the International Herbicide Conference, Prague, June 21-24,	Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828).	Milk fever in the dog. 4262
1966.	4241	Contribution to the study of hydrogen sulfide
4087 URRA	Comparative toxicology of organic and inorganic arsenicals in swine.	poisoning of domestic animals.
The natural occurrence of surra in the African	4306	Chemical injury on Golden Delicious apples
longhaired fox.	Proceedings of the American College of Veteri-	treated with diphenylamine.
4236	nary Toxicologists, 1967.	4328
URVEYS	4309	SYNERGISM Studies on the ingrament of the office of these
To the fauna of ixodid ticks of Mongolia.	SYMPOSIA Symposium on Brucellosis in Ireland. 1. Brucello-	Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of
On the Orthopterous fauna in the south of the Krasnoyarsk Territory.	sis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and bru-	pyrethrosin with pyrethroid. 3826
3754	cellosis.	SYNERGISTS
Collembola fauna of Malta.	4260	Two types of carboxyesterase degrading
3774	SYMPTOMATOLOGY The training course of the European Plant Pro-	malathion in resistant houseflies and their inhibi- tion by synergists.
The entomology of the Isle of Rhum National Nature Reserve.	tection Organization in England. 3914	SVNIETA DETILI AE
3775	Notes on the International Meeting on Virus and	SYNETA BETULAE Leaf beetle larvae of the subfamily Eumolpinae
Materials to the knowledge of the scale insects fauna of Yugoslavia (Homoptera, Coccoidea).	Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967.	and of Syneta betulae F. (Coleoptera, Chrysomelidae).
A curvey of leaf miners and their paracites on	3938	3840
A survey of leaf-miners and their parasites on Laburnum.	Investigations on hydrangea ring spot virus and proof of its presence in Italy.	SYNTHESIS Pinocytosis during vitellogenesis in the meal-
Survey, screening, and breeding for bacterial	3942	worm, Tenebrio molitor L. (Coleoptera,
blight resistance in cotton.	Dutch elm disease detected in Alabama. 3947	Tenebrionidae). 3789
Support and he sterial diseases of anyoifers and ay	Virus diseases survey on citrus in the Black Sea	Control systems in insect development. (ab-
Fungal and bacterial diseases of crucifers and cu- curbits in western Ontario in 1967.	region.	stract).
3996	3951	SVDBUIDAE
Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at	A flower blight of chrysanthemum in South Florida.	SYRPHIDAE Chromosomes of Syrphidae. IV. Karyotypes of
Bab near Nitra.	3955	fourteen species in the tribe Chrysotoxini.
4055	Diseases and parasites of the rose. 3956	T, 2,4,5-
A survey of Brucella infection of cattle in Kenya. A comparison of four serological tests for the	Broad-bean stain and true broad-bean mosaic	Defoliation effects on forest ecology.
diagnosis of infection.	virus.	4062
4202	3960	Defoliation effects on forest ecology.
Mallophaga of domestic chickens from Cuba. 4268	Aglaonema pictum, a new host of Erwinia chrysanthemi.	TABANIDAE 4080
Current status of methods for identifying pesti-	3982	Climate and the phylogeny and distribution of
cides, a survey. (JPRS 32,031)	A new virus disease of Carica papaya in India.	Tabanidae. 3746
4303	4005	3/40

SUBJECT INDEX

TABLES (DATA)

The natural occurrence of surra in the African longhaired fox. 4236	Effect of rearing condition on growth and development of the silkworm, Bombyx mori L., on artificial diet. II.	TETRANYCHUS URTICAE Genetics of organophosphate resistance in th two-spotted spider mite (Tetranychus urtica
TABLES (DATA)	3882	Koch).
Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski.	Electrifying agriculture and horticulture. 3921	THELAZIA GULOSA
3758	The effect of temperature on ascospore release	Brief communication on the occurance of
Fauna and ecology of mosquitoes in the southern part of the Moscow district.	by Scleroderris lagerbergii.	thelaciaepathogens of an enzootic eye disease i cattle in the German Democratic Republic.
3770	Freezing and thawing of purified suspensions of	
Insects and mites of livestock and in farm	the tobacco mosaic virus and its effect on infec-	THELAZIA SKRJABINI
buildings. 3792	tivity. 3944	Brief communication on the occurance of the communication on the occurance of the cathering that the communication on the occurance of the cathering that is a cathering that the communication on the occurance of the cathering that is a cathering
Is it possible to predict apple moth infestations.	Low temperature sprays for Dutch elm disease	427
3868 Insect control for garden vegetables.	control. 3957	THERAPEUTICS The anabolic steroids and their use in veterinar
3916	Experimental control Mycoplasma meleagridis	therapeutics.
Chemical weed control in sunflower cultures. In:	in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Ab-	409 British poisonous plants.
Collection of reports given at the International	stract).	430
Herbicide Conference, Prague, June 21-24, 1966.	4118	THERMOTHERAPY
4087	Effect of environmental temperature on iron	Efficacy of fungicides, hot water and gamma-in
Harmlessness of herbicides for the biocenosis. In:	deficiency anemia in Athens-Canadian random- bred chicks.	radiation for control of postharvest fruit rots of
Collection of reports geven at the International	4257	papaya.
Herbicide Conference, Prague, June 21-24,	Effect of storage on cottonseed and cottonseed	
1966.	products.	THINNING (FRUIT) Current status on chemical thinning of peache
	4283	and pears in Michigan.
Influence of various chelating agents on absorp-	TENDIPEDIDAE	391
tion of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	On the determination of age structure of the lar-	This may be the year for spray thinning.
4105	vae of Tendipedidae (Diptera).	391
TACHINIDAE	3813	THINNING SPRAYS
On the occurrence and seasonal dynamic of Dip-	TENEBRIO MOLITOR	This may be the year for spray thinning.
tera, Tachinidae in the reservation area of Jasov.	Pinocytosis during vitellogenesis in the meal-	391
3808	worm, Tenebrio molitor L. (Coleoptera,	THIOCARBAMATES
Review of the parasitic Diptera of the genus	Tenebrionidae).	Diseases and parasites of the rose.
Eriothrix meigen (Diptera, Tachinidae) in the		395
USSR.	Reminiscence in the cold flour beetle (Tenebrio	Why is the disinfection treatment of corn seed
3838	molitor).	absolutely necessary.
TAHYNA VIRUS		403
Food sources of some mosquito species in the	Juvenile hormone: Activity of aromatic terpe- noid ethers.	Damages done to beet seeds by the forest mous
natural focus of Tahyna virus in southern Moravia.	3805	(Apodemus sylvaticus).
3854	TENEBRIONIDAE	THIOPHENOL
Hemagglutination inhibiting antibodies to ar-	On nocturnal darkling beetles of the genus	Pesticidal uses of thiosubstituted phenols. Pater
boviruses in the population of Hajdu-Bihar Dis-	Melanesthes Lac. (Coleoptera, Tenebrionidae)	3,443,012.
trict, Hungary.	from central Kazakhstan.	434
4167	3772	THIRAM
TARSONEMIDAE	TENTHREDINIDAE	Why is the disinfection treatment of corn seed
What the practitioner should know about	The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae).	absolutely necessary . 403
arthropods.	(Trymenoptera, Tentifiedinidae).	Damages done to beet seeds by the forest mous
TAXONOMY	TEPHRITIDAE	(Apodemus sylvaticus).
Contributions to the knowledge of Analgesoidea	Paratephritis transitoria Rhod. (Diptera,	409
of Czechoslovakia.	Tephritidae), a fly that forms galls on tassel	THORAX
3743	flowers in the Maritime Territory.	An electron microscope study of thoraci
Phoma exigua Desm. and its varieties.	3833	mitochondriac membranes in developing adult
3945	Mexican fruit containment.	of the blowfly Lucilia cuprina.
The role of systematics in biology.	3879	388
4344	TERPENOIDS	THREONINE The threonine requirement of the pullet an
TEGULA	Juvenile hormone: Activity of aromatic terpe-	adult hen. (Abstract).
Three species of Mexican Krombeinia having an	noid ethers.	419
elongated tegula with an extended apical angle	TESTING	THYROID GLAND
(Hymenoptera: Tiphiidae).	Index tests of certified and uncertified nursery	The influence of feed and water restriction an
TEMPERATURE	fruit trees in Washington in 1968.	pitressin administration upon thyroxine secretio
Temperature and circadian control of cuticle	3961	in domestic fowl.
growth on the bug, Oncopeltus fasciatus.	Buquinolate-A review.	THYROXINE
3814	4218	The influence of feed and water restriction and
Changes in gonads and primary sexual characters	TETRACHLOROISOPHTHALONITRILE	pitressin administration upon thyroxine secretio
in triploid intersexes of Drosophila melanogaster	A flower blight of chrysanthemum in South	in domestic fowl.
(Diptera) exposed to the effect of different tem-	Florida.	410
peratures.	3955	TILLAGE
3842	TETRAMISOLE	Breeding and propagation of virus-free grapes in hydroponic cultures.
The influence of photoperiod and temperature	Further studies on the anthelmintic activity of 1- tetramisole against gastro-intestinal helminths in	hydroponic cultures.
on the induction of diapause in mulberry pyralid, Glyphodes pyloalis Walker.	sheep.	Weeds mean waste Know your weeds and how to
3858	4279	control them.
Studies on sex pheromones of pyralididae. II.	TETRANYCHIDAE	406
Mass rearing of virgin females of the almond	What the practitioner should know about	Autumn weed control for continuous cerea
moth, Cadra cautella Walker (Phycitinae).	arthropods.	growers.
3880	3740	400

Perennial bindweeds.

TINEIDAE

TINGIDAE

Avoid yellow dwarf virus by late sowing.

Aphids and virus in north Canterbury wheat, 1965-66 season.

Herbicides in the perspectives of 20 months and

Taxonomy and distribution of the palearctic Nemapogon species (Lepidoptera, Tineidae). 3761

Food additives permitted in feed and drinking water of animals or for the treatment of food producing animals. Food additives permitted in food for human consumption. Buquinolate.

Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving anibiotic feed supplements.

Vitamin A deficiency: Effect on retinal structure

Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infec-

of the moth, Manduca sexta.

4074

3981

4040

TOBACCO

Development of a new variety of tomato named

Miguel pereira, with resistance to both Fusarium and Verticillium wilts.

The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture.

4014

Possibilities for Botrytis cinerea control, espe-

The effectiveness of the newer herbicides for the control of weeds in cultivated plants with special

attention to weeds which are difficult to control.

In: Collection of reports given at the Interna-

tional Herbicide Conference, Prague, June 21-

cially in tomatoes.

24, 1966.

Acalypta pulchra sp. n A new species of I in-	3944	TOVACCADIC I DOMINIA
gidae from Bulgaria. (Heteroptera, Tingidae).	The occurrence of the downy mildew disease of	TOXASCARIS LEONINA
3776	tobacco.	An attempt to eliminate the principal parasitic
TIPHIIDAE	3984	nematodes of dogs by using a new phosphoric
Three species of Mexican Krombeinia having an	Multiplication of tobacco mosaic virus in suspen-	ester.
elongated tegula with an extended apical angle	sion culture of tobacco cells.	4277
(Hymenoptera: Tiphiidae).	3987	TOXICOLOGY
3793		Insect metabolism of photoaldrin and photodiel-
	Effects of tobacco mosaic virus on the	drin.
TIPULIDAE	phosphorus metabolism of Nicotiana xanthi n. c.	3837
A description of the developmental stages of	4000	
Ctenophora guttata Wied. and a review of the	The tobacco mosaic virus (TMV) in the nutritive	Comparative toxicology of organic and inorganic
Czechoslovak species of the genus Ctenophora	solution of the tomato hydroponous culture.	arsenicals in swine.
(Dipt., Tipulidae).	4014	4306
3847	Wild species as a source of resistance to diseases.	British poisonous plants.
ISSUE CULTURE	4016	4308
Isolation and characterization of ribonucleic acid		Proceedings of the American College of Veteri-
from Musca domestica (L.).	Controlling weeds in tobacco with benefin.	nary Toxicologists, 1967.
3798	4065	4309
Multiplication of tobacco mosaic virus in suspen-	Control of Orobanche under natural and artifi-	
sion culture of tobacco cells.	cally infested conditions.	Effects of heptachlor and nicotine on the barbels
3987	4068	of a catfish (Heteropneustes fossilis).
	Plant injury by air pollutants: Influence of hu-	4310
The in vitro establishment of pith calluses and	midity on stomatal apertures and plant response	Contribution to the study of hydrogen sulfide
nodal tumors of Brassica oleracea.	to ozone.	poisoning of domestic animals.
4004	4326	4311
Comparative interactions of Erwinia carotovora	TOLERANCES	
and Erwinia amylovora with pear and potato tis-		Some recent aspects of veterinary toxicology:
sues.	Experiences with residue research in lettuce.	Attempted comparison with human toxiocology.
4008	4291	4316
Intestinal histology of vitamin A deficient chicks.	Some remarks on plant protection preparation-	TOXINS
(Abstract).	tolerances.	The toxic action of a mixture of gamma-BHC
(Abstract).	4292	and EDB to Cryphalus fulvus Niijima. Studies on
	Notice of filing of petition regarding pesticide	the control of forest pests. V.
Newcastle disease virus. Characteristics of a	chemicals.	3857
strain (2425) isolated in Cordoba, Argentina in	4293	TOXOCARA
1961. II. Comparative study of immunologic	O-isopropoxyphenol methylcarbamate. Notice	Toxocariasis in man and animals.
relationships and cellular affinities.	of establishment of temporary tolerance for	
4116	pesticide chemical.	4282
Virulence, adsorbability, and antigenicity of	pesticide chemical.	TOXOCARA CANIS
foot-and-mouth disease virus selected by adsorp-		Notice of filing of petition for food additive
tion with homogenized mouse kidney.	Tolerances and exemptions from tolerances for	nitrodan.
4124	pesticide chemicals in or on raw agricultural	4144
Progress of the Soviet virology in foot-and-	commodities. Dicamba.	An attempt to eliminate the principal parasitic
mouth disease studies.	4295	nematodes of dogs by using a new phosphoric
4181	2,4-dichlorophenyl p-nitrophenyl ether. Notice	ester.
	of extension of temporary tolerances.	4277
Avian virus-induced tumors.	4296	
4242	Tolerances and exemptions from tolerances for	TOXOPLASMA GONDII
Studies on several strains of pseudorabies (Au-	pesticide chemicals in or on raw agricultural	Toxoplasma infection: Some factors possibly
jeszky) virus showing different virulence by	commodities. Food additives. Phosalone.	contributing to the mechanism of toxoplasmic in-
means of the immuno- and acridine orange	4298	fection.
fluorescence.	Tolerances and exemptions tolerances for pesti-	4189
4266	cide chemicals in or on raw agricultural com-	TOXOPLASMOSIS
TISSUE THERAPY	modities. Trifluralin.	Toxoplasma infection: Some factors possibly
The effect of various biogenic amines on the ac-	4299	contributing to the mechanism of toxoplasmic in-
		fection.
tivity of the foregut of the cockroach, Blaberus	The first maximum dosage regulation for plant	4189
giganteus. 3811	protection preparations in the Federal Republic	TRACTORS
	of Germany.	Brush control through shredding.
TISSUE TRANSPLANTS	4347	
Study of the morphogenesis of the maxillary	TOMATOES	4077
stylet of Rhodnius prolixus by transplantations of	How to prevent sun and heat damage to desert-	TREE DISEASES
incomplete stylogenetic organs.	grown tomatoes.	The attraction to Pissodes notatus (Col. Curcu-
3862	3909	lionidae) of the wounds formed by Matsuococ-
TISSUES	Reaction of tomato varieties against Alternaria	cus feytaudi Duc. (Hom. Coccoidea) on
Lymphoepithelial tissues of the intestine and dif-	solani and Cladosporium fulvum.	maritime pine.
ferentiation of antibody production.	3935	4034
4213	Fusarium wilt (race 2) of tomato: Calcium, pH,	TREMATODA
Investigations concerning the ultrastructure and	and micronutrient effects on disease develop-	Minimum time for development and life span of
etiology of the mast cell tumors in the dog.	ment.	metacercariae.
4259	ment. 3974	4270
7237	3214	4270

