

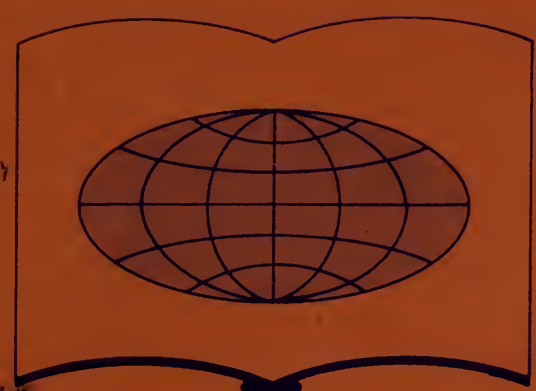
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Pesticides DOCUMENTATION BULLETIN

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Volume 5
March 28, 1969

Number 7



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PESTICIDES DOCUMENTATION BULLETIN

Volume 5
March 28, 1969
Number 7

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 proprietary restriction will be suppressed when appropriate.

AVAILABILITY OF REFERENCES CITED

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ACKNOWLEDGMENT

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

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

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

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

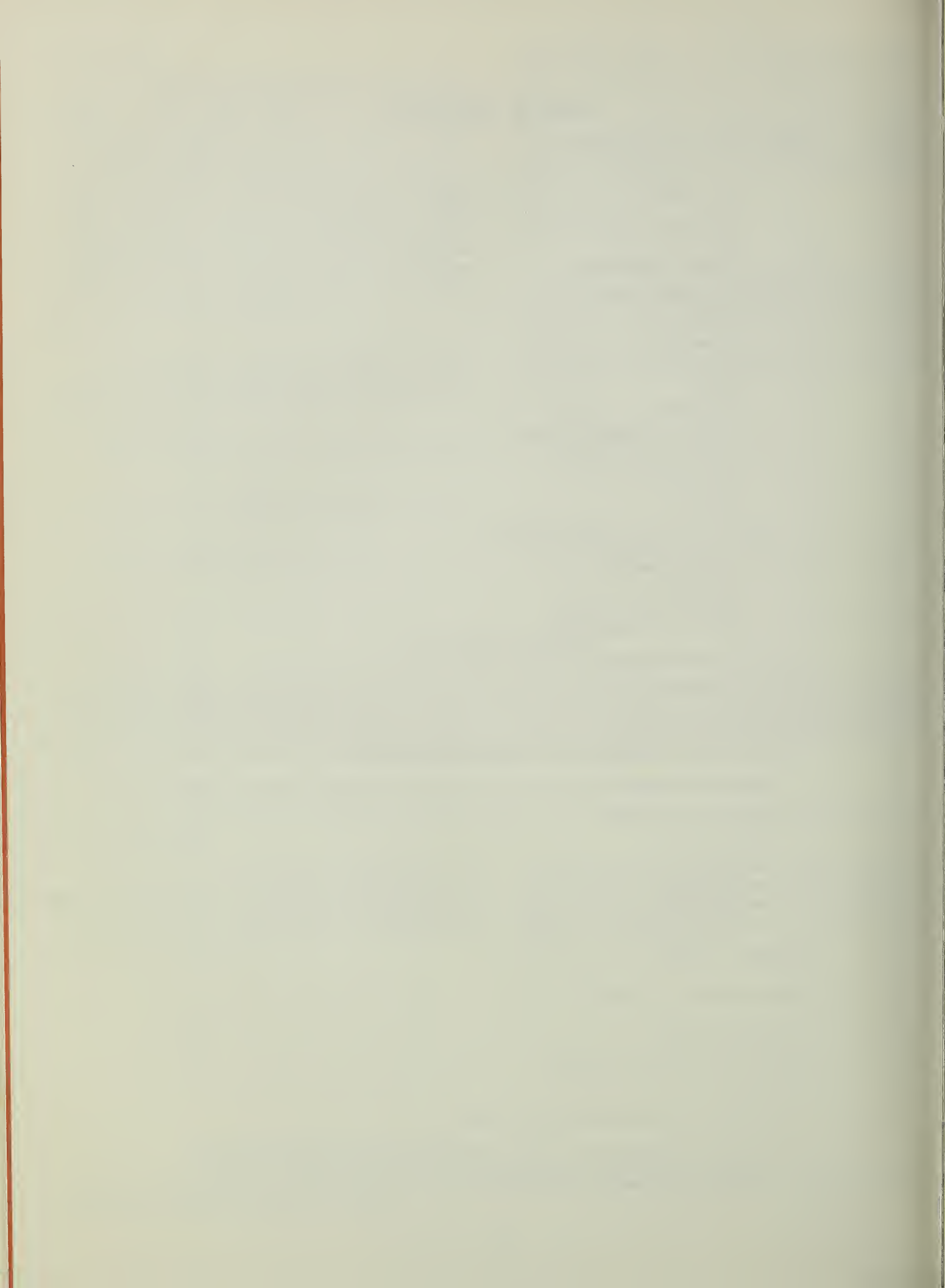
CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

TABLE OF CONTENTS

BIBLIOGRAPHY (Citations)	<i>Page</i>
10 ENTOMOLOGY.....	1
Systematics.....	1
Physiology and Biochemistry.....	3
Genetics.....	7
Medical Entomology.....	8
20 CROP PROTECTION.....	8
Diseases.....	9
Arthropods.....	13
Nematodes.....	13
Weeds.....	14
Other Pests.....	15
30 LIVESTOCK PROTECTION.....	15
Diseases.....	16
Arthropods.....	23
Parasites.....	23
40 COMMODITY PROTECTION.....	24
Storage Diseases.....	24
Arthropods.....	*
Rodents 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

*This issue does not contain citations under this category.

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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.

3740-69
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 CRAMBINAE.
S Bleszynski
Acta Zool Cracov 12(5):39-110 REF
30 Mar 1967 410 AC86
Crambinae, Insect taxonomy, Zoogeography.

3742-69
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.

3744-69
TO THE FAUNA OF IXODID TICKS OF MONGOLIA.
M Dash
Folia Parasitol 16(1):18
1969 436.8 C33
Catalogs, Host relationships, Insect geography, Ixodidae, Seasonal variation, Surveys.

3745-69
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION OF A. VILLIERS AND A. DESCARPENTRIES. XLV. COLEOPTERA OCHODAEIDAE. (FR)
J Decelle
Inst Fondamental Afr Noire Bull Ser A Sci Natur 29(1):344
Jan 1967 515 D14
Coleoptera, Insect taxonomy, Zoogeography.

3746-69
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 ANGOLA. (POR)
M C Ferreira
Rev Entomol Mocambique 8(2):415-1317 MAP REF
1965 421 R3294
Catalogs, Coleoptera, Insect taxonomy, Zoogeography.

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 nigrocyanus, Phanaeus torrens niger, Phanaeus vindex cyanellus, Scarabaeidae, Zoogeography.

3749-69
A NEW GENUS AND TWO NEW SPECIES OF CECIDOMYIIDAE ASSOCIATED WITH PARIANA SPP. (GRAMINEAE) IN SOUTH AMERICA (DIPTERA).
R J Gagne
Entomol Soc Wash Proc 71(1):108-111
Mar 1969 420 W27
Cecidomyiidae, Chauiodontomyia egregia, Chauiodontomyia pariana, Grasses, Insect taxonomy, Pariana.

3750-69
GEOGRAPHIC DISTRIBUTION OF THE ANT GENUS FORMICA (HYMENOPTERA: FORMICIDAE).
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, ELATERIDAE) 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 tadhikistanicus 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.

3754-69
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.

3755-69
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.

3756-69
A NEW SPECIES ON NEOTROPICAL SEED WEEVIL AFFECTING PIGEON PEAS, WITH NOTES ON TWO CLOSELY RELATED SPECIES (COLEOPTERA: BRUCHIDAE: BRUCHINAE).
J M Kingsolver
Entomol Soc Wash Proc 71(1):50-55 REF
Mar 1969 420 W27
Acanthoscelides armitagei, Acanthoscelides distinguendus, Acanthoscelides ochraceicolor, Acanthoscelides zeteki, Bruchidae, Coleoptera, Insect taxonomy, Neotropical Region, Pigeonpeas.

3757-69
A NEW SPECIES OF ANTONINA SIGNORET FROM SOUTH DAKOTA WITH NEW RECORDS FOR A. BOUTELOUAE PARROTT (HOMOPTERA: COCCOIDEA: PSEUDOCOCOIDEA).
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.

3758-69
PAPILIONOIDEA AND HESPERIOIDEA (LEPIDOPTERA) OF THE VIRGIN FOREST OF BIALOWIESKI. (POL)
M Krzywicki
Pol Akad Nauk Inst Zool Ann Zool 25(1):213P REF
15 Jun 1967 410.9 W26
Butterflies, Hesperidae, 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: DORYCTINAE).
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.

3760-69
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.

3761-69
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 levantinus, Nemapogon orientalis, Tineidae, Zoogeography.

3762-69
CONODONTIS PEPLARIA GEYER, A NOCTUID, 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.

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.

3764-69

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.

3765-69

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 CONTRIBUTION 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.

3768-69

A CONTRIBUTION TO THE GENUS MANTIS LINNE AND PARAMANTIS, NOV. (MANTIDAE). (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.

3769-69

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, Penthertia ritsumeikana. Japanese summary.

3770-69

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

O N Sazonova

Moskov Obshch Ispytalei Prirody Byul Otd Biol

73(2):63-80 REF

1968 511 M85

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

3771-69

SUPPLEMENTARY COMMUNICATION CONCERNING THE OCCURRENCE OF CARADRINA KADENII FR. (LEP.NOCT.) IN SWITZERLAND. (GE)

A Schmidlin

Entomol Gesell Basel 14(3,MAY-JUN):61

1964 QL461.E58

Lepidoptera, Noctuidae, Zoogeography.

3772-69

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

N G Skopin

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

1967 421 R322AE

Insect taxonomy, Melanesthes, Nomenclature, Tenebrionidae.

3773-69

THE GENUS SUSANA ROHWER AND MIDDLETON (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, Zoogeography.

3775-69

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.

3776-69

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

J M Stusak

Acta Ent Bohemoslov 58(3):261-265 REF

20 Jul 1961 420 C33

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

3777-69

ON THE IDENTITY OF 'DASYTHORAX OGASAWARAE MATSUMURA' (LEPIDOPTERA, NOCTUIDAE, CUCULLIINAE).

S Sugi

Kontyu 35(4):364-367

Nov 1967 421 K833

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

3778-69

MORPHO-SYSTEMATIC STUDIES ON COLLEMBOLA 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, RHYNCHAPHYOPTIDAE) FROM POLAND.

W Szulc

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

15 Mar 1967 410 AC86

Eriophyidae, Insect taxonomy, Zoogeography.

3780-69

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

E L Todd

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

Mar 1969 420 W27

Gonodonta obesa, Insect taxonomy, Noctuidae, Nomenclature.

3781-69

NEW 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.

3782-69

THE NEOTROPIC SPECIES OF XANTHOPIMPLA (HYMENOPTERA: ICHNEUMONIDAE).

H Townes

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

Mar 1969 420 W27

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

3783-69

SPHECOIDEA FROM THE RYUKYUS AND FERMOSA (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.

3785-69

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

D J Williams

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

Mar 1969 420 W27

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

3786-69

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, Lipids, *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.

3790-69

CONTROLLING HOUSEHOLD PESTS.

U S D 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.

3793-69

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 veracruzana*, Tegula, Tiphiidae.

3794-69

REMINISCENCE IN THE COLD FLOUR BEE-TLE (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.

N S Andrianova

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.

R R Askew

Roy Entomol Soc London Trans 120(P1):37P

REF

1968 420 L84

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

3798-69

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.

3800-69

INSECTS AND PHYSIOLOGY; ESSAYS PRESENTED TO SIR VINCENT WIGLESWORTH, 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.

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.

3801-69

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

K Benes

Acta Ent Bohemoslov 58(3):221-227 REF

20 Jul 1961 420 C33

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

3802-69

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, Insect biology, Insect morphology, Parasites. French summary.

3803-69

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 insects, Carbamates, Carbaryl, Chlorinated hydrocarbons, Dinitroresol, Insecticide resistant

insects. 17 insecticides are listed and their degree of danger to bees is indicated.

3804-69

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

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 AROMATIC 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.

3806-69

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.

3807-69

VITAMIN A DEFICIENCY: EFFECT ON RETINAL STRUCTURE OF THE MOTH, MANDUCA SEXTA.

S D Carlson H R Steeves J S Vandenberg 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.

3809-69

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.

3810-69

USE OF FRESHWATER SPONGE IN CASE CONSTRUCTION OF LIMNAPHILUS SPECIES (TRICHOPTERA: LIMNAPHILIDAE).

M D Clady

Entomol Soc Wash Proc 71(1):98

Mar 1969 420 W27

Insect traps, Limnaphilidae, Sponges, Trichoptera.

3811-69

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 Iyengar

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.

3813-69

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

B Czczuga E Bobiatynska-Ksok E Niedzwiecki

Zool Pol 18(3):317-328 REF

1968 410 Z712

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

3814-69

TEMPERATURE AND CIRCADIAN CONTROL OF CUTICLE GROWTH ON THE BUG, ONCOPELTUS 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 OF THE SPECIES TRICHOCLADIUS TRIFASCIA EDWARDS (CHIRONOMIDAE, DIPTERA) IN THE DANUBE. (GE)

E Ertlova

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

1969 442.8 B5265

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

3817-69

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 Gavrindashvili 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 BY DRAGONFLY NYMPHS (ODONATA).

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

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

3822-69

INVESTIGATIONS ON THE DEVELOPMENT OF AEGYPTIANELLA PULLORUM CARPANO, 1928, IN THE SOFT TICK ARGAS (PERSICARGAS) 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 GENUS 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.

3824-69

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). (JA)

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.

3826-69

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 summary.

3827-69

EARLY MORPHOGENESIS OF TUMOURS INDUCED BY NOSEMA ACRIDOPHAGUS IN MELANOPLUS SANGUINIPES.

J E Henry

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

Mar 1969 421 J825

Insect physiology, Melanoplus sanguinipes, 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.

3829-69

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.

3830-69

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.

3831-69

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 FORICATUS L. (MYRIOPODA CHILOPODA). (FR)

R Joly C Herbat

Arch Zool Exp Gen 109(4):591-612 REF

30 Dec 1968 410 AR24

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

3833-69

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.

3834-69

SOME BIOLOGICAL NOTES ON BOMBUS IGNITUS 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.

3835-69

STUDY ON ATTRACTANT OF THE RICE STEM BORER, CHILO SUPPRESSALIS 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

3836-69

EFFECTS OF LONG-TERM CARDIATECTOMY-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, HYMENOPTERA) 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

Acyrtosiphon pisum, Aphidius, Life cycle. Russian abstract.

3840-69

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.

3841-69

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.

3842-69

CHANGES IN GONADS AND PRIMARY SEXUAL CHARACTERS IN TRIPLOID INTERSEXES 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) IN LENINGRAD PROVINCE.

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 CAUCASIAN 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.

3846-69

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. floveolata*, *C. elegans*, and *C. festiva*.

3848-69

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

K Mayer

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

REF

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 CADDISFLIES (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.

3852-69

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

3853-69

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 LARVAE. (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.

3857-69

THE TOXIC ACTION OF A MIXTURE OF GAMMA-BHC AND EDB TO CRYPHALUS FULVUS NIJIMA. STUDIES ON THE CONTROL OF 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, Forest insects, Insecticides, Lindane, Scolytidae, Toxins. English summary.

3858-69

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

S Nakamura

Sansi-kenkyu (65):149-156

Oct 1967 425.9 J273S

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

3859-69

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

H Ohkawa M Eto Y Oshima F Tanaka K Umeda

Botyu-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 summary.

3860-69

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

M S Omar

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

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

1967 421 R322AE

Diet, Food plants, Insect nutrition, Insect physiology, Lymnantiidae, *Nygmia phaeorrhoea*.

3862-69

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.

3863-69

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.

3864-69

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

S I Plotnikova

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

1967 421 R322AE

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

3865-69

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

V Prasad

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

Mar 1969 420 W27

Dicrocheles phalaeodectes, Insect anatomy, Insect identification, Mesostigmata, *Pseudaletia unipuncta*.

3866-69

EFFECTS OF APHOLATE ON THE BIONOMICS OF MUSCA DOMESTICA NEBULO FABR.

O P Raghuvanshi 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.

3867-69

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 sulfate.

3868-69

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).

3869-69

DISTRIBUTION OF SEED BEETLES (COLEOPTERA, 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.

3871-69

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 DEVELOPMENT. (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). (FR)

R Schwarz V Tolman

Acta Ent Bohemoslov 58(3):284-287

20 Jul 1961 420 C33

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

3874-69

BITING MIDGES OF THE GENUS CULICOIDES 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

Ceratopegonidae, Culicoides, Insect behavior.

3875-69

EFFECT OF GAMMA-IRRADIATION OF LATE EMBRYO ON THE GROWTH OF SILKGANDS 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.

3876-69

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.

3877-69

THE HYPERGLYCAEMIC ACTIVITY OF THE CORPUS ALLATUM IN AN INSECT.

J E Steele

J Insect Physiol 15(3):421-423

Mar 1969 421 J825

Brain, Chromatography, Corpora allata, Hyperglycemia, Insect physiology, *Periplaneta americana*.

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.

3880-69

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

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.

3882-69

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.

- 3883-69
REPORT OF THE ANTI-LOCUST RESEARCH CENTRE.
T H C Taylor D T Haskell
Her Majesty's Stationery Office, London, England (PT 112):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.
- 3885-69
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.
- 3886-69
THE EFFECT OF THE AMOUNT OF BLOOD TAKEN AND ADDITIONAL CARBOHYDRATE NUTRITION ON OOGENESIS IN FEMALES OF BLOOD-SUCKING MOSQUITOES OF THE GENUS AEADES (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.
- 3887-69
AN ELECTRON MICROSCOPE STUDY OF THORACIC MITOCHONDRIAL 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.
- 3888-69
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.
- 3889-69
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.
- 3890-69
PHAGOCYTTIC 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.
- 3891-69
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 ulmi.
- 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 421 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.
- 3894-69
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.
- 3895-69
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 GRYLLOTTALPA HEXADACTYLA. A MICROMANIPULATION ANALYSIS.
R Camenzind R B Nicklas
Chromosoma 24(3):324-335 REF
13 Aug 1968 442.8 C46
Gryllootalpa 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 QH431.A1G4
Drosophila melanogaster, Insect genetics, Oogenesis, Polyploidy, Radiation. English summary.
- 3898-69
HEREDITARY NATURE OF THE TWO FORMS OF ARGYROGRAMMA ALBOSTRIATA (BREMER AND GREY) (NOCTUIDAE, PLUSIINAE).
T Ichinose H Takahashi Y Ishino
Kontyu 35(4):329-336 REF
Nov 1967 421 K833
Argyrogramma albostrata, Heredity, Insect genetics, Insect morphology, Insect rearing, Noctuidae, Polymorphism, Wings (insects).
- 3899-69
SALIVARY GLAND CHROMOSOME VARIATION IN THE DROSOPHILA AFFINIS SUBGROUP. II. COMPARISON OF C-CHROMOSOME PATTERNS IN D. 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.
- 3900-69
CHROMOSOMES OF THE CEREAL LEAF BEETLE.
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.
- 3901-69
ENDOMITOSIS IN THE MEALY BUG, PLANOCOCCUS CITRI (HOMOPTERA: COCCOIDEA).
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 PYRRHOCORIS.
T M Rizki K Slama
J Hered 59(6,NOV-DEC):327-328
Dec 1968 442.8 AM3
Insect genetics, Insect mutation, Pyrrhocoris apterus.
- 3904-69
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, Blattellidae, Chromosomes, Insect genetics, Periplaneta americana. English summary.
- 3905-69
GENETICS OF ORGANOPHOSPHATE RESISTANCE IN THE TWO-SPOTTED SPIDER MITE (TETRANYCHUS URTICAE KOCH).
G G M Schulten
Amsterdam Inst Trop Mededel (57):57P REF
1968 503 AM82
Insect genetics, Insecticide resistant insects, Organophosphorus compounds, Tetranychus urticae.
- 3906-69
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.
- 3907-69
HETEROGENEITY IN THE TRINIDAD DDT-RESISTANT STRAIN AND THE QS SUSCEPTIBLE STRAIN OF AEADES 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