Field significance of Mycoplasma meleagridis in-

The epizootiological importance of foot-and-mouth disease carriers. II. The carrier status of

cattle exposed to foot-and-mouth disease follow-

TUBERCULIN TEST

TRIAZINE

TRIAZINE

TUBERCULIN

Towards the eradication op bovine tuberculosis.
4172

of herbicide mixtures in the treatment of corn.	of bovine tuberculosis.	rection. (Abstract).
In: Collection of reports given at the Interna-	4150	TYLOSIN TARTRATE
tional Herbicide Conference, Prague, June 21-	TUBERCULOSIS	Control of Mycoplasma meleagridis infection i
24, 1966. 4064	Tests on laboratory animals and on tubercular	turkeys. (Abstract).
Chemical control of weeds in the Hungarian	cows in order to determine the value of the mor- ruato cupric colloidal (gadusan) in the in-	417
vineyards. In: collection of reports given at the	tradermal reaction.	UDDERS
International Herbicide Conference, Prague,	4115	Spohn's udder aid. Drugs for veterinary use; dru efficacy study implementation.
June 21-24, 1966.	Serological typing of mycobacteria for tracing	417
4086	possible sources of avian mycobacterial infec-	ULMUS
TRIAZINES	tions in man.	Low temperature sprays for Dutch elm diseas
The influence of herbicides on the morphology of cereal cultures. In: Collection of reports given	4170	control.
at the International Herbicide Conference,	Towards the eradication op bovine tuberculosis. 4172	395
Prague, June 21-24, 1966.	TURF	ULMUS ALATA
4320	Perennial bindweeds.	Dutch elm disease detected in Alabama.
Process for the production of substituted	4074	394
triazines. Patent 3,428,636.	TURKEY EGGS	The identity of Phyllactinia on winged elm i Georgia.
	Experimental control Mycoplasma meleagridis	396
TRICHINELLA SPIRALIS	in turkeys by the temperature differential	ULTRASTRUCTURE
Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin.	dipping of eggs in tylosin and spiramycin. (Ab-	Physiological and ultrastructural study of th
4227	stract).	corpora allata of Locusta migratoria L. (Orthor
Trichinella spiralis infection in Rattus norvegicus	The use of serologic methods for the control of	tera) in the gregarious phase.
from the municipal abattoir of Santiago, Chile.	Mycoplasma meleagridis in turkeys. (Abstract).	383
4228	4198	Purification, ultrastructure, and composition of axial filaments from Leptospira.
TRICHINOSIS	TURKEYS	418
Epizootics of trichinosis in pigs and its relation	The effects of reserpine on the reproductive per-	On the structure of horse influenza virus. A cor
with anti-rat procedures using warfarin.	formance of breeder turkeys receiving artificial insemination.	tribution to the ultrastructure of influenz
	4106	viruses.
Trichinella spiralis infection in Rattus norvegicus from the municipal abattoir of Santiago, Chile.	Emtryl and antibiotics for turkey breeders. (Ab-	423
4228	stract).	UREA
TRICHOCLADIUS	4112	Experimental studies on the ammonia poisonin
Occurrence of the species Trichocladius trifascia	Comparison of attenuated live Pasteurella mul-	of the goat. I. On the capacity to detoxicate am monia entering through the portal blood.
Edwards (Chironomidae, Diptera) in the	tocida given in drinking water to an oil-base bac-	430
Danube. 3816	terin administered to turkeys. (Abstract).	UREA COMPOUNDS
		New herbicides for controlling weeds in uplan
TRICHOPTERA Use of freshwater sponge in case construction of	Experimental control Mycoplasma meleagridis in turkeys by the temperature differential	rice.
Limnephilus species (Trichoptera: Limne-	dipping of eggs in tylosin and spiramycin. (Ab-	407
philidae).	stract).	UREMIA
3810	4118	A case of bilateral polycystic kidneys in a cat. 413
Studies of neotropical caddis flies. VIII: The im-	Epizootiology of influenza in turkeys. (Ab-	Chronic follicular hypertrophic-hyperplastic gas
mature stages of Barypenthus claudens	stract).	tritis in a dog.
(Trichoptera: Odontoceridae).		413
New data on the biology of caddisflies (Trichop-	Relationship of biotin to leg weakness in turkeys. (Abstract).	USTILAGO NUDA
tera, Limnephilidae, Apataniinae) of Lake Bai-	4161	Virulence of various groups of loose smut of bar
cal. I. Life span and mass flight of adults.	Control of Mycoplasma meleagridis infection in	ley, (Ustilago nuda (Jens.) Rostr.) physiologica
3851	turkeys. (Abstract).	races in the light of anatomical investigations of spring barley varieties different with regard to re
The behavior of adults of abundant species of	4171	sistance. I. Spreading of pathogene in host plan
caddisflies (Trichoptera) in the tributaries of	The use of serologic methods for the control of	tissue.
Lake Sevan. 3852	Mycoplasma meleagridis in turkeys. (Abstract). 4198	3978
TRICHURIS VULPIS		USTILAGO STRIIFORMIS
An attempt to eliminate the principal parasitic	Amino acids and isonitrogenous turkey starter diets. (Abstract).	Chemical control of stripe smut in Merion Ken
nematodes of dogs by using a new phosphoric	4207	tucky bluegrass.
ester.	Therapeutic efficacy of ronidazole in water	Additional varieties of Agrostis palustris infecte
4277	against histomoniasis and effect of continuous	by Ustilago striiformis var. agrostidis.
TRIFLURALIN Telegrapes and exemptions telegrapes for posti	feed levels on growth in turkeys. (Abstract).	396
Tolerances and exemptions tolerances for pesti- cide chemicals in or on raw agricultural com-	4245	USTILAGO TRITICI
modities. Trifluralin.	Persistance of Mycoplasma meleagridis in the genitalia of experimentally infected turkeys.	A race of Ustilago tritici virulent on Thatche
4299	(Abstract).	wheat and its derivatives.
TRYPANOSOMA EVANSI	4263	UTERUS
The natural occurrence of surra in the African	Effect of spectinomycin on experimentally in-	Estrogenic activity of o,p'-DDT in the mam
longhaired fox.	duced Arizona group infection in turkeys. (Ab-	malian uterus and avian oviduct.
TRYPANOSOMIASIS	stract). 4265	409:
Comparative studies of American and African	TYLENCHULUS SEMIPENETRANS	VACCINES
Trypanosomiasis.	Control of the citrus nematode, Tylenchulus	Duck virus enteritis (duck plague). Interstate
3908	semipenetrans, with 1,2-dibromo-3-	movement.
The natural occurrence of surra in the African	chloropropane in Taiwan.	
longhaired fox.	4057	Comparison of attenuated live Pasteurella mul tocida given in drinking water to an oil-base bac
TRYPTOPHAN	TYLOSIN Evansimental control Mucaniscema maleagridis	terin administered to turkeys. (Abstract).
Effect of Sclerospora graminicola infection on	Experimental control Mycoplasma meleagridis in turkeys by the temperature differential	411'
total nitrogen content and free amino acid com-	dipping of eggs in tylosin and spiramycin. (Ab-	Progress of the Soviet virology in foot-and
position of Bajra plants.	stract).	mouth disease studies.

The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract). 4198

3954

Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield.

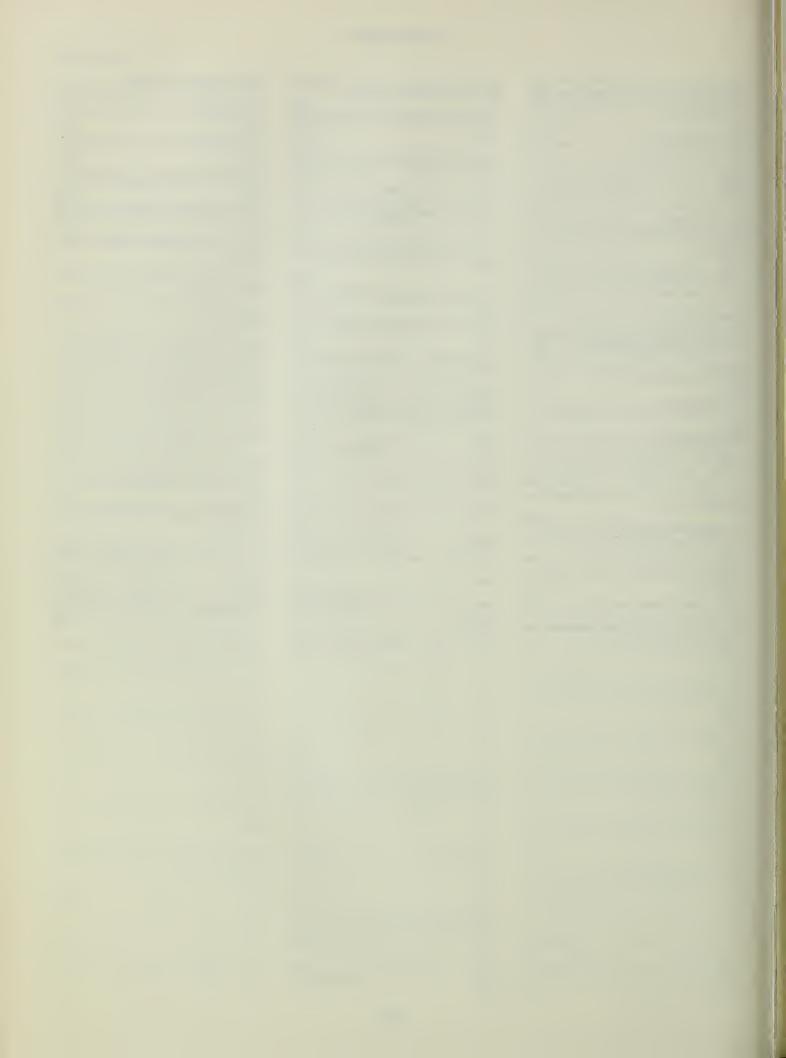
ing vaccination with an oil adjuvant inactivated virus vaccine.	Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation.	Newcastle disease virus in the avian respiratory tract. (Abstract).
4191	4180	4134
Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and bru-	Proceedings of the American College of Veterinary Toxicologists, 1967.	Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate.
cellosis.		
4260	Some recent aspects of veterinary toxicology:	Proteins before and after inoculation with RSV.
VEGETABLES	Attempted comparison with human toxiocology. 4316	(Abstract).
Insect control for garden vegetables.		4153
3916	VIROLOGY	Epizootiology of influenza in turkeys. (Ab-
The causes of disease in plant pathology.	Notes on the International Meeting on Virus and	stract).
3939	Virus Diseases of Grapes, held at Bernkastel	4157
	(West Germany) in September 1967.	C -type viral particles in plasma of cats with
Plant virus diseases in Turkey which are trans-		feline leukemia.
mitted by insect vectors.	Investigations on hydrangea ring spot virus and	4164
	proof of its presence in Italy. 3942	Polyvalent parainfluenza CF antigen for
Overwintering of Meloidogyne incognita in		serodiagnosis.
southwestern Ontario.	Freezing and thawing of purified suspensions of	4166
	the tobacco mosaic virus and its effect on infec-	Isolation of the tick-borne encephalitis virus
Weed control in vegetables.	tivity.	from the squirrel Sciurus vulgaris.
		4168
Distribution, importance and problems of herbi-	The present state of grape culture virus research.	Progress of the Soviet virology in foot-and-
cide use in Yugoslavia. In: Collection of reports	3948	mouth disease studies.
given at the International Herbicide Conference, Prague, June 21-24, 1966.	Some observations on the shape and localization	4181
4083	of different viruses in experimentally infected	The epizootiological importance of foot-and-
	plants, and on the fine structure of the host cells.	mouth disease carriers. II. The carrier status of
Chemical weed control problems in outdoor	IV:ABABIS mosaic virus in Petunia hybrida	cattle exposed to foot-and-mouth disease follow-
vegetable growing.	Hort. 3959	ing vaccination with an oil adjuvant inactivated
		virus vaccine.
Tolerances and exemptions tolerances for pesti-	Broad-bean stain and true broad-bean mosaic	4191
cide chemicals in or on raw agricultural com- modities. Trifluralin.	virus. 3960	Pathogenesis of and recovery from respiratory
4299		syncytial and influenza infections in ferrets.
VEGETATION	Multiplication of tobacco mosaic virus in suspen-	4215
Fauna of the Heteroptera on town waste	sion culture of tobacco cells.	The animal adenoviruses.
neopedon of the Prague periphery.	3987	4217
3767	Newcastle disease virus. Characteristics of a	
VENTILATION	strain (2425) isolated in Cordoba, Argentina in	Egg transmission studies of Type II leukosis in-
Contribution to the study of hydrogen sulfide	1961. II. Comparative study of immunologic	fection (Marek's disease).
poisoning of domestic animals.	relationships and cellular affinities.	4230
4311	4116	The levels of Type II infection (Marek's disease)
VENTURIA PIRINA	Virulence, adsorbability, and antigenicity of	in 8-week-old chickens processed at dressing
Supplement to the Plant Protection bulletin.	foot-and-mouth disease virus selected by adsorp-	plants. (Abstract).
3923	tion with homogenized mouse kidney.	4231
VERTEBRATES		On the structure of horse influenza virus. A con-
Ticks of the National Reactor Testing Station.	C -type viral particles in plasma of cats with	tribution to the ultrastructure of influenza
4267	feline leukemia.	viruses.
VERTICILLIUM	4164	
Development of a new variety of tomato named	Progress of the Soviet virology in foot-and-	Electron microscopy as an aid to the rapid
Miguel pereira, with resistance to both Fusarium	mouth disease studies.	identification of animal viruses.
and Verticillium wilts.	4181	4239
3997	Pathogenesis of and recovery from respiratory	Avian virus-induced tumors.
VERTICILLIUM ALBO-ATRUM	syncytial and influenza infections in ferrets.	4242
Resistance of dwarf-internode castor (Ricinus	4215	VIRUS DISEASES (PLANTS)
communis) to Verticillium wilt.	The animal adenoviruses.	The training course of the European Plant Pro-
3946	4217	tection Organization in England.
VETERINARY MEDICINE	Electron microscopy as an aid to the rapid	3914
The anabolic steroids and their use in veterinary	identification of animal viruses.	The importance of applied entomology for Aus-
therapeutics.	4239	trian plant protection.
4099	Avian virus-induced tumors.	3926
Disinfection in parasitoses.	4242	Virus diseases and the selection of grapes.
4148	VIRULENCE	3937
Embryostat (oxytetracycline powder). Drugs for	Determination of the virulence of the Mycobac-	Notes on the International Meeting on Virus and
veterinary use, drug efficacy study implementa-	terium tuberculosis by the fluorescence method.	Virus Diseases of Grapes, held at Bernkastel
tion.	4248	(West Germany) in September 1967.
4173	Studies on several strains of pseudorabies (Au-	3938
Nicarbazin. Drugs for veterinary use; drug effica-	jeszky) virus showing different virulence by	Investigations on hydrangea ring spot virus and
cy study implementation.	means of the immuno- and acridine orange	proof of its presence in Italy.
4174	fluorescence. 4266	3942
Sodium propionate. Drugs for veterinary use;		Freezing and thawing of purified suspensions of
drug efficacy study implementation. 4175	VIRUS DISEASES (ANIMALS)	the tobacco mosaic virus and its effect on infec-
	Food sources of some mosquito species in the	tivity.
Spohn's udder aid. Drugs for veterinary use; drug	natural focus of Tahyna virus in southern Moravia.	3944
efficacy study implementation. 4176	3854	The present state of grape culture virus research.
		3948
Dextran 6 percent W/V in saline (plasma volume	Duck virus enteritis (duck plague). Interstate movement.	Plant pathology field day.
expander). Drugs for veterinary use; drug efficacy study implementation.	4110	3949
cy study implementation.	Investigation of some enzymatic activities (GOT,	Virus diseases survey on citrus in the Black Sea
Sulfisoxazole. Drugs for veterinary use; drug ef-	GPT, aldolase, LDH, LDP, SDH) in the liquid	region.
ficacy study implementation.	amnio-allantoids of healthy chick embryos or	3951
4178	those infected with newcastle disease virus.	Maize dwarf mosaic-Effects of virus strains A
	4122	The state of the s