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, Immunization, Insect vectors, Methodology, Parasites, Trypanosomiasis.

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.

3910-69

ELECTRON MICROSCOPE EXAMINATION OF ULTRA-THIN SECTIONS OF STREPTOMYCES VIRIDICROMOGENES 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 viridichromogenes. 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.

3912-69

CROP ROTATION HYGIENE IN GRAIN CULTURES. (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

Chlorophenoxy-alpha-propionamide, 3-, 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 (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 VEGETABLES.

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, parliament buildings, Toronto

3917-69

THIS MAY BE THE YEAR FOR SPRAY THINNING.

M B Hoffman

Amer Fruit Grower 89(3):18.20

Mar 1969 80 G85W

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

3918-69

THE PLANT PROTECTION IMPORT CONTROLS IN BAVARIA. (GE)

K Kahlert

Gesunde Pflanzen 20(12):262-265 MAP

Dec 1968 464.8 G33

Import control, Insect pests, Plant disease control, Plant nematodes, Plant protection, Plant quarantine.

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.

3920-69

MORPHOLOGICAL VARIATION IN THE SUGARCANE SMUT, USTILAGO SCITAMINEA SYD.

A K Lambat V V Chenulu B L Chona

Mycopathol Mycol Appl 36(314):300-304

1968 450 M994

Fungi, Isolates, Plant morphology, Smut, Sugarcane.

3921-69

ELECTRIFYING AGRICULTURE AND HORTICULTURE.

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.

3923-69

SUPPLEMENT TO THE PLANT PROTECTION BULLETIN. (FR)

G Meylan

Rev Horticole Suisse 41(7):174-175

Jul 1968 80 R3212

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

3924-69

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

B Ohnesorge

Berlin Biol Bundesanst Land-forstwirtschaft 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 ASCOSPORE RELEASE BY SCLERODERRIS LAGERBERGII.

D D Skilling

Plant Dis Rep 53(4):289-291

Apr 1969 1.9 P69P

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

3929-69

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.

3931-69

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 HARVEST .*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 nutrition, 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 Schaeffling

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 SOLANI AND CLADOSPORIUM FULVUM.

K S Aulakh R K 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.

3936-69

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.

3937-69

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 summary.

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

3939-69

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.

3940-69

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.

3941-69

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). English summary.

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

3943-69

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.

3944-69

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

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 summary.

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(P1 1):15-28 REF

1967 QK600.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*.

3948-69

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).

3949-69

PLANT PATHOLOGY FIELD DAY.

W J Byford

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

Mar 1968 QK600.B7

Beans, Crop varieties, Fungus diseases (plants), 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.

3952-69

SURVEY, SCREENING, AND BREEDING FOR BACTERIAL BLIGHT RESISTANCE IN COTTON.

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

STEM RUST OF WHEAT IN CANTERBURY.

R C Close

New Zealand Wheat Rev (10):47-52

1967 59.8 N48

Fungus diseases (plants), *Puccinia graminis*, Stem rust, Wheat.

3954-69

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).

3955-69

A FLOWER BLIGHT OF CHRYSANTHEMUM IN SOUTH FLORIDA.

R S Cox

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 PETUNIA 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 UNCERTIFIED NURSERY FRUIT TREES IN WASHINGTON IN 1968.

B Gomez 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 INOCULUM OVER WESTERN CANADA IN 1968.

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.

3963-69

PREVENTION OF THE SPREAD OF NON-PERSISTENT 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-, Pentachloronitrobenzene, Poa pratensis, Stripe smut, Ustilago striiformis.

3965-69

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.

3966-69

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.

3967-69

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 & Sugarcane 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.

3968-69

ADDITIONAL VARIETIES OF AGROSTIS PALUSTRIS INFECTED BY USTILAGO STRIIFORMIS VAR. AGROSTIDIS.

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.

3969-69

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, Stem rot.

3970-69

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

R M Hosford R O Hogenson J E Huguette R L

Kiesling

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

Hohenheim 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, Rhizoctonia gossypii, Seedlings.

3973-69

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.

3975-69

FRUIT DISEASE PROBLEMS AND NEW APPROACHES 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.

3976-69

MICRONUTRIENTS: THE SECRET OF BETTER YIELDS FOR FARMERS.

J Knap

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.

3978-69

VIRULENCE OF VARIOUS GROUPS OF LOOSE SMUT OF BARLEY, (USTILAGO NUDA (JENS.) ROSTR.) PHYSIOLOGICAL RACES IN THE LIGHT OF ANATOMICAL INVESTIGATIONS OF SPRING BARLEY VARIETIES DIFFERENT 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 resistance, Plant physiology, Ustilago nuda. English and Russian summaries.

3979-69

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

L Lanier
Forestier Sci Ann 25(1):35-50 REF
1968 99.9 F845

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

3980-69

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.

3982-69

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.

3983-69

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, Sannioidea exitiosa, Spraying.

3984-69

THE OCCURRENCE OF THE DOWNY MILDEW 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.

3986-69

LOPHODERMIIUM 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.

3987-69

MULTIPLICATION OF TOBACCO MOSAIC VIRUS IN SUSPENSION CULTURE OF TOBACCO CELLS.

F Motoyoshi N Oshima
Jap J Microbiol 12(3):317-320
Sep 1968 448.8 J273

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

3988-69

MELANOSE OF CITRUS.

Agr Gaz New S Wales 79(8):BACK COVER
Aug 1968 23 N472

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

3989-69

A RACE OF USTILAGO TRITICI VIRULENT ON THATCHER WHEAT AND ITS DERIVATIVES.

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.

3990-69

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.

3991-69

A TRANSMISSIBLE FRUIT-DEPRESSION DISEASE 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).

3992-69

LIVE OAK IN MISSISSIPPI INFECTED BY ENDOETHIA 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 CRONARTIUM COMANDRAE.

H R Powers
Plant Dis Rep 53(4):320
Apr 1969 1.9 P69P

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

3994-69

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.

3995-69

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, Pearl millet, 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.

3997-69

DEVELOPMENT OF A NEW VARIETY OF TOMATO NAMED MIGUEL PEREIRA, WITH RESISTANCE TO BOTH FUSARIUM AND VERTICILLIUM 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).

3999-69

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.

4001-69

EFFECTS OF EARLY 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.

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

4002-69

DETECTABLE LEVELS OF XANTHOMONAS MALVACEARUM 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*.

4003-69

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*.

4004-69

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.

4005-69

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.

4009-69

THE EFFECT OF LOW DOSES OF GAMMA IRRADIATION UPON THE RATE OF INFECTION OF PLANTS WITH POWDERY MILDEW. II. A DIFFERENTIATED SUSCEPTIBILITY OF WINTER WHEAT ZELAZNA VARIETY TO INFECTION 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.

4010-69

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. OCTOBER. (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 (plants).

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.

4016-69

WILD SPECIES AS A SOURCE OF RESISTANCE 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

4017-69

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 staltictiforme, Epidemiology, Fungus diseases (plants), Pinus, Stem rust, Sweetfern blister rust.

4019-69

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

K Verhoeff

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

1968 86 N384

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

4020-69

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

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 AUSTRIA. (GE)

G Vukovits

Pflanzenarzt 20(9):103-106

01 Sep 1967 464.9 P482

Crops, Phytopathology, Plant diseases, Plant pest control.

4022-69

IDENTIFICATION OF RACES OF PSEUDOMONAS 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*.

4023-69

TESTS ON DRY FUMIGATION OF POTATO SEEDLINGS AGAINST RHIZOCTONIA DISEASE. (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 ARCEUTHOBIMUM 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*.

4026-69

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 BY 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.

4028-69

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, Ragimillett, 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.

4030-69

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

B Zwatz

Pflanzenarzt 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, Thiram.

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 CONTROL.

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.

4033-69

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

H Bohm

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

4034-69

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

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

P Carle

Forestier Sci Ann 25(1):25-33

1968 99.9 F845

Forest insects, Matsuococcus 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)

V I Gusic

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

1969 442.8 B5265

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

4036-69

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.

4037-69

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 CALLIRHYTIS QUERCUSSUTTONII (BASSETT)(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 Leaflet (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.

4040-69

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.