The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and

Nystatin for feed formulation. Drugs for veterinary use. drug efficacy study implementation.
4179

plants, and on the fine structure of the host cells. ViraBABS mossic versus in Poulan hybrids libror. Sincabbean stain and true broad-hearn mossic virus. So mossic versus in Poulant hybrids and structure of the present of mossic virus in Warrange and uncertified nursery fusit trees in Washington in 1968. 3961 Priversitins of the present of non-persistent plant presents of obsecon consic virus in support sisce under the production of protein level of affalfa meals to their virus in which and the protection of protein level of affalfa meals to their virus in the meals of the plant of the plant Disease virus in Virginia. 3978 A tramenissible fruit-depression disease of Nelman appears virus in Virginia. 398 Effects of tobacco consic virus on the phosphorars harbobistion of Nicotata and the accordance of the phosphorars harbobistion of Nicotata and the accordance of the phosphorars harbobistion of Nicotata and the accordance of the phosphorars harbobistion of Nicotata and the accordance of the plant Disease station of Geneva March. 4010 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4021 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4032 Plant sprotection. Bulletin of the Plant Disease Station of Geneva. March. 4044 Wild species as a source of resistance to observative of General Carlot of Station of Geneva. March. 4052 Plant sprotection. Bulletin of the Plant Disease Station of Geneva. March. 4063 Applids and virus in north Canterbury wheat. 4064 Virus diseases in Turkey which are transmitted by intered vectors. 4065 Applids and virus in another carlot of the plant Disease Station of Geneva. April. 407 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 408 Applids and virus in suturns. 409 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 409 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 401 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 402 P			
Jiv. Abd. All Silks mostic virus in Petunia hybrids and true throad-beam stain and true true throad-beam stain and true true true true true true true true	of different viruses in experimentally infected	Milk fever in the dog.	Hemagglutination inhibiting antibodies to a
Fired bean stain and true broad-bean mosaic virus. The control feat sets of certified and uncertified nursery fruit trees in Washington in 1983. 3963 Avoid yellow dwarf virus by late sowing. 3963 Avoid yellow dwarf virus by late sowing. 3975 A transmissible fruit-depression disease of Methas apples. 3987 A transmissible fruit-depression disease of Methas apples. 3998 Bifficht of tobacco mosaic virus on the hosponsons natabolism of historiax and historia procedures using warfarin. 3998 Bifficht of tobacco mosaic virus on the hosponsons natabolism of historiax and historia procedures using warfarin. 3998 Bifficht of tobacco mosaic virus on the hosponsons natabolism of historiax and historia procedures using warfarin. 3998 Bifficht of tobacco mosaic virus on the hosponsons natabolism of historiax and historia of the plant Disease station of Geneva March. 4001 A new virus disease of Carica papaya in India, desired miscale, you strain a load of the plant Disease Station of Geneva. March. 4010 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4014 Wild species as a source of resistance to disease. 4015 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4016 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4016 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4017 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4018 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4019 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4014 Wild species as a source of resistance to disease. 4015 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4016 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4018 Plant trius. Gen	IV:ABABIS mosaic virus in Petunia hybrida	Zinc toxicity and vitamin D for chicks. (Ab-	
Fleet of section of the spread of non-persistent plant trines by yoll apraying. 398 Prevention of the spread of non-persistent plant trines by yoll apraying. 398 Multiplication of tobacco ecilis. 398 Multiplication of tobacco mosaic virus on apples. 399 Effect of active of tobacco mosaic virus on apples. 399 Effect of active of tobacco mosaic virus on apples. 399 Effect of active of tobacco mosaic virus on apples. 399 Effects of active of tobacco mosaic virus on apples. 399 Effects of active of tobacco mosaic virus on apples. 399 Effects of active of tobacco mosaic virus on the bloophorus metabolism of Nicotians and thought of the plant Disease virus in Virginia. 4010 A new virus disease of Carlea papaya in India. 4010 A new virus disease of Carlea papaya in India. 4010 A new virus disease of Carlea papaya in India. 4010 A new virus disease of Carlea papaya in India. 4010 A plant protection. Bulletin of the Plant Disease Station of Geneva, March. 4010 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4013 The tobacco mosaic virus (IMV) in the nutritive solution of the tonato bydropnous culture. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrit. 4013 The tobacco monaic virus (IMV) in the nutritive solution of the tonato bydropnous culture. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrit. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrit. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrit. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrit. 4013 The tobacco monaic virus (IMV) in the			
the tests of certified and uncertified nursery fruit trees in Washington in 1908. Prevention of the spread of an operastent plant trues by ollypropsing. 3963 Avoid yellow dwarf virus by late sowing. 3974 A transmissible fruit-depression disease of Mothoda pales. 3981 Distribution and bost range of maize dwarf mosale virus in suppersives virus in Virgina. 3981 Distribution and bost range of maize dwarf mosale virus in Virgina. 3992 Distribution and bost range of maize dwarf mosale virus in Virgina. 3993 Effects of others of tobacco mosale virus on the phosphorus metabolism of Nicotiana annibin content of the Plant Disease Station of Geneva March. Anew virus disease of Carica papays in India. Plant protection. Bulletin of the Plant Disease Station of Geneva June. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva June. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva June. 4014 Wild species as a source of resistance to diseaset. 4015 Transmission of Geneva April. 4018 WAXES Distribution virus of the virus component of the raging lifetime corrections) disease-complex in Mysoria. 4018 Transmission of the virus component of the raginated by insect vectors. 4018 Transmission of Geneva April. 4019 Wild species as a source of resistance to diseaset. 4020 Plant virus diseases of Carica papays in India. 4021 Waxes Transmission of Geneva April. 4022 WAXES Distribution of Geneva April. 4033 Transmission of Geneva April. 4044 Wild species as a source of resistance to diseaset. 4045 Transmission of Geneva April. 4046 Wild species as a source of resistance to diseaset. 4050 Plant virus diseases in Turkey which are transmitted by insect vectors. 4046 Weeds mean watte Know your weeds and how to control them. 4047 Transmission of Geneva April. 4048 Breeding and propagation of virus-free grapes in hydropenic cultures. 4049 Plant virus diseases in Turkey which are transmited by insect vectors. 4040 Transmission of the virus in north Canterbury wheat, and the p	Broad-bean stain and true broad-bean mosaic		
index tests of certified and uncertified nursery fruit trees in Washington in 1963 and such as the provision of the spread of non-persistent plant viruses by oil spraying. 361 Prevention of the spread of non-persistent plant viruses by oil spraying. 362 Avoid yellow deart virus by late sowing. 363 Multiplication of tobacco mosaic virus in suspension culture of tobacco exclus. 366 A transmissible fruit-depression disease of McIntoda pples. 367 Dittribution and host range of maize dwarf mosaic virus in suspension culture of tobacco mosaic virus on the hophoptons metabolism of Nicotiums and host range of maize dwarf mosaic virus in Wirginia. 368 Effects of tobacco mosaic virus on the phophoptons metabolism of Nicotiums and host range of maize dwarf mosaic virus in wire stand and all on shelled grain yields of susceptible and resistant maze sequence of the wires stand and B on shelled grain yields of susceptible and resistant maze station of Geneva. March. 400 A new virus disease of Carlica papaya in India. 401 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 401 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 402 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 403 WAXES 404 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 405 406 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 407 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 408 409 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 401 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 402 403 404 405 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 404 405 406 407 Plant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 408 409 Flant protection. Bulletin of the Plant Disease Station of Geneva. Agrah. 409 400 401 Plant protection. Bulletin of the Plant Disease Station of G			395
Fruit trees in Washington in 1968. Prevention of the spread of non-persistant plant charactery of plantysing. Avoid yellow dwarf virus by fale sowing. Multiplication of tobacco mosaic virus in superbodies and plants of tobacco cells. 3987 A transmissible fruit-depression disease of Markon apples. 3988 Effects of color of tobacco mosaic virus on the phosphorus metabolism of Nicotiane santh n. c. Effects of early and late incoulation of mained dwarf mosaic virus with yellow and late incoulation of mained dwarf mosaic virus strain A and B on shelled grain yields of susceptible and resistant maze aggregate of a three-way hybrid. Anew virus disease of Carlica papaya in India. Anew virus disease of Carlica papaya in India. Anew virus disease of Carlica papaya in India. Plant protection. Bulletin of the Plant Disease Station of Geneva. Jonic. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. Jonic. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. Jonic. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. Jonic. 4013 The tobacco mosaic virus (TMN) is the nutritive solution of the tomostic virus (TMN) is the nutritive solution of the tomost hydroponous culture. 4014 Wild species as a source of resistance to diseases. 4015 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4016 Wild species as a source of resistance to diseases. 4017 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4018 Weeds mean water know your weeds and how to toutto libra. 4029 Plant virus diseases in Turkey which are transmided by inacci vecture. 4036 Aphitis and virus in autumn sown wheat. 4041 Broeding and propagation of virus-free grapes in hydropoin cultures. 4042 Plant yrice diseases in Turkey which are transmided by fine coverages. 4043 Plant virus diseases complex in Mysec. 4044 Broeding and propagation of virus-free grapes in hydropoin cultures. 4045 Aphitis and virus in autumn sown wheat		egg quality. (Abstract).	Studies of Leptosphaeria avenaria f. sp. tritice
The relation of protein level of affalfa meals to their virsion is Activity. (Abstract.) 3961 Matisplication of tobacco mosaic virsu in suspension culture of tobacco collis. 3974 Matisplication of tobacco mosaic virsu in suspension culture of tobacco collis. 3981 Matisplication of tobacco mosaic virsu in suspension culture of tobacco mosaic virsu in suspension culture of tobacco mosaic virsu on the hoposphorus netholosis and Nicolation of Marchael and Salt and water transport by the in vitro cocknown hinglant. 3982 Effects of tobacco mosaic virsu on the phosphorus netholosis and Nicolation of maize determination of maize determination of maize determination of the virsu on the phosphorus netholosis on Nicolation of maize determination of the virsu of the			on wheat in North Dakota.
Aroid yellow dwarf virus by late sowing. Aroid yellow dwarf virus by late sowing. Aroid yellow dwarf virus by late sowing. Age of the present of the spread of non-persatent plant virus by late sowing. Age of the present of the	3961		
Avoid yellow dwarf virus by late sowing. Multiplication of tobacco mossic virus in suspension culture of tobacco mossic virus in suspension culture of tobacco mossic virus and supples. Multiplication of tobacco mossic virus on the host naples. Most problem of the procedures using warfarin. 4227 Mark A transmissible furti-depression disease of Multiplication of the procedures using warfarin. 4227 Mark A transmissible furti-depression disease of Multiplication of the procedures using warfarin. 4228 Mark A transmissible furti-depression disease of Multiplication of consist virus on the phosphorus reacheolism of Nicotation and host range of maize dwarf mossic virus on the phosphorus reacheolism of Nicotation and host range of maize dwarf mossic virus with a dwarf mossic virus on the phosphorus reacheolism of Nicotation and host range of maize dwarf mossic virus with a dwarf with a dwa			
Avoid yellow dwarf virus by late sowing. 3981 Multiplication of tobacco mosaic virus in suspension culture of bobacco comesaic virus in suspension culture of bobacco comesaic virus in suspension culture of bobacco comesaic virus on the phosphorus metabolism of Nicotiana xanthin n. c. 4001 Distribution and host range of maize dwarf mosaic virus in Virginia. 3978 Effects of cobacco mosaic virus on the phosphorus metabolism of Nicotiana xanthin n. c. 4000 Effects of early and late inoculation of maize dwarf mosaic virus in virus discussed of Activation of Some fault of the phosphorus metabolism of Nicotiana xanthin n. c. 4001 Effects of early and late inoculation of maize dwarf mosaic virus strain A and B on abelled segregates of a three-way hybrid. 4001 A new virus discusse of Carica papaya in India. 4002 Plant protection. Bulletin of the Plant Discusse Station of Geneva. June. 4011 Plant protection. Bulletin of the Plant Discusse Station of Geneva. June. 4012 Plant protection. Bulletin of the Plant Discusse Station of Geneva. June. 4013 Plant protection. Bulletin of the Plant Discusse Station of Geneva. June. 4014 Wild species as a source of resistance to diseases. 4016 Thansmission of the virus component of the rargical fellowing conceasing diseases complex (in Mysore, Ideal.) 4028 Plant protection. Bulletin of the Plant Discusse Station of Geneva. June. 4014 Wild species as a source of resistance to diseases. 4016 Thansmission of the virus component of the rargical plant per stand virus in autumnsown wheat. 4028 Plant protection ground the protection of the virus component of the rargical properties of intensity, form. and wheat of the protection of the virus component of the rargical properties of intensity, form. and plant pests and diseases and, through this, to the importance of the protection in the heart of Europe. Autrib. Physical protection of virus free grapes in hydroponic cultures. 4025 VIXANIN A defficiency: Effect on retinal structure of the length of the protecti	viruses by oil spraying.		397
Multiplication of tobacco mosaic virus in suspension culture of tobacco cells. 3870 A transmissible fruit-depression disease of Michotal apples. 3871 Distribution and host range of maize dwarf mosaic virus in Virginia. 3878 Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotians santh-4000 Effects of early and fate inoculation of maize dwarf mosaic virus virus virus and the phosphorus metabolism of Nicotians santh-4000 Effects of early and fate inoculation of maize dwarf mosaic virus virus atrain A and B on shelied grain yields of susceptible and resistant maize segregate of a three-way hybrid. 4001 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4013 The tobacco mosaic virus (TMV) in the autritive solution of the tomato hydroponous culture. 4014 Wild species as a source of resistance to diseases. 4014 Wild species as a source of resistance to diseases. 4015 Plant virus diseases in Turkey which are transport by increased by inacet vectors. 4029 Plant virus diseases in Turkey which are transport by the disease and motion proteption in the virus component of the region of virus free graps in hydroponic cultures. 4020 Plant virus diseases in Turkey which are transport by increase and propagation			A race of Ustilago tritici virulent on Thatche
Multiplication of tobacco comosaic virus is usupension culture of bobacco comosaic virus in suspension culture of bobacco comosaic virus of the phosphorus metabolism of Nicotama analysis of the Ni			wheat and its derivatives.
A transmissible fruit-depression disease of McIntosh apples. 3971 Distribution and host range of maize dwarf mosate virus in Virginia. 3982 Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotiana vanth in c. 4000 Effects of early and late inoculation of maize dwarf mosale virus in virginia. 3986 Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotiana vanth in c. 4000 Effects of early and late inoculation of maize dwarf mosale virus strain A and B on shelled grain yields of susceptible and restant maize sagregate of a three-way hybrid. 4001 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010 Plant protection. Bulletin of the Plant Disease Station of Geneva. Descension of the Plant Disease Statio	Multiplication of tobacco mosaic virus in suspen-		
A transmissible fruit-depression disease of McIntoba apples. 3991 Distribution and host range of maize dwarf mosa-is virus in Virginia. 3998 Effects of cobacco mosaic virus on the phosphorus metabolism of Nicotiana xanhin n. e. doctoral properties of interession of the phosphorus metabolism of Nicotiana xanhin n. e. doctoral properties of interession of Section of Geneval virus strain A and B on shelled grain yields. of susceptible and resistant maize segregate of a three-wely hybrid. Anew virus disease of Carica papaya in India. Anew virus disease of Carica papaya in India. Anew virus disease of Carica papaya in India. Plant protection. Bulletin of the Plant Disease Station of Geneval. March. 4011 Plant protection. Bulletin of the Plant Diseases Station of Geneval. April. 4012 Plant protection. Bulletin of the Plant Diseases Station of Geneval. April. 4013 The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014 Wild species as a source of resistance to diseases. 4015 Transmission of the virus component of the ragical Eleusine corracana) disease-complex in Mysore, India. 4018 Plant protection. Bulletin of the Plant Disease Station of Geneval. April. 4019 WEED CONTROL WEED CONTROL		WATER	399
Downstansistic unique pression insease of within the phosphorus metabolism of Nicotiana xanthin near the phosphorus metabo			Field evaluation of some fungicides for control of
Distribution and host range of maize dwarf mosaic ivitus in Virginia. 3998 Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotiana santh induced grain yields of succeptible and resistant maize segregates of after-eway hybrid. 4001 A new virus disease of Carica papaya in India. 4005 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4014 Wild species as a source of resistance to diseases. 4016 Transmission of the virus component of the ragic Eleusine coracana) disease-complex in Mysorc, India. 4028 Plant virus diseases in Turkey which are transmitted by insect vectors. 4030 Aphids and virus in north Canterbury wheat, 1965-66 season. 4040 Insecticide granules and virus in autumn-sown wheat. 4041 Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4016 Transmission of the virus component of the ragic Eleusine coracana) disease-complex in Mysorc, India. 4028 Plant virus diseases in Turkey which are transmitted by insect vectors. 4030 Aphids and virus in north Canterbury wheat, 1965-66 season. 4030 Aphids and virus in north Canterbury wheat, 1965-66 season. 4030 Insecticide granules and virus in autumn-sown wheat. 4041 Insecticide granules of temporary to pesticide chemical. 4045 Insecticide granules of temporary to pesticide chemical. 405 Insecticide granules of urus in autumn-sown wheat. 4065 Insecticide granules of urus in autumn-sown wheat. 407 Insecticide granules and virus in autumn-sown wheat. 408 Insecticide granules and virus in autumn-sown wheat. 409 Insecticide granules and virus in autumn-sown wheat. 4041 Insecticide granules and			
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Effects of tobacco mosaic virus on the phosphorus metabolism of Nicotiana xanith in .c. 4000 Effects of carly and late inoculation of maize dwarf mosaic virus strain A and B on shelled grain yields of susceptible and resistant maize segregates of a three-way hybrid. 4010 A new virus disease of Carica papaya in India. 4005 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4011 Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4012 Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013 The tobacco mosaic virus (TMV) in the nutritive solution of the organization of Geneva. April. 4014 Wild species as a source of resistance to diseases. 4016 Transmission of the virus component of the raji Gleusine coracana) disease-complex in Mysore, India. 4028 Plant virus diseases in Turkey which are transmitted by insect vectors. 4014 Mild species are an orth Canterbury wheat, 1965-66 season. 4040 Insecticide granules and virus in autumn-sown wheat. 4041 Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freeding and propagation of virus-free grapes in hydroponic cultures. 4045 VISION Freedin			
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motion perception in the visual nervous systems of Calliphora, phaenicia and Musca domestica. 3849 VITAMIN A Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta. Intestinal histology of vitamin A deficient chicks. (Abstract). 4113 The efficacy of trans and cis vitamin A. (Abstract). Control them. 4066 Domestic quarantine notices. Witchweed. Regulated areas. 4067 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4113 Chemical weed control problems in outdoor vegetable growing. Chemical weed control problems in outdoor vegetable growing. VEASTS The effect of different fungicides on flora during the treatment of grape vine vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086 Chemical weed control problems in outdoor vegetable growing.			378.
VITAMIN A Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta. Intestinal histology of vitamin A deficient chicks. (Abstract). Augusta 13849 Domestic quarantine notices. Witchweed. Regulated areas. 4067 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. The efficacy of trans and cis vitamin A. (Abstract). Chemical weed control problems in outdoor vegetable growing. Chemical weed control problems in outdoor vegetable growing. Insecticide granules and virus in autowheat.	motion perception in the visual nervous systems	control them.	
VITAMIN A Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta. 3807 Intestinal histology of vitamin A deficient chicks. (Abstract). 4113 The efficacy of trans and cis vitamin A. (Abstract). 4113 Diagram Histology of within honces. Withweel. Regulated areas. 4067 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086 Chemical weed control problems in outdoor vegetable growing. VELLOW DWARF Avoid yellow dwarf virus by late sowing Aphids and virus in north Canterbu 1965-66 season. Insecticide granules and virus in autowheat.	of Calliphora, phaenicia and Musca domestica.		
Vitamin A deficiency: Effect on retinal structure of the moth, Manduca sexta. 3807 Intestinal histology of vitamin A deficient chicks. (Abstract). 4113 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4113 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086 Chemical weed control problems in outdoor vegetable growing. Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. Insecticide granules and virus in autoweat.			432
of the moth, Manduca sexta. 3807 Intestinal histology of vitamin A deficient chicks. (Abstract). 4113 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4113 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086 Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086 The efficacy of trans and cis vitamin A. (Abstract). Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. Aphids and virus in north Canterbu 1965-66 season. Insecticide granules and virus in auture viewed in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. Insecticide granules and virus in auture viewed in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. Aphids and virus in north Canterbu 1965-66 season.			
Intestinal histology of vitamin A deficient chicks. (Abstract). International Herbicide Conference, Prague, June 21-24, 1966. 4113 The efficacy of trans and cis vitamin A. (Abstract). Chemical weed control problems in outdoor vegetable growing. Chemical weed control problems in outdoor wegetable growing. Aphids and virus in north Canterbu 1965-66 season. Insecticide granules and virus in autowell.	of the moth, Manduca sexta.		Avoid yellow dwarf virus by late sowing. 398
(Abstract). June 21-24, 1966. 4113 The efficacy of trans and cis vitamin A. (Abstract). Chemical weed control problems in outdoor stract). June 21-24, 1966. Chemical weed control problems in outdoor vegetable growing. Insecticide granules and virus in autoweat.			
The efficacy of trans and cis vitamin A. (Ab- stract). 4113 Chemical weed control problems in outdoor vegetable growing. Insecticide granules and virus in autovegetable growing. Wheat.		June 21-24, 1966.	1965-66 season.
stract). vegetable growing. wheat.	4113	4086	4040
			Insecticide granules and virus in autumn-sown
4150	4158	vegetable growing.	404

YOLK SAC Pinocytosis during vitellogenesis in the meal-	Geographic distribution of the ant genus Formica (Hymenoptera: Formicidae).	Todd (Cepidoptera: Noctuidae). 3781
worm, Tenebrio molitor L. (Coleoptera, Tenebrionidae).	A new click beetle of the genus Agriotes Esch.	Sphecoidea from the Ryukyus and Formosa (Hymenoptera).
3789	(Coleoptera, Elateridae) from Soviet central	(Hymenoptera). 3783
ZETHES PEPLARIA Conodontis peplaria Geyer, a noctuid, not a	Asia. 3751	Materials to the knowledge of the scale insects
geometrid (Lepidoptera).	On the Orthopterous fauna in the south of the	fauna of Yugoslavia (Homoptera, Coccoidea). 3786
3762	Krasnoyarsk Territory.	New species of Hypera (Coleoptera, Curcu-
ZINC Zinc toxicity and vitamin D for chicks. (Ab-	3754 Notes on the Chrysomelidae from Taiwan I.	lionidae) from the Crimean Mountains.
stract).	3755	On the occurrence and seasonal dynamic of Dip-
ZINC ISOTOPES	Papilionoidea and Hesperioidea (Lepidoptera)	tera, Tachinidae in the reservation area of Jasov.
Influence of various chelating agents on absorp-	of the virgin forest of Bialowieski.	3808 Occurrence of the species Trichocladius trifascia
tion of 60Co, 59Fe, 54Mn, and 65Zn by chickens.	On the status of Cresson's Stenophasmus species	Edwards (Chironomidae, Diptera) in the
4105	from Cuba (Hymenoptera: Braconidae: Doryctinae).	Danube. 3816
Effect of prolonged infection by intestinal coc-	3759	European species of the genus Myospila Rond.
cidia upon zinc-65 and oleic acid absorption in broilers. (Abstract).	The palearctic species of Megatoma Herbst	(Dipt., Muscidae).
4250	(Coleoptera, Dermestidae). 3760	3823 Remarks on fluctuations in density of Carabidae
ZINC SULFATE Changes in insecticide sensitivity in the bean	Taxonomy and distribution of the palearctic	populations.
weevil Acanthoscelides obtectus Say, brought	Nemapogon species (Lepidoptera, Tineidae). 3761	3824
about by induced pigment formation. 3867	The colonization of Lake Constance with	Faunal and ecological study on the families Nycteribiidae and Streblidae (Dipt., Pupipara) of the
ZINEB	Chironomidae.	Nangahar Province (Eastern Afghanistan).
Diseases and parasites of the rose. 3956	Ecological and systematic investigations of the	Review of the parasitic Diptera of the genus
ZOO ANIMALS	Chironomidae (Diptera) of Lake Constance. A	Eriothrix meigen (Diptera, Tachinidae) in the
Investigations on Coccidia in zoo ruminants.	contribution to the lake chironomide fauna of the northern foothills of the Alps.	USSR. 3838
ZOOGEOGRAPHY 4195	3766	The insect fauna in the burrows of the long-
Studies on the Crambinae (Lepidoptera). Part	Fauna of the Heteroptera on town waste neopedon of the Prague periphery.	clawed mole-vole, a Caucasian endemic species.
44. New Neotropical genera and species. Preliminary check-list of Neotropical Cram-	3767	3845 New data on the biology of caddisflies (Trichop-
binae.	A contribution to the genus Mantis Linne and	tera, Limnephilidae, Apataniinae) of Lake Bai-
3741 Contributions to the knowledge of Analgesoidea	Paramantis, nov. (Mantidae).	cal. I. Life span and mass flight of adults.
of Czechoslovakia.	Fauna and ecology of mosquitoes in the southern	The behavior of adults of abundant species of
3743	part of the Moscow district.	caddisflies (Trichoptera) in the tributaries of
Contribution to the fauna of the Congo (Brazzaville). Mission of A. Villiers and A. Descarpen-	Supplementary communication concerning the	Lake Sevan. 3852
tries. XLV. Coleoptera Ochodaeidae.	occurrence of Caradrina kadenii Frr.	A contribution to the bionomy of Culex
Climate and the phylogeny and distribution of	(Lep.Noct.) in Switzerland.	modestus Fic. (Diptera, Culicidae) in southern Moravia.
Tabanidae.	Collembola fauna of Malta.	3855
3746	These new energies of Enjophyid mites	Distribution of seed beetles (Coleoptera,
Catalog of the Coleoptera of Angola. 3747	Three new species of Eriophyid mites (Acariformes: Eriophyidae, Rhyncaphytoptidae)	Bruchidae) in the forest-steppe zone of the East- ern Ukraine.
Three new records of the genus Phanaeus from	from Poland.	3869
Georgia (Coleoptera: Scarabaeidae).	New distribution records for Meropleon titan	Golden nematode found in Delaware. 4056
3740	Their distribution records for interopteon than	4050



BIOGRAPHICAL INDEX

Adiyodi, K G Kerala Univ., Trivandrum, India; Dept. of Zoology 3788	Baldacci, E Osservatorio per le Malattie delle Piante, Milan, Italy	Bodnaryk, R P National Inst. of Health, Bethesda, Md.; Lab. of Physical Biology
Adler, H E California Univ., Davis; Dept. of Epidemiology and Preventive Medicine 4108	Baldacci, E Milan Univ., Italy; Istituto di Patologia Vegetale 4060	Boerema, G H Plantenziektenkundige Dienst, Wageningen, Netherlands
Aggarwal, S K Michigan State Univ., East Lansing; Dept. of Zoology 3789	Ballantyne, B Department of Agriculture, Rydalmere, Australia; Biology Branch 3941	Bohm, H Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4033
Aidley, D J Oxford Univ., England; Dept. of Zoology 3791	Balloun, S L lowa State Univ. of Science and Technology, Ames; Dept. of Poultry Science	Bohm, K H Tierarztliche Hochscule, Hanover, West Germany; Institut fur Mikrobiologie und Tierseuchen
Allan, W C Guelph University; Ontario Agricultural College; Dept. of Zoology	Bavenboer, L Research Station for Fruit and Vegetable Growing under; Glass, Naaldwijk, Netherlands	Borgo, G D Washington State Univ., Pullman; Dept. of Animal Sciences
Allen, H W Academy of Natural Sciences, Philadelphia, Pa.; Dept. of Entomology 3793	Bayer, R C Vermont Univ., Burlington; Dept. of Poultry Science	Bots, G T A M Central Inst. for Nutrition and Food Research TNO, Zeist,; Netherlands
Alloway, T M Northwestern Univ., Evanston, Ill.; Dept. of Psychology 3794	Beament, J W L Cambridge Univ., England; Dept. of Zoology 3800	Bowers, W S Agricultural Research Service, Beltsville, Md.; Insect Physiology Lab.
Allred, D M Brigham Young Univ., Provo, Utah 4267	Beer, J Humboldt Univ., Berlin, East Germany; Institut fur Mikrobiologie und Tierseuchenlehre	Boyes, J W McGill Univ., Montreal, Quebec; Dept. of Genetics
Ambo, K Tohoku Univ., Sendai, Japan; Dept. of Animal Husbandry	Belli, G Centro Nazionale SUI Virus dei Vegetali del	Brigham, R D Texas A. and M. Univ., Lubbock
Anderson, J L Utah State Univ., Logan	C.N.R.,; Italy 3942 Benes, K Charles Univ., Prague, Czechoslovakia; Chair for	Brown, H D Forest Service, Pineville, La.; Div. of Forest Pest Control
Anderson, R J Department of Agriculture, Washington, D. C.; Agricultural Research Service	Systematic Zoology Benitez, J A	Brown, S W California Univ., Berkeley; Dept. of Genetics 3894
Anderson, R J Department of Agriculture, Washington, D. C.; Agricultural Research Service	Nacional Univ. del Nordeste, Corrientes, Argentina; Facultad de Agronomia y Veterinaria 4115 Bennett, F D	Bruckbauer, H Landes-Lehr und Forschungsanstalt für Wein-und Gartenbau,; Neustadt/Weinstrasse, West Germany 3948
Andrianova, N S Moscow State Univ., USSR; Dept. of Entomology	Commonwealth Institute of Biological Control, Bermuda 3802 Beran, F	Buck, W B lowa State Univ., Ames; Veterinary Diagnostic Lab.
Anthon, E W Washington State Univ., Pullman; Tree Fruit Experiment Station	Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3803 Beran, F Bundesanstalt fur Pflanzenschutz, Vienna, Austria	Bukovac, M J Michigan State Univ., East Lansing; Dept. of Horticulture
Arthur, J A Hy-Line Poultry Farms, Johnston, Iowa; Research Dept.	Bergman, B H H Laboratory for Flowerbulb Research, Lisse, Netherlands	Bukovac, M J Michigan State Univ., East Lansing 4318
Askew, R R Manchester Univ., England; Dept. of Zoology	Betto, E Milan Univ., Italy; Istituto di Patologia Vegetale	Burcham, L T 4701 Crestwood Way, Sacramento, Calif. 95822 Burks, B D
Aulakh, K S Punjab Agricultural Univ., Ludhiana, India; Dept. of Plant Breeding	Bierer, B W Clemson Univ., S. C.; Dept. of Poultry Science	Agricultural Research Service, U. S. National Museum,; Washington, D. C.; Systematic Entomology Lab.
Avens, J S Colorado State Univ., Fort Collins; Dept. of Poultry Science	Bigland, C H Saskatchewan Univ., Saskatoon; Dept. of Veterinary Microbiology	Butterworth, F M Oakland Univ., Rochester, Mich.; Dept. of Biology 3895
Awoderu, V A Federal Dept. of Agricultural Research, Ibadan,	Bill, S M State Rivers and Water Supply Commission, Victoria,; Australia	Byford, W J Broom's Barn Experimental Station, Higham, Bury St. Edmonds,; England 3949
Nigeria; Plant Pathology Div. 3936 Balazs, I Chile Univ. School of Medicine, Santiago; Chair of	Bird, G W Canada Dept. of Agriculture, Harrow, Ontario; Research Station	Cals, P Paris Univ., France; Laboratoire de Zoologie Calston, A W
Chemistry 3798 Balazy, S Katadas Ochrony Legy WSP, Bozner, Beland	Bird, G W Canada Dept. of Agriculture, Harrow, Ontario;	Yale Univ., New Haven, Conn.; Dept. of Biology 4319 Calvert, C C
Katedra Ochrony Lasu WSR, Poznan, Poland 3799 Baldacci, E Milan Univ., Italy; Istituto di Patologia Vegetale	Research Station 4047 Bitman, J Department of Agriculture, Beltsville, Md.; Animal	Agricultural Research Center, Beltsville, Md.; Poultry Research Branch Camenzind, R 4123
Baldacci, E Milan Univ., Italy; Istituto di Patologia Vegetale	Husbandry Research Div. 4095 Bleszynski, S	Zoologisches Inst. der E. T. H. zurich, Switzerland 3896 Campbell, C H
Baldacci, E Milan Univ., Italy; Istituto di Patologia Vegetale 3939	Polish Academy of Sciences, Krakow; Inst. of Systematic Zoology 3741	Agricultural Research Service, Greenport, Long Island, N. Y.; Plum Island Animal Disease Lab. 4124
Baldacci, E Osservatorio per le malattie delle Piante, Milan, Italy; Sezione Patologia Vegetale	Bockmann, H Biologische Bundesanstalt, Kiel-Kitzeberg, West Germany; Institut fur Getreide-, Olfrucht-und; Fut- terpflanzenkrankheiten	Carle, P Institut national de la Recherche agronomique, Avignon,; France; Station de Recherches forestieres
3940	3912	4034