4041-69

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. (GE)

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

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

4044-69

SOME IMPORTANT ASPECTS OF COTTON INSECT 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. IV 3(4,Oct-Dec):251-255 1967.

4046-69

INFLUENCE OF SIX COVER CROPS ON POPULATION 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.

4047-69

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.

4048-69

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 NEMATODE IN SEED STOCKS.

4050-69

J M Epps
Plant Dis Rep 53(5):403-405
 May 1969 1.9 P69P
 Heterodera glycines, Plant nematodes, Seeds,
 Soybeans.

4050-69

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.

4051-69

A NOTE ON THE NEMATOCIDAL PROPERTIES OF 'SEVIN'.

D W Fenwick
Trop Agr & Aust 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 MELOIDOGYNE 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.

4053-69

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.

4054-69

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.

4057-69

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-3-chloropropane, 1,2-, Nematocides, Plant nematodes, Tylenchulus semipenetrans.

4058-69

HOST RESISTANCE REFLECTED IN DIFFERENTIAL NEMATODE POPULATION STRUCTURES.

D R Viglierchio N A Croll
Science 161(3838):271-272
 19 Jul 1968 470 SCI2
 Alfalfa, Ditylenchus dipsaci, Onions, Plant nematode resistance, Plant nematodes, Population, Red clover.

WEEDS

4059-69

NOW CAN YOU SPOT THOSE WEEDS.

Anonymous
Good Farming 19(2):28-29
 Mar 1968 7 G59
 Agropyron repens, Asclepias syriaca, Avena fatua, Cirsium arvense, Convolvulus arvensis, Equisetum arvense, Illustrations, Linaria vulgaris, Weeds.

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 rice.

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 ECOLOGY.

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-.

4063-69

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 diserbio in Floricoltura e nei settori affini* 16-17 Sep 1965; Turin, Italy, pages 53-62.

4064-69

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.

4065-69

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 ciliaris, Herbicides, Tobacco.

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

4066-69

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.

4068-69

CONTROL OF OROBANCHE UNDER NATURAL AND ARTIFICIALLY 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.

4069-69

AUTUMN WEED CONTROL FOR CONTINUOUS 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.

4070-69

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.

4071-69

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.

4072-69

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

Great Brit Min Agr Fish Food Adv Leaflet (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 Leaflet (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.

4074-69

PERENNIAL BINDWEEDS.

Great Brit Min Agr Fish Food Adv Leaflet (450):4P
Sep 1967 10 G79LA

Asparagus, Chemical control (weeds), Convolvulus, Currants, D, 2,4-, Grain, Methyl-4-chlorophenoxybutyric acid, 4-(2-, Methyl-4-chlorophenoxyacetic acid, 2-, Perennial plants, Phenoxy acid compounds, Polygonum convolvulus, Potatoes, Tillage, Turf.

4075-69

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 puriflora, Portulaca oleracea, cyperus rotundus, and Amaranthus viridis.

4076-69

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 compounds.

4077-69

BRUSH CONTROL THROUGH SHREDDING.

B Nelson
Cattleman 55(10):40,41,82,84,85
Mar 1969 49 C29
Brush control, Equipment, Tractors.

4078-69

FOAMING AGENTS AS GROUND COVER AGAINST WEEDS. (GE)

H Neururer
Pflanzenarzt 20(4):37-38
01 Apr 1967 464.9 P482
Plastics, Weed control.

4079-69

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 ECOLOGY.

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-.

4081-69

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 INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 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, To-

matoes. Czech and Russian summaries. discussion of many weeds and herbicides.

4082-69

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.

4083-69

DISTRIBUTION, IMPORTANCE AND PROBLEMS OF HERBICIDE USE IN YUGOSLAVIA. IN: COLLECTION OF REPORTS GIVEN AT THE INTERNATIONAL HERBICIDE CONFERENCE, PRAGUE, JUNE 21-24, 1966. (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 BRUSH PAYS DIVIDENDS.

S Toepfich
Cattleman 55(10):46,56
Mar 1969 49 C29
Aerial spraying, Brush control, Costs, Farm management, Quercus stellata.

4085-69

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. (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.

4086-69

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 Csongrády
117-120
1966 SB951.U8

Ametryne, Atrazine, Chemical control (weeds), Grape vineyards, Paraquat, Prometryne, Simazine, Triazine, Weeds. Czech and Russian summaries.

4087-69

CHEMICAL WEED CONTROL IN SUNFLOWER 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.

4088-69

CHEMICAL WEED CONTROL PROBLEMS IN OUTDOOR VEGETABLE GROWING. (DU)

J Verlaet
Neth Dir Tuinbouw Mededel 31(617,JUN-JUL):252-256
1968 86 N384
Chemical control (weeds), Plant physiology, Vegetables, Weeds. English summary.

4089-69

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.

4090-69

HARMLESSNESS OF HERBICIDES FOR THE BIOCENOSIS. IN: COLLECTION OF REPORTS GIVEN 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.

4091-69

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.

4093-69

PHILIPPINE FIELD RATS AND THEIR CONTROL.

J P Sumangil
Philippine Farms Gardens 5(9):4-5
Sep 1968 25 P5323
Biological control (pests), Chemical control (pests), Poisoning, Rats.

LIVESTOCK PROTECTION

4094-69

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.

4095-69

ESTROGENIC ACTIVITY OF O,P'-DDT IN THE MAMMALIAN UTERUS AND AVIAN 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.

4096-69

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.

4097-69

INTERACTION OF ANTIMYCIN A AND ROTENONE IN FISH BIOASSAYS.

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.

4099-69

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.

4100-69

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, Chlorotetracycline, Food additives, Nitrovin. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4102-69

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. (ABSTRACT).

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.

4106-69

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 insemination, Reproduction, Reserpine, Turkeys.

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

4108-69

HEMAGGLUTININS INDUCED IN CHICKENS WITH MYCOPLASMA GALLISEPTICUM INFECTION. (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

4109-69

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.

4110-69

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).

4111-69

INHERITED RESISTANCE TO SULFAQUINOXALINE TOXICITY IN THE CHICKEN. (ABSTRACT).

J A Arthur
Poultry Sci 47(5):1652-1653
Sep 1968 47.8 AM33P
Animal genetics, Chickens, Drugs, Immunity, Poultry diseases, Red water disease, Sulfaquinolaxaline, Symptomatology. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4112-69

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.

4113-69

INTESTINAL 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 Toranzo 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.

4116-69

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 Bettinotti
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.

4117-69

COMPARISON OF ATTENUATED LIVE PASTEURILLA MULTOCIDA GIVEN IN DRINKING WATER TO AN OIL-BASE BACTERIN ADMINISTERED TO TURKEYS. (ABSTRACT).

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.

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 Wochensh 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.

4120-69

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.

4121-69

SPONTANEOUS TUMORS OF THE BRAIN IN RATS: A REPORT OF 3 CASES.

G T A M 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.

4123-69

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.

4124-69

VIRULENCE, ADSORBABILITY, AND ANTIGENICITY 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.

4125-69

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. EPIDIDYMITIS OF THE RAM (BRUCELLA OVIS). THE UTILIZATION OF A NEW ANTIGEN FOR THE COMPLEMENT FIXATION TEST AND INTRADERMAL REACTION. (SP)

V C F Cedro H O Cisale L M E de Benedetti
Argent Repub Inst Nac Zoonosis Ser Tec (N 5)(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

4127-69

LEPTOSPIROSIS IN ARGENTINA. DIFFUSION, MORBIDITY AND NOSOLOGICAL MAP. (SP)

V C F Cedro R A Cacchione M J Bulgini E S Martinez
Argent Repub Inst Nac Zoonosis Ser Tec (N 5)(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.

4128-69

PENETRATION AND DEVELOPMENT OF EIMERIA MAXIMA SPOROZOITES AND THE STATIC EFFECT OF DECOQUINATE. (ABSTRACT).

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. (ABSTRACT).

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

4130-69

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.

4131-69

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 summaries.

4133-69

INVESTIGATION OF SOME ENZY-MATIC ACTIVITIES (GOT, GPT, ALDOLASE, LDH, LDP, SDH) IN THE LIQUID AMNIO-ALLANTOIDS OF HEALTHY CHICK EMBRYOS OR THOSE INFECTED WITH NEWCASTLE DISEASE VIRUS. (IT)

M Compagnucci E Biondi A Vaccaro
Acta Med Vet 13(5/6,SEP-DEC):303-319 REF
1967 41.8 AC84

Amniotic fluid, Chick embryos, Enzymes, Newcastle disease, Poultry diseases, Virus diseases (animals). English and French summaries.

4134-69

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.

4137-69

A CASE OF BILATERAL POLYCYSTIC KID-NEYS 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.

4138-69

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.

4139-69

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.

4141-69

HYGIENE AND ANIMAL DISEASES IN DEUX-SEVRES (REGION OF COULONGES-SUR-L'AUTIZE). (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.

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.

4143-69

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.

4144-69

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.

4145-69

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.

4146-69

CALF FATTENING TRIALS WITH ORAL ADMINISTRATION OF ABDELIN ACID, AUREOMYCIN AND CHLORAMPHENICOL, UNDER CONTROLLED ENVIRONMENTAL CONDITIONS. (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.

4147-69

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 PARASITOSSES. (GE)

K Enigk P Hilbrich

Deut Tierarztl Wochensh 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.

4149-69

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.

4150-69

ALLERGY TESTS AND FALSE REACTIONS IN THE PREVENTION OF BOVINE TUBERCULOSIS. (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.

4151-69

EFFECT OF METHIONINE ON A GROWTH DEPRESSION INDUCED BY SUPPLEMENTING A CORN-SOYBEAN MEAL DIET WITH LYSINE.

E E Gardiner E W Aguda

Poultry Sci 47(5):1631-1632

Sep 1968 47.8 AM33P

Animal nutrition, Animal physiology, Diet, Food additives, Lysine, Methionine, Soybean meal.

4152-69

KALE ANAEMIA IN RUMINANTS. I. SURVEY OF THE LITERATURE AND EXPERIMENTAL INDUCTION OF KALE ANAEMIA IN LACTATING COWS.

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.

4153-69

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 sarcoma virus, Virus diseases (animals). Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4154-69

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.

4155-69

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.

4156-69

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.

4157-69

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.

4158-69

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.

4160-69

ORAL THERAPY OF DIABETES MELLITUS IN DOGS WITH GLYCODIAZIN. (GE)

K Jeddicke

Deut Tierarztl Wochensh 75(19):482-483

01 Oct 1968 41.8 D482

Animal diseases, Diabetes, Dogs, Drug therapy, Erythromycin, Pancreas. English summary.

4161-69

RELATIONSHIP OF BIOTIN TO LEG WEAKNESS 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.

4162-69

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, Decoquinat, Eimeria, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

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, Decoquinat, Drug therapy, Eimeria, Poultry diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4164-69

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).

4165-69

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.

4166-69

POLYVALENT PARAINFLUENZA CF ANTIGEN 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.

4168-69**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).

4169-69**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.

4170-69**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
REF
1968 449.9 W892B

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 sacculitis, 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.

4172-69**TOWARDS THE ERADICATION OF 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.

4174-69**NICARBAZIN. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.**

H L Ley
Fed Regist 34(71):6495
15 Apr 1969 L1.451

Chickens, Coccidiosis, Dosage, Drug therapy, Drugs, Nicarbazine, Poultry diseases, Regulations, Veterinary medicine.

4175-69**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.

4176-69**SPOHN'S UDDER AID. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.**

H L Ley
Fed Regist 34(34,PT 1):2366
19 Feb 1969 L1.451

Dairy cattle, Dosage, Drugs, Livestock diseases, Udders, Veterinary medicine.

4177-69**DEXTRAN 6 PERCENT W/V IN SALINE (PLASMA VOLUME EXPANDER). DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.**

H L Ley
Fed Regist 34(66):6260
08 Apr 1969 L1.451

Animals, Blood plasma, Dextran, Dosage, Drugs, Veterinary medicine.

4178-69**SULFISOXAZOLE. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.**

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.**

H L Ley
Fed Regist 34(66):6259-6260
08 Apr 1969 L1.451

Dosage, Drugs, Formulations, Nystatin, Veterinary medicine.

4180-69**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.

4182-69**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 COMPATIBILITY 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.

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.

4187-69**GROWTH DEPRESSING EFFECT OF EXCESS LEUCINE IN RELATION TO THE AMINO ACID COMPOSITION OF THE DIET. (ABSTRACT).**

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.

4188-69**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.

4190-69**EFFECT OF PHYTATE ON THE APPARENT CALCIUM REQUIREMENTS OF CHICKS. (ABSTRACT).**

J J McGillivray 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.

4191-69

THE EPIZOOTIOLOGICAL IMPORTANCE OF FOOT-AND-MOUTH DISEASE CARRIERS. II. THE CARRIER STATUS OF CATTLE EXPOSED TO FOOT-AND-MOUTH DISEASE FOLLOWING VACCINATION WITH AN OIL ADJUVANT INACTIVATED VIRUS VACCINE.

J W McVicar P Suttmoller

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.

4193-69

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 Association.

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 RUMINANTS. (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 summary.

4196-69

ANTICOCCIDIAL ACTIVITY OF SULFADIMETHOXINE POTENTIATED MIXTURE (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 MIXTURE (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 MYCOPLASMA MELEAGRIDIS IN TURKEYS. (ABSTRACT).

Y S Mohamed E H Bohl

Poultry Sci 47(5):1697-1698

Sep 1968 47.8 AM33P

Agglutination test, 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.

4199-69

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.

4200-69

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.

4201-69

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 Association.

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.

4203-69

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.

4208-69

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.

4209-69

A CONTRIBUTION TO THE PROPHYLACTIC USE OF GAMMATONIN IN CALVES. (GE)

J Oetjen

Hanover Tierarztl Hochsch Inang Diss (38):35P

REF

1967 41.2 H198

Biuret test, Calves, Electrophoresis, Gamma globulins, Injections, Livestock diseases.

4210-69

COBALT AND VITAMIN C FOR CHICKS. (ABSTRACT).

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 Association.

4211-69

OBSERVATIONS ON SEPTICEMIA OF CATTLE CAUSED BY A HAEMOPHILUS-LIKE ORGANISM.

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.

4212-69

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.

4213-69

LYMPHOEPITHELIAL TISSUES OF THE INTESTINE AND DIFFERENTIATION OF ANTIBODY PRODUCTION.

D Y E Pery Cooper R A Good

- Science* 161(3838):265-266 REF
19 Jul 1968 470 SC12
Animal physiology, Antibodies, Brucella abortus, Epithelium, Intestines, Liver, Lymph nodes, Rabbits, Tissues.
- 4214-69**
FIELD SIGNIFICANCE OF MYCOPLASMA MELEAGRIDIS INFECTION. (ABSTRACT).
I 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 Association.
- 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 PERFORMANCE 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.
- 4217-69**
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).
- 4218-69**
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, AND 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.
- 4220-69**
USE OF CHICKS TO MEASURE AVAILABILITY OF IRON. (ABSTRACT).
T Roberts J W Boehne J C Fritz
Poultry Sci 47(5):1711
Sep 1968 47.8 AM33P
Animal nutrition, Chickens, Ethylenediaminetetraacetic acid, Iron. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.
- 4221-69**
SPECIFICITY OF THE CHICK'S REQUIREMENT 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.
- 4222-69**
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 Association.
- 4223-69**
INFLUENCE ON EGG QUANTITY AND QUALITY WITH SORGHUM GRAIN DIETS SUPPLEMENTED WITH CORN OIL AND/OR FURAZOLIDONE. (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.
- 4224-69**
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.
- 4225-69**
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. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.
- 4226-69**
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 rodenticides could be the origin of trichinosis epizootics in pigs.
- 4228-69**
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 INVESTIGATIONS 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.
- 4230-69**
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).
- 4231-69**
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.
- 4232-69**
HETEROLOGOUS IMMUNITY IN AVIAN HOSTS INFECTED WITH PLASMODIUM RELICTUM 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.
- 4234-69**
IMBALANCED LYSINE FEEDS FOR STARTING 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.
- 4235-69**
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.
- 4236-69**
THE NATURAL OCCURRENCE OF SURRA IN THE AFRICAN LONGHAIR FOX. (IT)
R Sobrero
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.

4237-69
THE IMPORTANCE OF BRUCELLOSIS INFECTION 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
EFFECT 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, Iodophors, Poultry diseases, Salmonella typhimurium, Storage diseases. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4239-69
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, Phosphotungstic acid, Virology, Virus diseases (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 44.8 J82

Aerobacter aerogenes, Biochemistry, Malic acid, Metabolism, Mutation, Salmonella typhimurium.

4241-69
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.

4242-69
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).

4243-69
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, Salmonellosis.

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.

4245-69
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 therapy, Feed, Heterakis gallinae, Histomonas meleagridis, Poultry diseases, Ronidazole, Turkeys, Water. Abstract of paper presented at the 57th Annual Meeting of the Poultry Science Association.

4246-69
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.

4247-69
OPTIMUM DESTRUCTION OF RACHITOGENIC ACTIVITY OF C-1 PROTEIN. (ABSTRACT).

O J Thompson C W Carlson I 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.

4248-69
DETERMINATION OF THE VIRULENCE OF THE MYCOBACTERIUM TUBERCULOSIS BY THE FLUORESCENCE METHOD. (SP)

L B Toranzos H E Laffont V G Aucar J A Benitez
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.

4250-69
EFFECT OF PROLONGED INFECTION BY INTESTINAL 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.

4251-69
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, Intestines, Parasitism, Poultry diseases, Proteins, 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 46.8 B542

Cotton, Wilt. English summary.

4253-69
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 Association.

4254-69
INVESTIGATIONS ON THE OCCURRENCE OF BOVINE LEUKOSIS IN THE COUNTY OF OLDENBURG, 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 diseases.

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.

4256-69
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

Anemia, Animal genetics, Chickens, Hematology, Hereditary diseases, Poultry diseases.

4257-69
EFFECT OF ENVIRONMENTAL TEMPERATURE ON IRON DEFICIENCY ANEMIA IN ATHENS-CANADIAN RANDBRED 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. (ABSTRACT).

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.

4259-69
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.