BIOGRAPHICAL INDEX

Carlson, S D

Carlson, S D Virginia Polytechnic Inst., Blacksburg; Dept. of En tomology	3812	Enigk, K Tierarztliche Hochscule, Hanover, West German, Institut fur Parasitologie
Carter, J C Illinois Natural History Survey, Urbana	1404 Shirley Court, Lake Worth, Fla.	Epps, J M Agricultural Research Service, Jackson, Tenn
Casinovi, C G Istituto Superiore di Sanita, Rome, Italy; Lab. d Chimica Biologica	Bialystok Medical Academy, Poland; Dept. of	Crops Research Div. 404 Epps, J M
Cedro, V C F Instituto Nacional de Tecnologia Agropecuaria	Dahlgren, R R Ralston Purina Co., St. Louis, Mo.; Veterinary	Agricultural Research Service, Jackson, Tenn Crops Research Div. 405 Epstein, A H
Buenos; Aires, Argentina; Instituto de Zoonosis Cedro, V C F	4136 Damiano, S Naples Univ., Italy; Istituto di Patologia Generale e	Iowa State Univ., Ames; Dept. of Botany and Plar Pathology 395
Instituto Nacional de Tecnologia Agropecuaria Buenos; Aires, Argentina; Instituto de Zoonosis 412	Anatomia Patologica 4137 Damiano, S	Ertlova, E Slowakischen Akademie der Wissenschafter Bratislavia; Hydrobiologische Abteilung
Cengiz, A Zirai Mucadele Enstitusu, Adana, Turkey; Viroloj Lab.	4138	Fairchild, G B Gorgas Memorial Lab., Panama
Cepelak, J Vysokej skoly polndhospodarskej, Nitra Czechoslovakio: Katadra Zoologia	Naples Univ., Italy; Istituto di Patologia Generale e	Farley, R D California Univ., Riverside; Dept. of Life Sciences
Czechoslovakia; Katedra Zoologie 3808 Cerny, V Czech Academie of Sciences, Prague; Dept. o	Damron, B L Florida Agricultural Experiment Station,	Fenwick, D W Trinidad and Tobago Coconut Research Ltd.
Parasitology Cerny, V 374:	4139	Ferreira, M C Instituto de Investigacao Cientifica, Lourenc
Czechoslovak Academy of Sciences, Prague; Inst of Parasitologi 4268	ry; Science, Ulan Bator, Mongolia 3744	Marques,; Mozambique 374 Fincher, G T
Challey, J R Richardson-Merrell Inc., Ashland, Ohio; Section o Parasitology	4140	Department of Agriculture, Tifton, Ga.; Anima Disease and Parasite Research Lab.
Chaloupka, G W Delaware Univ., Georgetown; Substation	Research Inst. for Corn Culture, Trnava, Czechoslovakia	Fisher, H Rutgers-State Univ., New Brunswick, N. J.; Dep of Nutrition
Charles, O W Georgia Univ., Athens; Dept. of Poultry Science 4130	Decelle, J Musee royal de l'Afrique centrale, Tervuren, Belgi-	Fleischmann, G Canada Dept. of Agriculture, Winnipeg, Manitoba Research Station
Cherednikov, A V Leningrad State Univ., USSR; Dept. of Entomology 380	Dingle, H	Flint, O S Smithsonian Inst., Washington, D. C.; Dept. of Er
Chew, C F Agricultural Research Service, Las Cruces, N Mex.; Crops Research Div.	Domanska, H Agricultural Academy, Warsaw, Poland; Faculty of	tomology Forsberg, J L
Chiapparini, L Osservatorio per le Malattie delle Piante, Milan	Donges, J	Illinois Natural History Survey, Urbana Forsyth, A A 432
Italy; Sezione Patologia Vegetale 4063 Cho, Y Auburn Univ., Ala.; Agricultural Experiment Sta	4270	Glasgow Veterinary Coll., Scotland Gagne, R J
tion 4131	Woodstock Agricultural Research Centre, Sitting-	Agricultural Research Service, U. S. Nationa Museum,; Washington, D. C.; Systematic Er tomology Lab.
Michigan Dept. of Natural Resources, Ann Arbor Inst. for Fisheries Research	Doyle, A D Department of Agriculture, Tamworth, Australia	Galati, P Naples Univ., Italy; Istituto di Patologia Generale Anatomia Patologica
Close, R C Department of Scientific and Industrial Research, New Zealand	zerland	Gaprindashvili, N K Ministry of Agriculture of the Georgian SSSR
Cole, H Pennsylvania State Univ., University Park; Dept. of	Dykova, I Czechoslovak Academy of Sciences, Prague; Inst.	Tbilisi; Plant Protection Inst. 3819 Gardiner, E E
Plant Pathology 3954 Compagnucci, M Naples Univ., Italy; Istituto di Malattie Infettive	Edgar, S A	Canada Dept. of Agriculture, Lethbridge, Alberta Research Station 415
Profilassi e Polizia; Veterinaria 4132 Compagnucci, M	tion	Gerola, F M Milan Univ., Italy; Laboratorio di Botanica II 395
Naples Univ., Italy, Istituto di Malattie Infettive Profilassi e Polizia; Veterinaria 4133	tion 4272	Getsova, A B USSR Academy of Sciences, Leningrad; Zoologica Inst. 382
Cook, B J Agricultural Research Service, Fargo, N. Dak. Metabolism and Radiation Research Lab.	tion	Gibbs, A J Australian National Univ., Canberra; John Curtin School of Medical Research
Corstvet, R E Oklahoma State Univ., Stillwater; Dept. of Parasitology and Public Health	Eggenhofer, R J	Glaeser, G Bundesanstalt fur Pflanzenschutz, Vienna, Austria
Cottier, G J Auburn Univ., Ala.; Agricultural Experiment Sta-	Eidson, C S Georgia Univ., Athens; Poultry Disease Research	Glotoff, N W Academy of Medical Sciences, Obnisk, USSR; Inst
tion	Center	of Medical Radiology

Goble, H W Guelph University; Ontario Agricultural College; Dept. of Zoology	Henry, J E Agricultural Research Service, Bozeman, Montana; Entomology Research Div.	Joly, L Faculte de Sciences, Strasbourg, France; Lab. de Biologie generale
Goldberg, E Northwestern Univ., Evanston, Ill.; Dept. of Biological Sciences	Hiepe, T Humboldt Univ., Berlin, East Germany; Institut fur Parasitologie und Veterinaermedizinische:	Joly, R Faculte des Sciences, Lille, France; Lab. de Zoologie
Gomec, B Turkish Ministry of Agriculture, Izmir; Crop	Zoologie Hocking, D 4273	Jones, E L Research Station, Yanco, Australia
Research and Introduction Center 3961 Gothe, R Justus Liebig-Univ., Giessen, West Germany; Inst.	Calgary, 132 Ninth Avenue S. W., Alberta 3967 Hodges, C F Iowa Agriculture and Home Economics Experi-	Jones, J P Gulf Coast Experiment Station, Bradenton, Fla. 3974
fur Parasitologie und Parasitare Krankheiten der; Tiere 3822 Grant, C A	ment Station,; Ames; Dept. of Horticulture and Agronomy 3968	Kahlert, K Bayerische Landesanstalt für Bodenkultur, Pflanzenbau und; Pflanzenschutz, Munich, West Ger-
Karolinska Sjukhuset, Stockholm, Sweden; Dept. of Pathology 4152	Homme, P J Wisconsin Univ., Madison; Dept. of Veterinary Science 4157	many; Amtliche Pflanzenbeschau (Einfuhr) 3918 Kandybina, M N USSR Academy of Sciences, Leningrad; Zoological
Green, G J Canada Dept. of Agriculture, Winnipeg, Manitoba; Research Station 3962	Hooper, F G Texas A. and M. Univ., College Station; Dept. of Poultry Science	Inst. 3833 Katayama, E
Gregg, R E Colorado Univ., Boulder; Dept. of Biology 3750	Horn, A von Pflanzenschutzamt Hannorer, Braunschweig, West Germany; Bezirksstelle	1780-32, Shimoishigami, Otawara City, Tochigi, Japan 3834 Kawakawi, T G
Gregor, F Czech Academy of Sciences, Prague; Inst. of Parasitology 3823	Hosford, R M North Dakota State Univ., Fargo; Dept. of Plant	California Univ., Davis; Dept. of Clinical Sciences 4164 Kawano, T
Griffin, G D Agricultural Research Service, Logan, Utah; Crops Research Div.	Pathology 3970 Howland, R M Bureau of Sport Fisheries and Wildlife, La Crosse,	Nagoya Univ., Japan; Lab. of Applied Entomology and Nematology Keeley , L L
Grum, L Polish Academy of Sciences, Warsaw; Inst. of	Wis.; Fish Control Lab. 4097 Hunter, J E	Texas A and M Univ., College Station; Dept. of Entomology 3836
Gur'yeva, Y L USSR Academy of Sciences, Leningrad; Inst. of	Hawaii Univ., Honolulu; Dept. of Plant Pathology 3971 Hunziker, P Burenweg 38, Birsfelden, Switzerland	Kerr, K M Texas A. and M. Univ., College Station; Dept. of Veterinary Pathology 4165
Zoology 3751 Gusic, V I Bucharest Univ., Rumania; Faculte de Biologie	Hurka, K Charles Univ., Prague, Czechoslovakia; Chair for	Khan, M A Q Rutgers Univ., New Brunswick, N. J.; Dept. of Entomology and Economic Zoology
Gyles, N R Arkansas Univ., Fayetteville; Dept. of Animal	Systematic Zoology Hurka, K 3753	Kimoto, S Kyushu Univ., Hikosan, Japan; Hikosan Biological Lab.
Sciences 4153 Habu, A	Charles Univ., Prague, Czechoslovakia; Chair of Systematic Zoology Ichinose, T 3829	Kingsolver, J M Agricultural Research Service, U. S. National
National Inst. of Agricultural Sciences, Tokyo, Japan 3825 Hague, P H	Tokyo Univ. of Agriculture and Technology, Japan; Lab. of Entomology 3898	Museum,; Washington, D. C. 3756 Klos, E J Michigan State Univ., East Lansing; Dept. of
Huntingdon Research Centre, England; Dept. of Pathology 4154	Ikeno, N Kyoto Univ., Japan; Entomological Lab. Iren, S 3830	Botany and Plant Pathology Kocurik, S Version Polynomia Falusta VCP Keeping
Hajj, R N North Dakota State Univ., Fargo; Dept. of Animal Science	Ankara Univ., Turkey; Ziraat Fakultesi Bitki Koruma 4036	Veterinarskej Fakulty VSP, Kosice, Czechoslovakia; Katedra Rastlinnej Vyroby Kohli, S P
Hakkaart, F A Research Station for Floriculture, Aalsmeer, Netherlands; Inst. for Phytopathological Research	Ivanova, I V Abakan Pedagogical Inst., USSR Jeddicke. K 3754	Indian Agricultural Research Inst., New Delhi; Div. of Genetics 3977 Kok-Doorschodt, H J van K
Halisky, P M Rutgers Univ., New Brunswick, N. J.; Coll. of Agriculture and Environmental Science	Tierarztliches Institut, Gottingen, West Germany; Klinik 4160	National Inst. of Public Health, Utrecht, Netherlands 4166
Haney, J G International Harvester Co., Grand Fork, N. D.; Demonstration Farms	Jensen, L S Washington State Univ., Pullman; Dept. of Animal Sciences 4161	Koller, M Public Health Station, Debrecen, Hungary; Virus Lab. 4167
Hanlin, R T Georgia Univ., Athens; Dept. of Plant Pathology	Joffe,a Z Hebrew Univ., Jerusalem, Israel; Dept. of Botany 3973	Kolman, J M Czechoslovak Academy of Sciences, Prague; Inst. of Parasitology
and Plant Genetics 3965 Harms, R H Florida Agricultural Experiment Station,	Johnson, C A Richardson-Merrell Inc., Ashland, Ohio; Section of Parasitology 4162	Kolomiyets, N G Siberian Div. of the USSR Academy of Sciences,; Novosibirsk; Inst. of Biology
Gainesville; Dept. of Poultry Science 4156 Hayashi, A	Johnson, C A Richardson-Merrell Inc., Ashland, Ohio; Section of Parasitology	3838 Konar, S K Bihar Univ., Muzaffarpur, India; Dept. of Zoology
Nagoya Univ., Japan; Faculty of Agriculture 3826 Henner, J Bundesanstalt fur Pflanzenschutz, Vienna, Austria	Johnston, F A Agricultural Research Service, Washington, D. C.; Plant Quarantine Div.	Kondra, P A Manitoba Univ., Winnipeg; Dept. of Animal Science
3966	4067	4169

Kosaka, K

Kosaka, K Japan Meat Processors Assoc., Shibuya-ku, Tokyo 4285	Lohr, K F Veterinary Research Lab., Kabete, Kenya	Metlitsky, L V USSR Academy of Sciences; Bach Inst. of Biochemistry
Kosztarab, M Virginia Polytechnic Inst., Blacksburg; Dept. of Entomology	Lori, R D National University M. E., Argentina; Facultad de Agronomia y Veterinaria	3985 Meyer, G B Wisconsin Univ., Madison; Dept. of Poultry
Kozera, W	4184 Lowe, A D	Science 4193
Katedra Hodowli Roslin i Nasiennictwa Wyzszej Szkoly; Rolniczej, Cracow, Poland	Department of Scientific and Industrial Research,; New Zealand 3981	Michel, J F Central Veterinary Lab., Weybridge, England 4276
Kralovic, J Slovak Academie of Sciences, Ivanke pri Dunaji;	Lyayster, Y A Leningrad Agricultural Inst., Pushkin, Leningrad	Miczulski, B Katedra Ochrony Roslin WSR, Lublin, Poland
Ustav experimentalnej fytopatologie a entomologie 3839	Province,; USSR 3845	3853 Miller, D D Nebraska Univ., Lincoln; Dept. of Zoology
Krasienikov, N A Moskovskii Gosudarstvennyi Universitet im. M. V.; Lomonosova, USSR	Lyon, R J Los Angeles City Coll., Calif.; Dept. of Life Sciences	Miller, D R
Krishnamoorthi, T	MacKenzie, G H	Department of Agriculture, San Francisco, Calif.; Forest Service
Tobacco Research Station, Vedasandur, Madras State, India	West of Scotland Agricultural Coll. 4069	Miller, J F
Krzywicki, M	Mainland, C M Rutgers-The State Univ., New Brunswick, N. J.	Georgia Univ., Athens; Cooperative Extension Service 4070
Polska Akademia Nauk, Warsaw, Poland; Instytut Zoologiczny	Mal'chenkova, N I	Miller, J F Georgia Univ., Athens; Cooperative Extension Ser-
Kubin, M	Moldavian Academy of Sciences, Kishinev, USSR; Inst. of Zoology	vice 4071
Tuberculosis Research Inst., Prague, Czechoslovakia; Tuberculosis Diagnostic Reference Lab.	Martinovsky, J	Minar, J Czechoslovak Academy of Sciences, Prague; Inst.
Kumar, M C	Czechoslovak Entomological Society, Prague	of Parasitology 3854
Minnesota Univ., St. Paul; Dept. of Veterinary Microbiology and Public Health	Marusich, W L Hoffman-La Roche Inc., Nutley, N. J.; Chemical	Minar, J Czechoslovak Academy of Sciences, Prague; Inst.
Kurcheva, G F	Research Div.	of Parasitology 3855
USSR Academy of Sciences, Moscow; Severtsov Inst. of Animal Morphology	Mathieu, D Illinois Univ., Urbana; Dept. of Animal Science 4187	Minck, K Munich Univ., West Germany; Zoologisch- Parasitologisches Institut
Kuwahara, Y	Matthews, R W Georgia Univ., Athens; Dept. of Entomology	Mitrovic, M
Kyoto Univ., Japan; Coll. of Agriculture	Mauman, R K	Hoffman-La Roche Inc., Nutley, N. J.; Chemical Research Div.
Lambat, A K Indian Agricultural Research Inst., New Delhi 3920	Massachusetts Univ., Amherst; Dept. of Microbiology	Mitrovic, M
Lamina, J Johann Wolfgang Goethe-Univ., Frankfurt am	Mayer, H F	Hoffman-La Roche Inc., Nutley, N. J.; Chemical Research Div.
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Lanier, L	Mayer, K Biologische Bundesanstalt fur Land-und Forst-	Center, Wooster; Dept. of Veterinary Science
Institut national de la Recherche agronomique, Nancy,; France; Laboratoire de Pathologie 3979	wirtschaft; Berlin-Dahlem west Germany; Institut fur Zoologie	Mohrig, W Ernst Moritz Arndt Univ., Greifswald, East Germany; Zoologisches Institut
Lauge, G Orsay Univ., France; Laboratoires de Zoologie et	Mayr, E	Moolani, M K
d'Entomologie 3842	Harvard Univ., Cambridge, Mass.	Punjab Aricultural Univ., Hissar, India; Dept. of Agronomy
Lea, A O Florida State Board of Health, Vero Beach; En-	McCann, G D California Inst. of Technology, Pasadena; Willis H.	Moran, E T
tomological Research Center	Booth Computing Center 3849 McFadden, L A	Guelph Univ., Ontario; Dept. of Poultry Science 4199
Ley, H L Food and Drug Administration, Washington, D. C. 4176	New Hampshire Univ., Durham; Plant Science	Motoyoshi, F Institute for Plant Virus Research, Aoba-cho,
Ley, H L Food and Drug Administration, Washington, D. C.	McGillivary, J J International Minerals and Chemical Corp.,	Chiba, Japan 3987 Moubry, R J
Likhachev, N V	Libertyville,; Ill.; Growth Sciences Center	Wisconsin Dept. of Agriculture, Madison; General Lab. Div.
Gosudarstvennyi Nauchno-Kontrol'nyi, Moscow, USSR; Institut Veterinarnykh Prenaratov	McGlohon, N E Georgia Univ., Athens; Cooperative Extension Ser-	Mroczkowski, M
Lincoln, S D	vice 3983	Instytut Zoologiczny PAN, Warsaw, Poland 3760
Washington State Univ., Pullman; Dept. of Veterinary Pathology 4182	McVicar, J W Agricultural Research Service, Greenport, N. Y.; Plum Island Animal Disease Lab.	Mukhopadhyay, S K Kalyani Univ., West Bengal, India; Coll. of Agricul-
Lipa, Y Y Plant Protection Inst., Poznan, Poland	Menge, H	ture 4076 Mulholland, R I
Locci, R	Agricultural Research Service, Beltsville, Md.; Poultry Research Branch	Department of Scientific and Industrial Research,; New Zealand
Milan Univ., Italy; Istituto di Patologia Vegetale 3980	Menshutkina, T V	Mulholland, R I
Locci, R Milan Univ., Italy; Istituto di Patologia Vegetale	USSR Academy of Sciences, Listvenichnoye Village, Irkutsk; Province; Limnological Inst.	Department of Scientific and Industrial Research,; New Zealand
Loftfield, R B	Meshkova, A M	Murphy, C D Taye A and M Univ. College Station: Dept. of
New Mexico Univ. School of Medicine, Albuquerque 4339	Armenian Academy of Sciences, Sevan, USSR; Sevan Hydrobiological Station 3852	Texas A. and M. Univ., College Station; Dept. of Veterinary Microbiology 4201
4339	3832	4201