ARTHROPODS

- 4260-69
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.
- 4262-69
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.
- 4263-69
PERSISTENCE OF MYCOPLASMA MELEAGRIDIS IN THE GENITALIA OF EXPERIMENTALLY INFECTED TURKEYS. (ABSTRACT).
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 Association.
- 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, Paracolonobacterium 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 PSEUDORABIES (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.
- 4267-69
TICKS OF THE NATIONAL REACTOR TESTING 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.
- 4268-69
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, ENCOUNTERED 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, Nematodes, Oesophagostomiasis, Oesophagostomum radiatum. English and French summaries.
- 4270-69
MINIMUM TIME FOR DEVELOPMENT AND LIFE SPAN OF METACERCARIAE. (GE)
J Donges
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 unfavourable periods by remaining in the intermediate host.
- 4271-69
FLAPHOSTRONGYLUS CERVI CAMERON, 1931 IN THE CENTRAL NERVOUS SYSTEM OF RED DEER (CERVUS ELAPHUS).
I Dykova
Folia Parasitol 16(1):74
1969 436.8 C33
Animal histology, Central nervous system, Deer, Epizootic diseases, Histopathology, Nematodes.
- 4272-69
EFFICACY OF SEVERAL DRUGS FOR CONTROL OF POULTRY NEMATODES. (ABSTRACT).
S A Edgar
Poultry Sci 47(5):1668
Sep 1968 47.8 AM33P
Ascariidia galli, Capillaria obsignata, Dispharynx nasuta, Drug therapy, Heterakis gallinarum, Hydroxynaphthalimide diethyl phosphate, N-, Meldane, 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 OCCURRENCE OF THELACIAEPATHOGENS OF AN ENZOOTIC EYE DISEASE IN CATTLE IN THE GERMAN DEMOCRATIC REPUBLIC. (GE)
T Hiepe I 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.
- 4274-69
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. COUMAPHOS.
J K Kirk
Fed Regist 34(84):7237-7238
02 May 1969 L1.451
Beef cattle, Coumaphos, Dairy cattle, Feed, Food additives, Gastrointestinal system, Parasitism.
- 4275-69
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.
- 4276-69
EXPERIMENTS ON THE LOSS OF DICTYOCAULUS FILARIA FROM THE LUNGS OF INFECTED SHEEP. II. THE DEMONSTRATION OF WORMS IN THE BRONCHIAL SPARE MUCUS.
J F Michel
Folia Parasitol 16(1):57-65
1969 436.8 C33
Dictyocaulus filaria, Lungs, Nematodes, Sheep.
- 4277-69
AN ATTEMPT TO ELIMINATE THE PRINCIPAL PARASITIC NEMATODES OF DOGS BY USING A NEW PHOSPHORIC ESTER. (FR)
M Pitois
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 MAN.
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 IN SHEEP.
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.
- 4280-69
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)
H Wetzel
Hanover Tierarztl Hochsch Inang Diss (48):54P REF
1967 41.2 H198

LIVESTOCK PROTECTION

4282-69

Animal nutrition, Calves, Epizootic diseases, Feces, Gastrointestinal system, Helminths, Livestock diseases. English and Russian summaries.

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, Toxocara.

COMMODITY PROTECTION

4283-69

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.

4285-69

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

4286-69

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.

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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 POLLUTION.

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, Tolerances. English summary.

4292-69

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.

4293-69

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 34(66):6261

08 Apr 1969 L1.451

Chromatography, Dimethoate, Insecticide residues, Pecans, Tolerances.

4294-69

O-ISOPROPOXYPHENOL METHYL CARBAMATE. 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 COMMODITIES. DICAMBA.

J K Kirk

Fed Regist 34(66):6239

08 Apr 1969 L1.451

Dicamba, Grasses, Hay, Herbicide residues, Herbicides, Ranges, Tolerances.

4296-69

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.

4297-69

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.

J K Kirk

Fed Regist 34(80):6976-6977

26 Apr 1969 L1.451

Buquinolate, Chickens, Eggs, Food additives, Insecticide residues, Tissues.

4298-69

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.

4299-69

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.

4302-69

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.

4303-69

CURRENT STATUS OF METHODS FOR IDENTIFYING PESTICIDES, A SURVEY. (JP RS 32,031) TRANSL. 15608.

I K Tsitovich

34P REF

16 Sep 1965

Methodology, Organic compounds, Organophosphorus compounds, Pesticide residues, Poisons, Quantitative analysis, Surveys. Translation from *Zhurnal analiticheskoy khimii* 20(7):875-888. Issued by CFSTI.

4304-69

ORGANIC PHOSPHATE POISONING OF 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

Diagnosis, Food contamination, Organophosphorus 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.

4307-69

DIGITALIN METABOLISM IN CARDIAC INSUFFICIENCY 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.

4309-69

PROCEEDINGS OF THE AMERICAN COLLEGE OF VETERINARY TOXICOLOGISTS, 1967.

Amer Coll Vet Toxicol Proc 18P
1967 391.9 AM3

Arsenic compounds, Horses, Lungs, Organic compounds, Poisonous plants, Swine, Toxicology, Veterinary medicine.

4310-69

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.

4311-69

CONTRIBUTION TO THE STUDY OF HYDROGEN SULFIDE POISONING OF DOMESTIC ANIMALS. (FR)

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.

4312-69

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)

J F Pierret
Alfort Ecole Nat Vet These (79):44 P REF
1967 41.2 AL23

Animal nutrition, Animal physiology, Antibiotics, Dosage, Feed additives, Metabolism, Minerals.

4314-69

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.

4315-69

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 TOXICOLOGY. (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.

4317-69

EVALUATION OF COTTONSEED SOAPSTOCKS 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 SC12

Gibberellins, Plant biochemistry, Plant hormones, Plant physiology, Plant regulators.

4320-69

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.

4322-69

THE EFFECTS OF INCREASING MOLYBDENUM 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.

4323-69

STEROID ALKALOIDS AS COMPOUNDS PRODUCED BY POTATO TUBERS UNDER STRESS.

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 PARTHENO-CARPY 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.

4325-69

NEW ANTHERIDIUM FROM THE FERN ONOCLEA SENSIBILIS.

U Naf J Sullivan M Cummins
Science 163(3873):1357-1358 REF
21 Mar 1969 470 SC12

Chromatography, Onoclea sensibilis, Plant biochemistry, Plant hormones, Pteridium aquilinum.

4326-69

PLANT INJURY BY AIR POLLUTANTS: INFLUENCE 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 SC12

Air pollution, Humidity, Kidney beans, Ozone, Plant biochemistry, Plant injuries, Tobacco.

4327-69

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

4328-69

Aerial spraying, Helicopters, Maleic hydrazide, Methodology, Onions, Plant growth inhibitors.

4328-69

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, Symptomatology.

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.

4330-69

STABILITY OF TAXONOMIC CHARACTERS IN CULTURES OF DIPLODIA AND RELATED GENERA AS INFLUENCED BY VARIOUS CARBON 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.

4331-69

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 HORTICULTURE.

S H Wittwer
Hortscience 3(3,AUTUMN):163-167 REF
1968 SB1.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 R Olivieri
Tetrahedron Lett (27):3175-3178
May 1968 385 T29
Antibiotics, Aspergillus flavipes, Bactericides, Chromatography, Fungi, Mass spectra.

4335-69

PROSPANILIC 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

HALOBENZYL CARBAMATES. PATENT 3,442,892.

J J D'Amico
Us Patent Office Offic Gaz 861(1):236
06 May 1969 156.65 OF2
Carbamates, Herbicides, Patents.

4337-69

PROCESS FOR THE PRODUCTION OF SUBSTITUTED TRIAZINES. PATENT 3,428,636.

E Grigat R Putter
Us Patent Office Offic Gaz 859(3):921
18 Feb 1969 156.65 OF2
Chemical control (weeds), Chemistry, Herbicides, Patents, Processing, Triazines.

4338-69

EMULSIFIERS FOR AGRICULTURAL PESTICIDES. PATENT 3,442,818.

K L Johnson
Us Patent Office Offic Gaz 861(1):225
06 May 1969 156.65 OF2
Alcohols, Emulsifying agents, Patents, Pesticides, Phenols.

4339-69

MOLECULAR ORDER OF PARTICIPATION OF INHIBITORS (OR ACTIVATORS) IN BIOLOGICAL SYSTEMS.

R B Loftfield E A Eigner
Science 164(3877):305-308 REF
18 Apr 1969 470 SCI2
Biochemistry, Biology, Hemoglobin, Inhibitors, Molecules, Oxygen.

4340-69

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.

4343-69

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.

4346-69

FOREIGN QUARANTINE NOTICES. NURSERY STOCK, PLANTS, AND SEEDS. IMPORTATION.

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 GERMANY. (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 Effects of calcium levels in pullet developers. (Abstract).
- 4193 The threonine requirement of the pullet and adult hen. (Abstract).
- 4199 Dietary amino acids and muscular dystrophy. (Abstract).
- 4203 Effect of ascorbic acid withdrawal on interior egg quality. (Abstract).
- 4204 Studies on the sodium requirements of chicks. (Abstract).
- 4205 Amino acids Versus protein in low protein cage-layer diets. abstract.
- 4206 Amino acids and isonitrogenous turkey starter diets. (Abstract).
- 4207 Cobalt and vitamin C for chicks. (Abstract).
- 4210 The effect of added energy on induced *Mycoplasma gallisepticum* infection in broilers. (Abstract).
- 4212 Cottonseed meal, lysine, and methionine for layers. (Abstract).
- 4219 Use of chicks to measure availability of iron. (Abstract).
- 4220 Specificity of the chick's requirement for choline. (Abstract).
- 4221 Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract).
- 4223 Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract).
- 4224 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 The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract).
- 4246 Optimum destruction of rachitogenic activity of C-1 protein. (Abstract).
- 4247 Low lysine diets for rearing replacement pullets. (Abstract).
- 4249 Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract).
- 4250 Essential amino acid levels for starting poults. (Abstract).
- 4255 Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks.
- 4257 Strontium metabolism in hens. (Abstract).
- 4258 Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract).
- 4261 Milk fever in the dog.
- 4262 Lysine levels on chick growth and nitrogen utilization. (Abstract).
- 4264 Studies on the epizootology of gastrointestinal helminths in calves.
- 4281 The influence of antibiotics on mineral metabolism.
- 4313 Zinc toxicity and vitamin D for chicks. (Abstract).
- 4314 Evaluation of cottonseed soapstocks in broiler diets. (Abstract).
- 4317
- ANIMAL PHYSIOLOGY**
- Electrifying agriculture and horticulture. 3921
- Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095
- Payzone nitrovin-A new growth promoter for poultry. (Abstract). 4101
- Influence of protamone on bone fragility of caged hens. (Abstract). 4103
- The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract). 4104
- Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates. 4120
- Aflatoxin studies with White Rock chickens. (Abstract). 4135
- Effect of energy-protein balance, energy intake and methionine on growth and body composition of ducklings. (Abstract). 4140
- Factors related to immunity of chickens to coccidiosis. (Abstract). 4145
- Effect of methionine on a growth depression induced by supplementing a corn-soybean meal diet with lysine. 4151
- Growth depressing effect of excess leucine in relation to the amino acid composition of the diet. (Abstract). 4187
- Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190
- Effects of calcium levels in pullet developers. (Abstract). 4193
- The threonine requirement of the pullet and adult hen. (Abstract). 4199
- Amino acids and isonitrogenous turkey starter diets. (Abstract). 4207
- Cobalt and vitamin C for chicks. (Abstract). 4210
- Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213
- Fumigation and reuse of broiler litter. (Abstract). 4222
- Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract). 4224
- Lysine requirement of the growing chick. (Abstract). 4233
- Imbalanced lysine feeds for starting or growing chicks. 4234
- Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828). 4241
- Effects of excess amino acids on growth of chicks fed amino acid deficient diets. (Abstract). 4244
- Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245
- The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract). 4246
- Low lysine diets for rearing replacement pullets. (Abstract). 4249
- Essential amino acid levels for starting poults. (Abstract). 4255
- Lysine levels on chick growth and nitrogen utilization. (Abstract). 4264
- Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*). 4310
- The influence of antibiotics on mineral metabolism. 4313
- ANIMAL VECTORS**
- Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170
- The epizootiological importance of foot-and-mouth disease carriers. II. The carrier status of cattle exposed to foot-and-mouth disease following vaccination with an oil adjuvant inactivated virus vaccine. 4191
- ANIMALS**
- Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090
- Dextran 6 percent W/V in saline (plasma volume expander). Drugs for veterinary use; drug efficacy study implementation. 4177
- Regulating the shipment of living pests, pathogens and vectors. 4345
- ANNUAL PLANTS**
- Weeds mean waste Know your weeds and how to control them. 4066
- 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. 4085
- ANOPHELES**
- Food sources of some mosquito species in the natural focus of Tahyna virus in southern Moravia. 3854
- ANOPHELES ALBIMANUS**
- Comparative studies of the development of *Plasmodium cynomolgi bastianellii* in *Anopheles stephensi* and *A. albimanus*. 3860
- ANOPHELES FREEBORNI**
- Changes in the composition of lipids and fatty acids in adult *Culex tarsalis* and *Anopheles freeborni* during the overwintering period. 3871
- ANOPHELES QUADRIMACULATUS**
- Infection experiments with a fungus (*Coelomomyces*) which kills malarial mosquitoes. (abstract). 3812

SUBJECT INDEX

ANOPHELES STEPHENSI

ANOPHELES STEPHENSI

Comparative studies of the development of *Plasmodium cynomolgi bastianellii* in *Anopheles stephensi* and *A. albimanus*.

3860

ANTHELMINTICS

An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester.

4277

Further studies on the anthelmintic activity of 1-tetramisole against gastro-intestinal helminths in sheep.

4279

ANTHRACNOSE

Supplement to the Plant Protection bulletin.

3923

ANTIBIOTICS

Microbes and chemicals against plant pests.

3919

Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination.

3985

Emtryl and antibiotics for turkey breeders. (Abstract).

4112

Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates.

4120

Contribution to the study of bovine mastitis due to fungi.

4125

Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements.

4301

The influence of antibiotics on mineral metabolism.

4313

A new antibiotic produced by a strain of *Aspergillus flavipes*.

4334

ANTIBODIES

Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary.

4167

The use of serologic methods for the control of *Mycoplasma meleagridis* in turkeys. (Abstract).

4198

Lymphoepithelial tissues of the intestine and differentiation of antibody production.

4213

ANTICOAGULANTS

The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract).

4130

ANTIDOTES

British poisonous plants.

4308

ANTIGENS

Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic relationships and cellular affinities.

4116

Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorption with homogenized mouse kidney.

4124

Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction.

4126

Polyvalent parainfluenza CF antigen for serodiagnosis.

4166

An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections.

4183

Heterologous immunity in avian hosts infected with *Plasmodium relictum* and *Plasmodium lophurae*.

4232

ANTIMYCIN A

Interaction of antimycin A and rotenone in fish bioassays.

4097

ANTISEPTICS

Disinfection in parasitoses.

4148

ANTONINA BOUTELOUAE

A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae).

3757

ANTONINA DAKOTENSIS

A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae).

3757

APATANIA

New data on the biology of caddisflies (Trichoptera, Limnephilidae, Apataniinae) of Lake Baikal. I. Life span and mass flight of adults.

3851

APERA SPICA-VENTI

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 International Herbicide Conference, Prague, June 21-24, 1966.

4081

APHIDIDAE

Community studies on Hymenoptera found on *Brassica napus* L. Part III. Braconidae and Aphidiidae.

3853

Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae).

3876

Problem insects in 1967 - how to control them in 1968.

3891

Insect control for garden vegetables.

3916

Transmission of the virus component of the ragi (*Eleusine coracana*) disease-complex in Mysore, India.

4028

Aphids and virus in north Canterbury wheat, 1965-66 season.

4040

Insecticide granules and virus in autumn-sown wheat.

4041

The appearance of beet aphids in 1966.

4042

APHIDIUS

Significance of the parasite *Aphidius ervi* Haliday (Braconidae, Hymenoptera) in controlling the density of population of *Acyrtosiphon pisum* Harris.

3839

APHOLATE

Effects of apholate on the bionomics of *Musca domestica* *nebulosa* Fabr.

3866

APICULTURE

New ways for organizing the cooperation between plant protection services and apiculturists.

3929

APIDAE

Photoperiodism in the honey bee, *Apis mellifera* L. (Hymenoptera, Apidae).

3809

Some biological notes on *Bombus ignitus* Smith with special reference to the nest structure (Hym. Apidae).

3834

APIS MELLIFERA

Photoperiodism in the honey bee, *Apis mellifera* L. (Hymenoptera, Apidae).

3809

Honeybees: Do they use direction and distance information provided by their dancers.

3889

APPLES

Is it possible to predict apple moth infestations.

3868

This may be the year for spray thinning.

3917

Supplement to the Plant Protection bulletin.

3923

Fruit disease problems and new approaches to their controls.

3975

A transmissible fruit-depression disease of McIntosh apples.

3991

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone.

4298

Gibberellin-induced asymmetric growth of apple fruits.

4318

Chemical injury on Golden Delicious apples treated with diphenylamine.

4328

AQUATIC INSECTS

The colonization of Lake Constance with Chironomidae.

3765

Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps.

3766

On the determination of age structure of the larvae of Tendipedidae (Diptera).

3813

Occurrence of the species *Trichocladus trifascia* Edwards (Chironomidae, Diptera) in the Danube.

3816

New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata).

3820

AQUATIC WEEDS

Chemical weed control in irrigation channels and drains.

4061

ARABIS

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* Hort.

3959

ARBOVIRUSES

Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary.

4167

ARCEUTHOBIMUM

Susceptibility of coastal form and central Montana Douglas-fir to *Arceuthobium douglasii*.

4025

ARGAS PERSICUS

Investigations on the development of *Aegyptianella pullorum* Carpano, 1928, in the soft tick *Argas (Persicargas) persicus* (Oken, 1818) by means of fluorescent antibodies.

3822

ARGYROGRAMMA ALBOSTRIATA

Hereditary nature of the two forms of *Argyrogramma albostriata* (Bremer and Grey) (Noc-tuidae, Plusiinae).

3898

ARSENIC COMPOUNDS

Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees.

3803

Comparative toxicology of organic and inorganic arsenicals in swine.

4306

SUBJECT INDEX

BACTERIAL DISEASES (PLANTS)