Manhattan Coll., Bronx, N. Y.; Lab. of Plant Morphogenesis	Oklahoma State Univ., Stillwater; Coll. of Veterinary Medicine	Muslim Univ., Aligarh, India; Dept. of Zoology 3866
Nagasawa, S	Pantyukhov, G A	Rahim, A
Ihara Agricultural Chemicals Inst., Shimizu, Japan 3857	USSR Academy of Sciences, Leningrad; Zoological Inst.	Pakistan Inst. of Cotton Research and Technology, Karachi 4283
Nagy, L K Glasgow Univ. Veterinary Hospital, Bearsden, Scotland 4202	Parkhurst, R T Department of Agriculture, State College, Miss.; South Central Poultry Research Lab.	Rai, J N Lucknow Univ., India; Microbiology Lab.
Nakamura, S Sericultural Experiment Station, Suginami-ku, Tokyo, Japan	Peacher, P H Forest Service, Pineville, La.; Div. of Forest Pest	Raines, T V Norwich Pharmacal Co., N. Y.; Div. of Veterinary Research 4218
3858 Netke, S P	Control 3992	Rattink, H
Illinois Univ., Urbana; Dept. of Animal Science 4203 Neururer, H	Pendergrass, A Cornell Univ., Ithaca, N. Y.; Dept. of Vegetable	Research Station for Arboriculture, Boskoop, Netherlands; Inst. for Phytopathological Research 3925
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4078	Crops Penn, R P	Razowski, J Polish Academy of Sciences, Krakow; Inst. of Systematic Zoology
Neururer, H Bundesanstalt fur Pflanzenschutz, Vienna, Austria	Georgia Univ., Athens; Dept. of Poultry Science 4100	Reichmuth, W
Neururer, H Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4343	Pensack, J M American Cyanamid Co., Princeton, N. J.; Agricul- tural Div.	Biologische Bundesanstalt fur Land-und Forst- wirtschaft.; Berlin-Dahlem, West Germany; Institut Fur Zoologie
Newton, M	Perey, D Y E	3867
Oregon State Univ., Corvallis; Forest Research Lab.	Minnesota Univ., Minn.; Dept. of Pediatrics and Surgery 4213	Reiss, F Max Planck Institut fur Limnologie, Plon, West Germany; Abteilung Tropenokologie
Nielsen, J Canada Dept. of Agriculture, Winnipeg, Manitoba;	Petermann, U B Eidgenossische Technische Hochschule, Zurich,	Reyes, A A
Research Station 3989 Ninan, T	Switzerland; Zoologisches Institut 3902	Canada Dept. of Agriculture, Vineland Station, Ontario
Michigan State Univ., East Lansing; Dept. of Crop Science	Petersen, G Werlseestrasse 5, Berlin-Friederichshagen, East	Ribeiro, R L D
3900	Germany 3761	Universidade Federal Rural, Rio de Janeiro, Brazil; Departamento de Biologia Vegetal
Nishizawa, R Osaka Ikuno High School, Ikuno-ku, Japan 3990	Peterson, I L Kimber Farms Inc., Fremont, Calif. 4214	Rizki, T M Michigan Univ., Ann Arbor; Dept. of Zoology
Nockels, C F Colorado State Univ., Fort Collins; Dept. of	Pierson, C F	Roane, C W
Poultry Science 4204	· Agricultural Research Service, Wenatchee, Wash.; Market Quality Research Div.	Virginia Polytechnic Inst., Blacksburg; Dept. of Plant Pathology and Physiology
Nott, H Maryland Univ., College Park; Dept. of Poultry	Pilet, C	3998
Science 4205	Ecole Nationale Veterinaire d'Alfort, France; Chair de Microbiologie 4301	Roberson, R H New Mexico Agricultural Experiment Station, Las Cruces; Dept. of Poultry Science
Novacek, E J South Dakota State Univ., Brookings; Dept. of Sta-	Pinet, J M Institut National Agronomique, Paris, France; Lab.	Roberts, T
tion Biochemistry 4206	de Zoology 3862	Food and Drug Administration, Washington, D. C.; Div. of Nutrition
Novacek, E J South Dakota State Univ., Brooking; Dept. of Sta-	Pinto, C A Smith Kline and French Lab., Philadelphia, Pa.	4220
tion Biochemistry 4207	4215	Roberts, T Food and Drug Administration, Washington, D. C.;
Nur, U Rochester Univ., N. Y.; Dept. of Biology	Pitman, G B Boyce Thompson Inst. for Plant Research, Inc.,	Div. of Nutrition 4221
3901 Obel, A L	Yonkers,; N. Y. 3863	Rola, J Institut for Agriculture, Fertilizers and Soil
National Veterinary Inst., Stockholm, Sweden; Dept. of Pathology	Plotnikova, S I USSR Academy of Sciences, Leningrad; Sechenov	Science,; Wroclaw, Poland 4081
Oehme, F W	Inst. of Evolutionary Physiology and Biochemistry 3864	Ross, E Hawaii Univ., Honolulu; Dept. of Animal Sciences
Missouri Univ., Columbia; Dept. of Veterinary Physiology and Pharmacology	Poole, R W Cornell Univ., Ithaca, N. Y.; Dept. of Entomology 3762	Roubal, J
Ohkawa, H	Powers, H R Forest Service, Athens, Ga.; Southeastern Forest	U 2. baterie 6, Prague 6, Czechoslovakia
Kyushu Univ., Kukuoka, Japan; Dept. of Agricultural Chemistry	Experiment Station 3993	Rowland, L O Florida Agricultural Experiment Station,
Ohnesorge, B	Prasad, V	Gainesville; Dept. of Poultry Science 4103
Biologische Bundesanstalt fur Land-und Forst- wirtschaft,; Berlin-Dahlem, West Germany; Dienst-	Wayne State Univ., Detroit, Mich.; Dept. of Biology	Roy, R Institut Fondamental d'Afrique Noire, Dakar,
stelle fur Melde-und Warndienst	Pulawski, W	Senegal; Laboratoire des Invertebres terrestres 3768
Olson, J D Colorado State Univ., Fort Collins; Dept. of	Instytut Zoologiczny UWR., Wrocław, Poland 3763	Rumsey, T S Agricultural Research Service, Beltsville, Md.;
Poultry Science 4210	Putnam, A R Michigan State Univ., East Lansing; Dept. of Hor-	Animal Husbandry Research Div.
Omar, M S Bernhard-Nocht-Inst., Hamburg, West Germany 3860	ticulture 3994 Quarles, C L	Russ, K Bundesanstalt fur Pflanzenschutz, Vienna, Austria
Otto, H W Esso Research and Engineering Co., Linden, N. J.;	Pennsylvania State Univ., University Park; Dept. of Poultry Science	Russ, K
Products Research Div. 4326	Radewald, J D	Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3868
Palmiter, D H Hudson Valley Lab., Highland, N. Y.	California Univ. Agricultural Extension Service, Riverside; Dept. of Plant Pathology	Russ, K Bundesanstalt fur Pflanzenschutz, Vienna, Austria
3991	4054	3926

BIOGRAPHICAL INDEX

Rybalko, A P

Rybalko, A P Kharkov State Univ., USSR; Dept. of Entomology 3869	Schroeder, W T Cornell Univ., Geneva, N. Y.; Dept. of Plant Pathology	Sobrero, R Istituto Siervovaccinogeno, Merca, Somalia 4236
Rysavy, B Czechoslovak Academy of Sciences, Prague; Inst.	Schulten, G G M Royal Tropical Inst., Amsterdam, Holland; Dept. of	Sonda, G P Milan Univ., Italy; Facolta di Medicina Veterinaria 4237
of Parasitology 4278 Saitoh, K History Larger Part of Riology	Agricultural Research Schwarz, R 3905	Spalding, D H Agricultural Research Service, Beltsville, Md.; Market Quality Research Div.
Hirosaki Univ., Japan; Dept. of Biology	Entomological Society of Czechoslovakia, Prague 3873	Spears, J F
Saly, A Komenskeho Univ., Bratislava, Czechoslovakia; Zoologicky ustav 4055	Sevoian, M Massachusett's Univ., Amherst; Dept. of Veterinary and Animal Sciences	Agricultural Research Service, Hyattsville, Md.; Plant Pest Control Div.
Samborski, D J Canada Dept. of Agriculture, Winnipeg, Manitoba;	Sevoian, M	Spencer, J V Washington State Univ., Pullman; Dept. of Animal
Research Station 3999	Massachusetts Univ., Amherst; Dept. of Veterinary and Animal Sciences	Science 4238
Sanford, P E Kansas State Univ., Manhattan; Dept. of Dairy and Poultry Science	Shahidi, A Missouri Univ., Columbia; Dept. of Zoology	Spradbrow, P B Queensland Univ., Brisbane, Australia; Dept. of Preventive Medicine
Sasakawa, M	Shank, F R	Springensguth, W
Kyoto Prefectural Univ., Japan; Lab. of Entomology 3769	Maryland Univ., College Park; Dept. of Poultry Science	Landwirtschaftskammer Westfalen-Lippe, Munster, West; Germany; Lehr-und Versuchsan- stalt fur Bienenzucht 3929
Satour, M M California University, Davis 4330	Sharp, W R Ohio State Univ., Columbus; Faculty of Microbiology and Cell Biology	Srekajs, A Poljooskrba, Zagreb, Yugoslavia 4083
Sauer, J R Tulane Univ., New Orleans, La.; Dept. of Biology	Sherwood, D H	Stach, J Polish Academy of Sciences, Krakow; Inst. of
Sauer, N G	Cooperative Research Farm, Talmo, Ga. 4234	Systematic Zoology 3774
Colorado State Univ., Fort Collins; Dept. of Poultry Science	Shevchenko, A K Kharkov State Univ., USSR; Biological Research Inst.	Stary, P Czechoslovak Academy of Sciences, Prague; Inst. of Entomology
Sauter, E A Idaho Univ., Moscow; Dept. of Poultry Science	3874 Shigematsu, H	Starzycki, S
Sauter, E A	Sericultural Experiment Station, Suginami-ku, Tokyo, Japan	Pracownia Radiobiologii IHAR, Radzikow, Poland 4009
Idaho Univ., Moscow; Dept. of Poultry Science	Shilenko, B V	Steel, W O University Museum, Oxford, England; Hope Dept.
Savage, S I Colorado State Univ., Fort Collins; Dept. of	Academy of Sciences of the USSR, Moscow; Inst. of General Genetics	of Entomology 3775
Poultry Science 4314	Siegl, G	Steele, J E University of Western Ontario, London, Canada;
Scalla, R Institut national de la Recherche agronomique,	Bern Univ., Switzerland; Inst. fur Hygiene und Medizinische Mikrobiologie	Dept. of Zoology Stekol'nikov, A A
Dijon,; France; Station de Physiopathologie 4000	Simmonds, F J Commonwealth Inst. of Biological Control	USSR Academy of Sciences, Leningrad; Inst. of Zoology
Schaefer, C H California Univ., Fresno; Mosquito Control	Singer, R H	Stern, J R
Research Lab. 3871	Agricultural Research Service, College Station, Tex.; Southwestern Veterinary Toxicology and	Case Western Reserve Univ., Cleveland, Ohio; Dept. of Pharmacology
Schardein, J L Parke, Davis, and Co., Ann Arbor, Mich.; Dept. of	Livestock Insects; Research Lab.	Stino, K R
Experimental Therapeutics 4226	Singh, A B Abholi, Varanasi, Uttar Pradesh, India	Georgia Univ., Athens; Dept. of Poultry
Scheifele, G L Pennsylvania State Univ., University Park; Dept. of	4005 Singh, D V	Stratman, F W Wisconsin Univ., Madison; Dept. of Meat and
Plant Pathology 4001	Section of the Economic Botanist (Rabi Cereals) to; Government, Uttar Pradesh, Kanpur, India	Animal Science 4241 Stubbs, E L
Schenone, H Chile Univ., Santiago; Departamento de	Singh, G B 4006	Pennsylvania Univ., Philadelphia; School of Veterinary Medicine
Parasitologia 4227 Schenone, H	Punjab Agricultural Univ., Hissar, India; Dept. of Agronomy	Stusak, J M
Chile Univ., Santiago; Departamento de Parasitologia	Skilling, D D	Agricultural Univ., Prague, Czechoslovakia; Forest Protection and Zoology Dept.
Schmidlin, A	Forest Service, St. Paul, Minn.; North Central Forest Experiment Station 3928	Stute, W
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Schnathorst, W C California Univ., Davis; Dept. of Plant Pathology	Forest Experiment Station 4007	Sugahara, M Illinois Univ., Urbana; Dept. of Animal Science 4244
Schneiderman, H A	Skopin, N G Kazakh Research Inst. of Plant Protection, Alma-	Sugi, S 14-12, Omori-Kita IV, Tokyo, Japan
Case Western Reserve Univ. 3872	Ata, USSR 3772	Sukhov, K S
Scholtyseck, E Bonn Univ., West Germany; Zoologisches Inst. 4229	Smith, D R Agricultural Research Service, C/o U. S. National Museum,; Washington, D. C.; Systematic En-	USSR Academy of Sciences, Moscow; Inst. of General Genetics 4014
Schonbeck, H Bundesanstalt fur Pflanzenschutz, Vienna, Austria	tomology Lab. 3773	Sullivan, T W Nebraska Univ., Lincoln; Dept. of Poultry Science
Schreier, O	Smith, J P Texas A and M Univ., College Station; Dept. of	Suso, F A
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4042	Veterinary Parasitology 4279	Georgia Univ., Athens; Dept. of Poultry Science 4105

Symons, L E A Commonwealth Scientific and Industrial Research; Organization, Glebe, New South Wales, Australia;	Turk, D E Clemson Univ., S. C.; Dept. of Poultry Science 4250	Weiss, E Munich Univ., West Germany; Inst fur Tier- pathologie
Div. of Animal Health 4280	Turk, D E Clemson Univ., S. C.; Dept. of Poultry Science	Wenner, A M
Szeptycki, A Polish Academy of Sciences, Krakow; Inst. of Systematic Zoology 3778	Turkmenoglu, Z Bornova Zirai Mucadele Enstitusu, Izmir, Turkey;	California Univ., Santa Barbara; Dept. of Biological Sciences 3889
Szulc, W Lodz Univ., Poland; Dept. of Systematic Zoology 3779	Hast. Lab. 4252 Ubrizsy, G	Wensvoort, P Utrecht Univ., Netherlands; Dept. of Pathology 4107
Takahashi, F Kyoto Univ., Japan; Coll. of Agriculture	Research Inst. for Plant Protection, Budapest, Hungary 4086	Wenzl, H Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4023
3880 Takahashi, S Y Nagoya Univ., Japan; Biological Inst. 3881	Ulinich, A Institut po zernovym i tekhnicheskim Kul'turam,; Fundulya, Rumania	Wenzl, H Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4024
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Tamimie, H S	4017	3890
Galesburg State Research Hospital, Ill.; Thudichum Psychiatric Research Lab.	Vadehra, D V Cornell Univ., Ithaca, N. Y.; Dept. of Poultry Science	Westwood, M N Oregon State Univ., Corvallis; Dept. of Horticul- ture
Taylor, T H C	Valley, K	White, D S
Ministry of Overseas Development, London, England; Anti-Locust Research Centre 3883	Cornell Univ., Ithaca, N. Y.; Dept. of Entomology 3885	Department of Agriculture and Fisheries, Abbotstown,; Dublin; Veterinary Research Lab.
Telenga, N A Ukranian Research Inst. of Plant Protection, Kiev 3884	Van Kampen, K R Agricultural Research Service, Logan, Utah 4304	Wicker, E F Forest Service, Moscow, Idaho; Intermountain
Ternovskii, M F Vsesoyuznyi Institut Tabaka i Makhorki,	Van Sickle, G A Department /of Fisheries /and Forestry, Fredericton,; New Brunswick; Forest Research Lab.	Forest and Range Experiment Station 4025 Williams, D J
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Todd, E L	Viglierchio, D R	London School of Hygiene and Tropical Medicine, England 4282
Agricultural Research Service, U. S. National Museum,; Washington, D. C.; Systematic Entomoloy Lab.	California Univ., Davis; Dept. of Nematology 4058 Vindu, H C	Wittmann, W Bundesanstalt fur Pflanzenschutz, Vienna, Austria
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Agricultural Research Service, C/o U. S. National Museum,; Washington, D. C.; Systematic Enterpology Lob	Volozina, N V	Michigan State Univ., East Lansing; Agricultural Experiment Station
tomology Lab. Toeppich, S 3781	Ivanovo State Medical Inst., USSR; Dept. of General Biology 3886	Wojewodin, A W All-Union Research Inst. for Plant Protection,
Soil Conservation Service 4084	Vukovits, G Bundesanstalt fur Pflanzenschutz, Vienna, Austria	Leningrad,; USSR. 4090
Toranzos, L B Nacional Univ. del Nobdeste, Corrientes, Argentina; Facultad de Agronomia y Veterinaria	Waldroup, P W Arkansas Univ., Fayetteville; Dept. of Animal	Wood, R J Manchester Univ., England; Dept. of Zoology 3907
Toranzos, L B Nacional Univ. del Nordeste, Corrientes, Argen-	Sciences 4317	Wooley, P H Michigan State Univ., East Lansing; Dept. of En-
tina; Instituto de Biologia 4288	Walker, A C Australian National Univ., Canberra, Australian Capital; Territory, Australia; Dept. of Biochemistry	tomology Wysong, D S
Toung, M Shihlin Horticultural Experiment Station, Taipei, Taiwan,	Walker, D W	Nebraska Univ., Lincoln 4027
Townes, H	Puerto Rico Nuclear Center, Mayaguez 3888 Wallen, V R	Yamamoto, R California Univ., Davis; Dept. of Epidemiology and Preventive Medicine
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Texas A. and M. Univ., College Station; Dept. of Poultry Science	Waloff, N Imperial College, London, England; Dept. of	University of Agricultural Sciences, Hebbal, Ban- galore,; India; Div. of Plant Pathology 4028
Tsesalin, H A Vsesyuziyi Nauchno-issledovatel'skii Institut	Zoology and Applied Entomology 3784	Youngner, V B California Univ., Riverside
Udobrenii i; Agropodochvovedenya, Mosow, USSR 4085	Warnick, Re Utah State Univ., Logan; Dept. of Animal Science 4255	Yurkiewicz, W J Millersville State Coll., Pa.; Dept. of Biology
Tsitovich, I K Kuban Agricultural Inst., Moscow, USSR	Washburn, K W Georgia Univ., Athens; Dept. of Poultry Science	Zak-Ogaza, B
Tsuneki, K Fukui Univ., Japan; Biological Lab.	Washburn, K W Georgia Univ., Athens; Dept. of Poultry Science	Cracow Coll. of Agriculture, Poland; Dept. of Zoology 3786
Tunstall, J P	Weber, C W	Zaslavskiy, V A USSR Academy of Sciences, Leningrad; Inst. of
Agricultural Research Council Of Central Africa 4044	Arizona Univ., Tucson; Dept. of Poultry Science 4258	Zoology 3787

BIOGRAPHICAL INDEX

Zavala, M A

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Poultry Science

4264

Zindel, H C
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Poultry Science

4264

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4289

Zuffa, A
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4266

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4030

AUTHOR INDEX

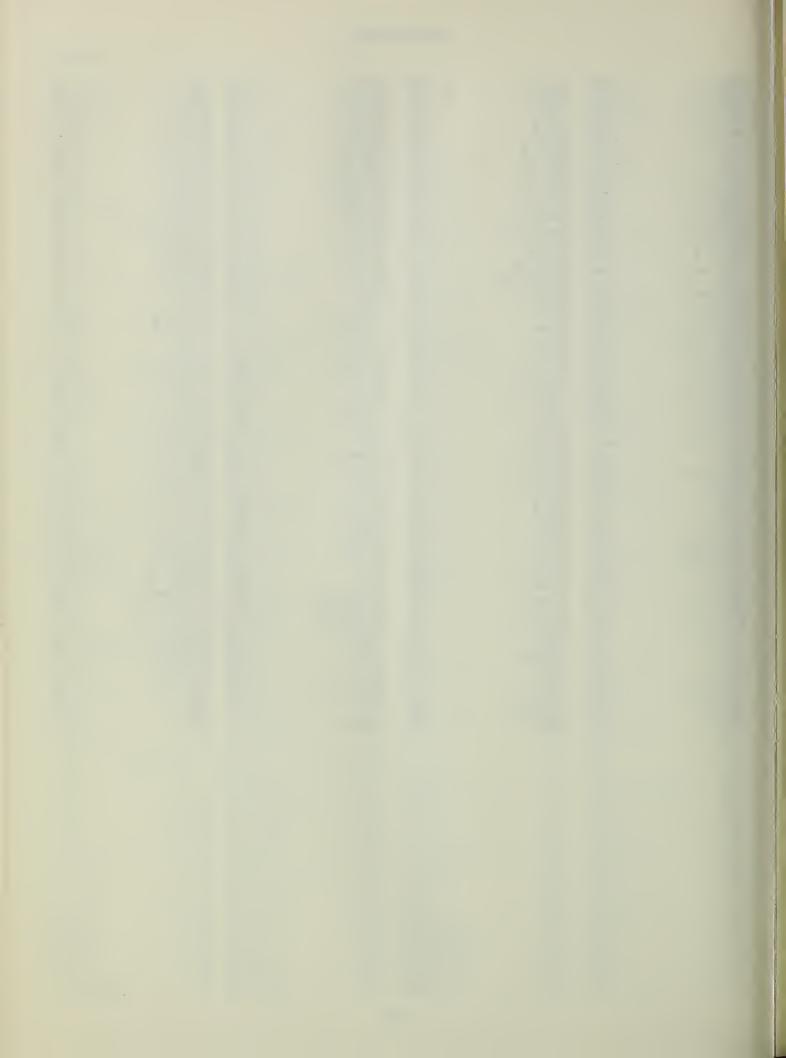
Adcock, J L 4182 Adivodi, K G 3788	Bohm, K H Bond, D	4119 4145	4249, 4264 Croll, N A	4058	4221 Fukami H	29/1
Adiyodi, K G 3788 Adler, H E 4108	Boray, J C	4280	Csongrady, F M	4086	Fukami, H 3880	3841
Agarwal, S K 4075	Borgo, G D	4120	Cummins, M	4325	Funk, C R	3964
Aggarwal, S K 3789	Bots, G T A M	4121	Cunningham, B	4260	Fushimi, S	3857
Agosin, M 3798 Agudu, E W 4151	Bottarelli, F Bovard, K P	4122 4302	Czeczuga, B Czerwinska, C	3813 3799	Fusiek, G 4197	4196
Ahmad, I 3866	Bowen, T E	4317	D'Amico, J J	4336	Gagne, R J	3749
Aichele, M D 3961	Bowers, W S	3805	Dahlgren, R R	4136	Galati, P	4150
Aidley, D J 3791 Al-Khatib, G 4114	Boyes, J W Boyle, J S	3893 3954	4211 Daines, R H	4326	Gaprindashvili, N K Garbers, D L	3819 4241
Al-Khatib, G 4114 Ali, A 4283	Brand, M	4185	Damiano, S	4137	Gardiner, E E	4151
Allan, W C 3792	Brannock, L D	4332	4138, 4150, 4269		Gateff, E	3872
Allen, H W 3793 Alloway, T M 3794	Bressler, G O Bridges, C H	4216 4165	Damron, B L 4156	4139	Gemmer, H	4275 4216
Allred, D M 4267	Brigham, R D	3946	Danbara, H	4285	Gentry, R F George, M H	4238
Ambo, K 4305	Brink, J M van	3893	Darling, M A	4162	Gerola, F M	3959
Anderson, G R 3811	Brown, C J	4153	Dash, M	3744	Getsova, A B	3820
Anderson, J L 3934 Anderson, J O 4255	Brown, H D Brown, S W	3947 3894	Davidson, D Davies, P J	4004 4319	Gibbs, A J Gilbert, L I	3960 3821
Anderson, R J 4110	Bruckbauer, H	3948	Davis, N D	4135	Gilbreath, J C	4106
4346	Buck, W B	4306	Davis, R	3748	Gilmore, J E	3913
Andrianova, N S 3795 Anonymous, 3796	Buddenhagen, I W Bukovac, M J	3971 3913	Day, E J Dean, W F	4130 4140	Girardie, A	3831 4166
3909, 4031, 4059, 4342	4318	3713	Debenest, J-M J	4141	Gispen, R Giussani-Belli, G	3942
Anthon, E W 4032	Bulgini, M J	4127	Debrevodsky, J	4064	3959, 3960	
Aoki, H 3826	Burcham, L T	4062	Decelle, J	3745	Glaeser, G	3915
Ardrey, W B 4287 Arthur, J A 4111	Burks, B D Burmeister, P	3742 3914	Demel, J Deutschlander, N	4024 4259	Glotoff, N W Goble, H W	3897 3916
Asano, S 3857	Burridge, M J	4154	Diener, U L	4135	Goldberg, E	3821
Askew, R R 3797	Butterworth, F M	3895	Dill, J C	3849	Gomec, B	3961
Aucar, V G 4115 4248, 4288	Byford, W J Cacchione, R A	3949 4127	Dingle, H Doberenz, A R	3814 4258	Good, R A Gordy, J F	4213 4129
Aulakh, K S 3935	Caldwell, R L	3814	Dodd, F O	3950	Gothe, R	3822
Avens, J S 4094	Cals, P	3806	Dolar, M S	3951	Grace, O D	4245
Awoderu, V A 3936	Calston, A W	4319	Domanska, H	4320	Graham, W A E	4061
Babcock, S W 4193 Babinski, P L 3964	Calvert, C C Camenzind, R	4123 3896	Donges, J Donnellan, J F	4270 3815	Grandolini, G Grant, C A	4334 4152
Bag, S 4076	Campbell, C H	4124	Donovan, G A	4113	Green, G J	3962
Bailie, W E 4312	Carbon, J-P P E	4125	Doyle, A D	4065	Greene, L M	4129
Baker, D H 4244 Baker, R C 4253	Carle, P Carlson, C W	4034 4206	Drees, H Duggan, R E	4292 4096	Gregg, R E Gregor, F	3750 3823
Balazs, I 3798	4207, 4247	1200	4142, 4143, 4144, 4293, 42		Grejtovsky, A	4322
Balazy, S 3799	Carlson, S D	3807	Duncan, J R	4306	Gresikova, M	4167
Baldacci, E 3910 3937, 3938, 3939, 3940, 3980,	Carrasco, J Carter, J C	4227 3950	Dungworth, D L Duperrex, A	4164 3956	Griffin, G D Griffin, J G	4052 4212
4045, 4060	Casinovi, C G	4334		4307	Grigat, E	4337
Ballantyne, B 3941	Caskey, C D	4234	Dykova, I	4271	Grover, R K	3935
Balloun, S L 4112 Bargielski, J 3799	Castro, L A B Cecil, H C	3997 4095		4157 4234	Grum, L Guenter, W	3824 4169
Bassi, M 3959	Cedro, V C F	4126		4324	Guerrero, R D	4053
Bavenboer, L 4291	4127		Edgar, S A	4131	Gur'yeva, Y L	3751
Bayer, R C 4113 Beall, S G 4164	Cengiz, A	3951 3808	4145, 4272, 4284 Edmunds, J E	4048	Gusic, V I Gyles, N R	4035 4153
Beament, J W L 3800	Cepelak, J Cerny, V	3743		4105	Habu, A	3825
Becht, H 3822	4268		Eggenhofer, R J	4146	Haff, R F	4215
Beechey, R B 3815 Beer, J 4114	Challey, J R Chaloupka, G W	4128 4129	Eidson, C S Eigner, E A	4147 4339	Hague, P H Hajj, R N	4154
Bell, G 4306	Charles, O W	4130		4117	Hakkaart, F A	4155 3963
Bell, R R 4279	Chenulu, V V	3920	Enigk, K	4148	Halisky, P M	3964
Belli, G 3937	Cherednikov, A V	3809		4049	Halstead, P	4163
3938, 3942 Benedetti, L M E de 4126	Chew, C F Chiapparini, L	3952 4060	4050 Epstein, A H	3957	Hancioglu, O Haney, J G	3951 4066
Benes, K 3801	4063		Eraker, J	3811	Hanlin, R T	3965
Benitez, J A 4115	Chinchon, R	4227		3954	Harms, R H	4103
4248, 4288 Bennett, F D 3802	Cho, Y Chona, B L	4131 3920		3816 3859	4139, 4156 Harris, E D	3983
Bennett, M V 4289	Christensen, B G	4335	Fairchild, G B	3746	Harris, S J	4095
Beran, F 3803	Cisale, H O	4126		3817	Haskell, D T	3883
3911 Berencsy , Gy 4167	Clady, M D Cleveland, C	3810 3894		4232 4304	Haskell, J B Hayashi, A	3814 3826
Bergman, B H H 3943	Close, R C	3953	Fentiman, A F	3863	Heiniger, P	3910
Bettinotti, C M 4116	4040	3954		4051 4121	Heller, G	4229
Betto, E 3944 Bierer, B W 4117	Cole, H Combs, G F	4205		3747	Henner, J Henry, J E	3966 3827
Bigland, C H 4118	4233		Fincher, G T	3748	Herbaut, C	3832
Bill, S M 4061 Biondi, E 4133	Comly, G H	3996 4132		4241	Hering, E M	3752
Biondi, E 4133 Bird, G W 4046	Compagnucci, M 4133	4132		4149 4226	Herrick, R B Hewitt, W B	4204 4330
4047	Conti, g	3944	Flanagan, C	4145	Hiepe, T	4273
Birt, L M 3887	Cook, B J	3811		3958	Hilbrich, P	4148
Bisping, W 4119 Bitman, J 4095	Cooper,m D Corstvet, R E	4213 4134		3818 3885	Hinners, S W Hocking, D	4261 3967
Bleszynski, S 3741	Cottier, G J	4135	Forsberg, J L	4321	Hodges, C F	3968
Blodgett, E C 3961	Couch, J N	3812		4308	Hoffman, M B	3917
Bobiatynska-Ksok, E 3813 Bockmann, H 3912	Couch, J R 4249, 4264	4158		4113 4219	Hogenson, R O Holt, S C	3970 4188
Bodnaryk, R P 3804	Cox, A C	4112	Francis, J	4239	Holtenius, P	4152
Boehne, J W 4220 Boerema, G H 3945	Cox, C D	4188		3967 3836	Homme, P J Hooper, F G	4157 4158
Boerema, G H 3945 Bohl, E H 4198	Cox, R S Cramer, D A	3955 4224		3836 4095	Horn, A von	4092
Bohm, H 4033	Creger, C R	4158		4220	Horst, R K	3969

Hanfand D M	3970	Krishnan, A S	4068	Miller, D D	3899	Pendergrass, A	4327
Hosford, R M	3945	Kroes, R	4121	Miller, D L	4112	Penn, R P	4100
Howeler, L H	4097	Krzywicki, M	3758	Miller, D R	3986		
Howland, R M	4304		4170			Pensack, J M	4101
Huffaker, R H		Kubin, M		Miller, J F	4070	Perey, D Y E	4213
Hughes, I W	3802	Kuc, J	4323	4071	2070	Petermann, U B	3902
Huguelet, J E	3970	Kucera, D R	3947	Mills, R R	3870	Petersen, C F	4225
Hulbert, L C	4312	Kumar, M C	4171	Minar, J	3854	4287	
Hunter, J E	3971	Kurcheva, G F	3840	3855		Petersen, G	3761
Hunziker, P	3828	Kuwahara, Y	3841	Minarik, E	4329	Peterson, I L	4214
Hurka, K	3753	3880		Minck, K	4195	Petrolini, B	3980
3829		Laffont, H	4115	Minton, E B	3946	Pette, J	4235
Huston, T M	4100	Laffont, H E	4248	Mitchell, R J	4245	Pierret, J F	4313
4257		4288		Mitrovic, M	4185	Pierson, C F	4328
Hutchinson, H D	4159	Lalatta, F	4045	4196, 4197		Pilet, C	4301
Ichinose, T	3898	Lambat, A K	3920	Moglia, C	4060	Pilz, H	4114
Ikeno, N	3830	Lamina, J	4275	Mohamed, Y S	4198	Pinet, J M	3862
Iren, S	4036	Lanier, L	3979	Mohrig, W	3856	Pinto, C A	4215
Isenberg, F M	4327	Lauge, G	3842	Moolani, M K	4075	Pitman, G B	3863
Ishino, Y	3898	Laverton, S	3921	4082	4075	Pitois, M	4277
Ivanova, I V	3754	Le Gouis, J-J E P F	4172	Moore, C H	4135	Plank, H	4163
Iyengar, M O P	3812	Lea, A O	3843	Moran, E T	4199	Plank, H E	4162
Jacob, C	4228	Leal, N R	3997	Moreau, D M	4200	Pleva, V	4266
	3972		4335				
Jakob, M H		Leanza, W J		Morrison, P E	3804	Plotnikova, S I	3864
James, L F	4304	Leib, E	4347	Motoyoshi, F	3987	Polewaczyk, D E	4265
Jamison, A	4286	Lewis, F H	3922	Moubry, R J	4300	Pomeroy, B S	4171
Jeddicke, K	4160	Ley, H L	4173	Mougeot, H L J	4311	Poole, R W	3762
Jensen, L S	4161	4174, 4175, 4176, 4177	, 41/8,	Mroczkowski, M	3760	Porte, A	3831
Jessep, C T	4041	4179, 4180	4.0.	Mukherjee, K K	3977	Povolny, D	3829
Joffe,a Z	3973	Likhachev, N V	4181	Mukhopadhyay, S K	4076	Powers, H R	3993
Johnson, C A	4128	Lincoln, S D	4182	Mulholland, R I	4040	Prasad, V	3865
4162, 4163		Lipa, Y Y	3844	4041		Preacher, P H	3947
Johnson, D L	3889	Lloyd, R W	4129	Munakata, K	3835	Presley, J T	3952
Johnson, K L	4338	Locci, R	3980	Munn, R J	4164	Prine, G M	4139
Johnston, F A	4067	4323		Murphy, C D	4201	Priode, B M	4302
Joly, L	3831	Loftfield, R B	4339	Myrdal, G R	4300	Provvidenti, R	4003
Joly, P	3831	Lohr, K F	4183	Naf, U	4325	Pulawski, W	3763
Joly, R	3832	Lombard, P B	4332	Nagasawa, S	3857	Putnam, A R	3994
Jones, E L	4037	Lori, R D	4184	Nagy, L K	4202	Putter, R	4337
Jones, J C	3890	Lowe, A D	3981	Nakagawa, S	4318	Quarles, C L	4216
Jones, J E	4234	Lyayster, Y A	3845	Nakamura, S	3858	Quinart, P M	4217
Jones, J P	3974	Lyle, W E	4300	Nayar, K K	3788	Quintana, V	3888
Jonsson, G	4152	Lyon, R J	4038	Nelson, B	4077	Radewald, J D	4054
Jorgenson, E C	4052	MacKenzie, D R	3954	Nelson, P E	3969	Ragala, P	4329
	4263		4069	Nelson, T S	4190	Raghuwanshi, O P	3866
Joshi, C S		MacKenzie, G H	4235		4203		4283
Kahlert, K	3918	Mahnel, H		Netke, S P	4203	Rahim, A	3995
Kahn, A	4283	Mainland, C M	4324	Neururer, H	4076	Rai, J N	4218
Kandybina, M N	3833	Mainprize, L F	3996	4079, 4343	4171	Raines, T V	
Katayama, E	3834	Mal'chenkova, N I	3846	Newman, J A	4171	Rasmussen, J	4304
Kaufman, H A	3850	Maloney, M A	4106	Newton, M	4080	Rasmusson, G H	4335
Kaump, D H	4226	Marsh, P M	3759	Nicklas, R B	3896	Rathore, B S	4223
Kawakawi, T G	4164	Martelli, M	3940	Nicklas, W E	4314	Rattink, H	3925
Kawano, T	3835	Martens, J W	3962	Niedzwiecki, E	3813	Razowski, J	3764
Kaya, S	4252	Martinez, E S	4127	Nielsen, J	3989	Refati, E	3937
Keeley, L L	3836	Martinovsky, J	3847	Ninan, T	3900	Reichmuth, W	3867
Kerr, E	4027	Martinson, R	4161	Nishizawa, R	3990	Reid, B L	4258
Kerr, K M	4165	Martone, F	4132	Nockels, C F	4204	Reiss, F	3765
Keshavamurthy, K V	4028	Marusich, W L	4185	Nott, H	4205	_ 3766	
Khan, M A Q	3837	Marx, F	4186	Novacek, E J	4206	Reyes, A A	3996
Khan, N H	3866	Mathieu, D	4187	4207		Ribeiro, R L D	3997
Khanna, A N	4006	Mathur, C F	3892	Novitskaya, T N	3819	Richter, F	4134
Khanna, B M	4006	Matis, J	4266	Nudge, F J	4091	Rikhter, V A	3833
Kienholz, E W	4210	Matthews, R W	3759	Nur, U	3901	Rinker, H B	4211
4314		Matuskova, E	4170	O'Brien, R W	4240	Rizki, T M	3903
Kiesling, R L	3970	Matzer, N	4134	O'Reilly, D J	4260	Roane, C W	3998
Kimoto, S	3755	Mauman, R K	4188	Obel, A L	4208	Robbins, W E	3807
Kingsolver, J M	3756	Mayberry, K S	4054	Oddo, N	4334	Roberson, R H	4219
Kinzer, G W	3863	Mayer, H F	4189	Oehme, F W	4312	Roberts, T	4220
Kirk, J K	4098	Mayer, K	3848	Oetjen, J	4209	_ 4221	
4274, 4295, 4296, 429	97, 4298,	Mayr, E	4344	4243		Rojas, A	4228
4299		McCann, G D	3849	Ogrinz, E	4185	Rola, J	4081
Kitamura, C	3841	McDaniel, B	3757	Ohkawa, H	3859	Rommel, A	4229
3880		McFadden, L A	3982	Ohnesorge, B	3924	Ronde-Verloop, F M d	4166
Kleven, S H	4171	McGillivary, J J	4190	Ohnishi, E	3881	Rosen, J D	3837
Klos, E J	3975	McGinnis, J	4120	Olin, J F	4340	Ross, E	4222
Knap, J	3976	McGlohon, N E	3983	Olivieri, R	4334	Ross, J P J	4183
Kocurik, S	4322	McVicar, J W	4191	Olson, J D	4210	Roubal, J	3767
Kohli, S'P	3977	Mehta, R D	3893	Omar, M S	3860	Routtenberg, A	3794
Kojima, E S	3971	Meignoz, R	4000	Ortmayer, H B	4263	Rowland, L O	4103
Kok-Doorschodt, H J	4166	Melton, T M	3850	Osgood, J W	4054	Roy, R	3768
Koller, M	4167	Menge, H	4192	Oshima, N	3987	Rudolph, R	4259
Kolman, J M	4168	Menshutkina, T V	3851	Oshima, Y	3859	Rumsey, T S	4302
Kolomiyets, N G	3838	Mentzel, W	3984	Otto, H W	4326	Russ, K	3740
Konar, S K	4310	Mercantini, R	4334	Pala, J	4009	3868, 3926	
Kondra, P A	4169	Meshkova, A M	3852	Pallet, D A	3996	Rybalko, A P	3869
Konopko, E	4009	Messner, B	3856	Palmer, I S	4247	Rysavy, B	4278
Kosaka, K	4285	Metlitsky, L V	3985	Palmiter, D H	3991	Sadanaga, K	3825
Kosztarab, M	3757	Meyer, G B	4193	Panciera, R J	4211	Sagsoz, S	3951
Kovalev, Ó V	3833	Meylan, G	3923	Pantyukhov, G A	3861	Saito, T	3826
Kozera, W	3978	Michel, J F	4276	Parkhurst, R T	4212	3835	
Kralovic, J	3839	Michelin, P A	4194	Paulus, A O	4054	Saitoh, K	3904
Krasienikov, N A	3919	Miczulski, B	3853	Peacher, P H	3992	Saitoh, M	3904
Krishnamoorthi, T	4068	Milburn, N S	3817	Pellerin, J P S	4099	Saly, A	4055
and a second sec	7000		3017		,		

AUTHOR INDEX

Zwatz, B

Samborski, D J	3999	Sinha, A K	3995	Tam, K F	4145	Vite, J P	3863
Sanford, P E	4223	Skilling, D D	3928	Tamimie, H S	4246	Vogel, W	4254
Sanger, W G	3899	4007		Tanaka, F	3859	Volkova, G A	3820
Sasakawa, M	3769	Skopin, N G	3772	Taylor, T H C	3883	Volozina, N V	3886
Satour, M M	4330	Slama, K	3903	Tekinel, N	3951	Vukovits, G	4021
	3870	Smale, B C	4008		3884		3934
Sauer, J.R.			4163	Telenga, N A		Wadley, B N	
Sauer, N.G.	4224	Smeltzer, R	4103	Tenora, F	4278	Waldroup, P W	4317
Sauter, E A	4225	Smith, D H	3900	Ternovskii, M F	4016	Walker, A C	3887
4287		Smith, D R	3773	Terrat, J L	4316	Walker, D W	3888
Savage, S I	4314	Smith, H G	3960	Theilen, G H	4164	Wallbank, A M	4242
Sazonova, O N	3770	Smith, J P Smith, S B	4279 4234	Thomas, O P	4233	Wallen, V R	4022
Scalla, R	4000	Smith, S B	4234	Thompson, O J	4247	Waloff, N	3784
Schablik, M	4167	Smyth, J R	4256	Thomsen, E	3843	Warner, C A	3996
	3871	Sobrero, R	4236	Thorell, C B	4152	Warnick, Re	4255
Schaefer, C H		Sonda, G P	4237				
Schaelling, J P	3934	Sorheim, A O	4202	Tierce, J F	4106	Washburn, K W	4104
Schardein, J L	4226			Todd, E L	3780	4147, 4256, 4257	
Scheifele, G L	4001	Spalding, D H	4008	3781		Washino, R K	3871
Schenone, H	4227	Spears, J F	4056	Toeppich, S	4084	Watanabe, H	3997
4228		Speers, G M	4112	Tolin, S A	3998	Watanabe, Y	4305
Schildknecht, E G	4196	Spencer, J V	4238	Tollet, V E	4317	Wearsch, T	3885
4197	,0	Spradbrow, P B	4239	Tolman, V	3873	Weber, C W	4258
Schlenz-true, R	3870	Springensguth, W	3929	Toma, B	4301	Weil, E D	4341
		Srekajs, A	4083				
Schlichting, H L	4341	Stach, J	3774	Tonolo, A	4334	Weiss, E	4259
Schmidlin, A	3771		3876	Toranzos, L B	4115	Wellso, S G	3900
Schmittle, S C	4147	Stary, P	4009	4248, 4288		Wenner, A M	3889
Schnathorst, W C	4002	Starzycki, S		Toung, M	4057	Wensvoort, P	4107
Schneiderman, H A	3872	Staten, G	3952	Townes, H	3782	Wenzl, H	4023
Scholtyseck, E	4229	Steel, W O	3775	Trammell, J L	4249	4024	
Schomer, H A	4328	Steele, J E	3877	Treherne, J E	3800	Werner, R A	3890
Schonbeck, H	3927	Steeves, H R	3807		4085		4332
		Stekol'nikov, A A	3878	Tsesalin, H A	4063	Westwood, M N	
Schreier, O	4042	Stephen, R C	4040	Tsitovich, I K	4303	Wetzel, H	4281
Schroeder, W T	4003	Stephens, J F	4250	Tsuda, T	4305	Wheeler, J A	4089
Schulten, G G M	3905	4251	7230	Tsukada, T	4285	White, D S	4260
Schwarz, R	3873		4217	Tsuneki, K	3783	Whitten, J	3821
Scott, H M	4187	Stephenson, E L	4317	Tunstall, J P	4044	Wicker, E F	4025
4203, 4244	,	Stern, J R	4240	Turk, D E	4250	Williams, D J	3785
Scott, W F	4117	Stewart, R C	4215	4251	7230	Willows, W A	3996
		Stewart, T B	3748		4252		
Sebek, Z	4278	Stino, K R	4104	Turkmenoglu, Z	4252	Wills, J R	4261
Sell, J L	4155	Stratman, F W	4241	Turner, J E	4153	Wiseman, R A	4282
Sem'yanov, V P	3844	Streeter, E M	4238	Ubrizsy, G	4086	Witte, J H	4262
Sethi, K L	3977	Stubbs, E L	4242	Ulinich, A	4087	Wittmann, W	4026
Sevoian, M	4230	Stusak, J M	3776	Ullstrup, A.J	4017	Wittwer, S H	4333
4231		Stusak, J W	3770	Umeda, K	3859	Wojewodin, A W	4090
Shahidi, A	4232	Stute, W	4243	Umezu, M	4305	Woltz, S S	3974
		Sudo, S	3997				3907
Shank, F R	4233	Sugahara, M	4244	Umphlett, C J	3812	Wood, R J	
Sharp, W R	4004	Sugi, S	3777	Urriola, J	4227	Woodroffe, G E	3775
Shepherd, S M	4302	Sukhov, K S	4014	Uschmann, I	4273	Wooley, P H	3891
Sherwood, D H	4234	Sullivan, I	4325	Vaccaro, A	4133	Wysong, D S	4027
Shevchenko, A K	3874	Sullivan, T W	4245	Vadehra, D V	4253	Yamamoto, R	4263
Shibata, F	4305	Sumangil, J P	4093	Valley, K	3885	Yamamoto, S	4305
Shibuya, F	4054	Summers, J D	4199	Vallo, V	3839	Yano, S	4285
Shiga, A	4305	Sunde, M L	4193	Van Kampen, K R	4304	Yaraguntaiah, R C	4028
Shigematsu, H	3875			Van Sickle, G A	4018	Yazykova, T F	4014
		Suso, F A	4105				
Shilenko, B V	3906	Sutherland, D J	3837	Van Wormer, M C	4234	Youngner, V B	4091
Shoji, Y	4305	Sutmoller, P	4191	Vandeberg, J S	3807	Yurkiewicz, W J	3892
Shor, A L	4101	Suzuki, G	3881	Vardaman, T H	4212	Zacchi, A	4150
Shutze, J V	4204	Symons, L E A	4280	Vegetti, G	3944	Zak-Ogaza, B	3786
4224		Szeptycki, A	3778	Velu, J G	4203	Zambettakis, C	4029
Siegl, G	4235	Szulc, W	3779	Verhoeff, K	4019	Zaslavskiy, V A	3787
Simkins, K L	4101	Takahashi, F	3841	Verlaat, J	4088	Zavala, M A	4264
Simmonds, F J	4043	3880	JUT1	Viglierchio, D R	4058	Zindel, H C	4289
	4315		2000	Vilagiova, I	4273	Ziolkowski, G	3799
Singer, R H		Takahashi, H	3898				
Singh, A B	4005	Takahashi, S Y	3881	Villarroel, F	4227	Zolli, Z	4265
Singh, D V	4006	Takamiya, K	3882	4228	4000	Zuffa, A	4266
Singh, G B	4082	Takeshita, H	3875	Vindu, H C	4020	Zwatz, B	4030



ORGANIZATIONAL INDEX

Agricultural Research Service Entomology Research Div.

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3896

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Ecole National Veterinaire d'Alfort, France 4099, 4141, 4307, 4311, 4313 Ecole Nationale Veterinaire d'Alfort, France 4125, 4172, 4194, 4200, 4217, 4262, 4277, 4316

Entomological Society of America, College Park, 3739

Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany 4337

Food and Drug Administration, Washington, D.

4096, 4098, 4142, 4143, 4144, 4174, 4175, 4177, 4179, 4180, 4274, 4293, 4294, 4295, 4296, 4297, 4298

Food and Drug Administration, Washington, D. C. P 4299

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Massachusetts Univ., Amherst Dept. of Veterinary and Animal Sciences 4256

Merck and Co., Rahway, N. J. 4335

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Ministry of Agriculture, Fisheries and Food, London

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Monsanto Co., St. Louis, Mo. 4336, 4340

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National Cancer Inst. 4242 National Science Foundation

3895, 4325 National Science Foundation, Washington, D. C. 3965

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Biology Branch 3988

Od and Drug Administration 4173

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Poultry Science Association 4102

Public Health Service 3794, 3798, 3836, 3837, 4213, 4339 Public Health Service, Atlanta, Ga. National Communicable Disease Center

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Station phytosanitaire, Geneva, Switzerland 3930, 3931, 3932, 4010, 4011, 4012, 4013

Sunkist Growers, Los Angeles, Calif. Pest Control Dept. 3879, 4015, 4331

Swift and Co., Chicago, Ill. 4338

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