- Proceedings of the American College of Veterinary Toxicologists, 1967. 4309
- ARTHROPODA**
What the practitioner should know about arthropods. 3740
- ARTIFICIAL INSEMINATION**
The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106
- ASCARIASIS**
Toxocariasis in man and animals. 4282
- ASCARIDIA GALLI**
Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
- ASCARIS**
Disinfection in parasitoses. 4148
Fish as observed hosts of Ascarids--their significance in regard to man's health. 4275
- ASCARIS LUMBRICOIDES**
Toxocariasis in man and animals. 4282
- ASCELEPIAS SYRIACA**
Now can you spot those weeds. 4059
- ASCORBIC ACID**
Effect of ascorbic acid withdrawal on interior egg quality. (Abstract). 4204
Cobalt and vitamin C for chicks. (Abstract). 4210
- ASPARAGUS**
Perennial bindweeds. 4074
- ASPERGILLUS FLAVIPES**
A new antibiotic produced by a strain of *Aspergillus flavipes*. 4334
- ASPERGILLUS FLAVUS**
Biology of the fungus *Aspergillus flavus* Link and its infectivity to plants and animals. 3973
- ASPIDIOTUS HEDERAE**
The oleander scale, *Pseudaulacaspis pentagona* (Targ.), (Homoptera, Coccidae) in Bermuda. 4043
- ASPIDIOTUS PERNICIOSUS**
The San Jose scale a pest of ornamental shrubs. 4033
- ASTRAGALUS**
Locoweed toxicity in horses. 4312
- ATRAZINE**
Maize dwarf mosaic--Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield. 3954
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
Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083
Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086
- ATTRACTANTS**
Study on attractant of the rice stem borer, *Chilo suppressalis* Walker. 3835
- AVENA FATUA**
Now can you spot those weeds. 4059
Further test of the control of *Avena fatua* in sugar beets. 4079
- AVIAN LYMPHOMATOSIS**
Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Abstract). 4129
Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147
Egg transmission studies of Type II leukosis infection (Marek's disease). 4230
The levels of Type II infection (Marek's disease) in 8-week-old chickens processed at dressing plants. (Abstract). 4231
A study of carcasses condemned for skin leukosis. (Abstract). 4284
- BABESIA**
An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections. 4183
- BABY PIGS**
Epithelial changes in porcine exudative epidermitis; the light-microscopical picture. 4208
- BACILLUS**
Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk. 4288
- BACITRACIN METHYLENEDISALICYLIC ACID**
Notice of filing of petition for food additives. 4143
- BACTERIA**
Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799
Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. 3856
The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014
Enumeration of bacteria on poultry carcass skin. (Abstract). 4094
Irradiation treatment on wiener sausage with gamma-ray. 4285
- BACTERIAL BLIGHT**
Survey, screening, and breeding for bacterial blight resistance in cotton. 3952
- BACTERIAL DISEASES (ANIMALS)**
Hemagglutinins induced in chickens with *Mycoplasma gallisepticum* infection. (Abstract). 4108
Comparison of attenuated live *Pasteurella multocida* given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117
Experimental control *Mycoplasma meleagridis* in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118
Leptospirosis in Argentina. Diffusion, morbidity and nosological map. 4127
Penetration and development of *Eimeria maxima* sporozoites and the static effect of decoquinat. (Abstract). 4128
The interaction of a nonpathogenic *Mycoplasma* sp. (TU) with *Mycoplasma gallisepticum*, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134
Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170
Control of *Mycoplasma meleagridis* infection in turkeys. (Abstract). 4171
Towards the eradication of bovine tuberculosis. 4172
Sulfisoxazole. Drugs for veterinary use; drug efficacy study implementation. 4178
Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180
Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). 4185
Investigations on *Coccidia* in zoo ruminants. 4195
Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). 4197
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
Fumigation and reuse of broiler litter. (Abstract). 4222
Shell quality effect on *Salmonella* penetration. (Abstract). 4225
The importance of brucellosis infection in regard to human health. 4237
Effect of an iodophor on shelf life of poultry. (Abstract). 4238
A contribution to the salmonellosis of cattle and its therapy. 4243
Determination of the virulence of the *Mycobacterium tuberculosis* by the fluorescence method. 4248
Role of the cuticle in egg spoilage. (Abstract). 4253
Persistence of *Mycoplasma meleagridis* in the genitalia of experimentally infected turkeys. (Abstract). 4263
Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
Salmonella organisms in poultry feeds. (Abstract). 4289
- BACTERIAL DISEASES (PLANTS)**
The training course of the European Plant Protection Organization in England. 3914
Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933
Survey, screening, and breeding for bacterial blight resistance in cotton. 3952
Fruit disease problems and new approaches to their controls. 3975

SUBJECT INDEX

BACTERICIDES

- Contribution to the study of oligosporic Actinomycetes. I. Description of a new species of Actinobifida: Actinobifida alba sp. nov. and revision of the genus. **3980**
- Aglaonema pictum, a new host of Erwinia chrysanthemi. **3982**
- Studies on crown gall bacteria, Agrobacterium tumefaciens Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases. **3990**
- Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967. **3996**
- Detectable levels of Xanthomonas malvacearu in cotton gin debris with the seed-soak method. **4002**
- Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tissues. **4008**
- Wild species as a source of resistance to diseases. **4016**
- Identification of races of Pseudomonas phaseolicola from Quebec bean fields. **4022**
- Why is the disinfection treatment of corn seeds absolutely necessary. **4030**
- BACTERICIDES**
- Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. **3856**
- Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). **4185**
- Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). **4197**
- A new antibiotic produced by a strain of Aspergillus flavipes. **4334**
- Prospanilic acid derivatives. Patent 3,442,938. **4335**
- BACTERINS**
- Comparison of attenuated live Pasteurella multocida given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). **4117**
- BACTERIOLOGY**
- Studies on crown gall bacteria, Agrobacterium tumefaciens Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases. **3990**
- Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tissues. **4008**
- Towards the eradication op bovine tuberculosis. **4172**
- Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. **4260**
- BALANSIA ORYZAE**
- Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. **4020**
- BANANAS**
- Nematodes associated with bananas in the Windward Islands. **4048**
- BARLEY**
- Virulence of various groups of loose smut of barley, (Ustilago nuda (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to re-

- sistance. I. Spreading of pathogene in host plant tissue. **3978**
- O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for pesticide chemical. **4294**
- BARYPENTHUS CLAUDENS**
- Studies of neotropical caddis flies. VIII: The immature stages of Barypenthus claudens (Trichoptera: Odontoceridae). **3818**
- BEANS**
- Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought about by induced pigment formation. **3867**
- Supplement to the Plant Protection bulletin. **3923**
- Stem and root diseases of beans. **3941**
- Plant pathology field day. **3949**
- Identification of races of Pseudomonas phaseolicola from Quebec bean fields. **4022**
- Corn earworm threatens snapbeans. **4031**
- BEDDING (LIVESTOCK)**
- Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Abstract). **4129**
- Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). **4216**
- Fumigation and reuse of broiler litter. (Abstract). **4222**
- BEEF CATTLE**
- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Coumaphos. **4274**
- DDT residues in beef cows fed apple pomace. **4302**
- BEES**
- Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. **3803**
- BEETS**
- The appearance of beet aphids in 1966. **4042**
- Damages done to beet seeds by the forest mouse (Apodemus sylvaticus). **4092**
- BELOSTOMATIDAE**
- Temperature and circadian control of cuticle growth on the bug, Oncopectus fasciatus. **3814**
- BEMBECIA PECTINATA**
- Bembecia pectinata Stgr. and its first stages. (Lepidoptera, Sesiidae). **3873**
- BENEFICIAL BIRDS**
- On the value of our birds. **3927**
- BENEFICIAL INSECTS**
- Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. **3803**
- New ways for organizing the cooperation between plant protection services and apiculturists. **3929**
- BENEFIN**
- Controlling weeds in tobacco with benefin. **4065**
- BENOMYL**
- Chemical control of stripe smut in Merion Kentucky bluegrass. **3964**

- Resistance to benomyl in powdery mildew of cucurbits. **4003**
- An unexpected effect of benomyl on two gladiolus varieties. **4321**
- BENSULIDE**
- Chemical control of annual bluegrass as related to vertical mowing. **4091**
- BIBIONIDAE**
- A new species of Penthetria from Japan (Diptera, Bibionidae). **3769**
- BIBLIOGRAPHY**
- British poisonous plants. **4308**
- BIOCENOSIS**
- Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. **4090**
- BIOCHEMISTRY**
- Juvenile hormone: Activity of aromatic terpenoid ethers. **3805**
- Insect control for garden vegetables. **3916**
- Contribution to the study of oligosporic Actinomycetes. I. Description of a new species of Actinobifida: Actinobifida alba sp. nov. and revision of the genus. **3980**
- Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. **4095**
- Interaction of antimycin A and rotenone in fish bioassays. **4097**
- Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens. **4105**
- Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum. **4132**
- Purification, ultrastructure, and composition of axial filaments from Leptospira. **4188**
- Contribution to the study of the treatment of bovine ketosis. **4200**
- Oxidation of D-malic and beta-alkylmalic acids by wild-type and mutant strains of Salmonella typhimurium and by Aerobacter aerogenes. **4240**
- Strontium metabolism in hens. (Abstract). **4258**
- Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). **4261**
- Effects of heptachlor and nicotine on the barbels of a catfish (Heteropneustes fossilis). **4310**
- Molecular order of participation of inhibitors (or activators) in biological systems. **4339**
- BIOLOGICAL ASSAY**
- Studies on sex pheromones of Pyralididae. Changes in the quality of the sex pheromone in the female almond moth, Cadra cautella Walker (Phycitinae). **3841**
- A note on the nematocidal properties of 'Sevin'. **4051**
- Interaction of antimycin A and rotenone in fish bioassays. **4097**
- Lysine requirement of the growing chick. (Abstract). **4233**

BIOLOGICAL CONTROL (INSECTS)

Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera). 3802

Infection experiments with a fungus (*Coelomomyces*) which kills malarial mosquitoes. (abstract). 3812

Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity. 3819

The use of attractants in pest control. 2. Sex attractants. 3848

Effects of apholate on the bionomics of *Musca domestica* *nebulosa* Fabr. 3866

The present state of research and of the control of rice pests. 3924

The oleander scale, *Pseudaulacaspis pentagona* (Targ.), (Homoptera, Coccidae) in Bermuda. 4043

BIOLOGICAL CONTROL (PESTS)

Microbes and chemicals against plant pests. 3919

Philippine field rats and their control. 4093

BIOLOGICAL TRANSPORT

Salt and water transport by the in vitro cockroach midgut. 3870

BIOLOGY

Biology of the fungus *Aspergillus flavus* Link and its infectivity to plants and animals. 3973

Molecular order of participation of inhibitors (or activators) in biological systems. 4339

The role of systematics in biology. 4344

BIOMETRY

The natural occurrence of *surra* in the African longhaired fox. 4236

BIOTIN

Relationship of biotin to leg weakness in turkeys. (Abstract). 4161

BIRD PESTS

The present state of research and of the control of rice pests. 3924

On the value of our birds. 3927

BIRDS

Contributions to the knowledge of Analgesoidea of Czechoslovakia. 3743

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. 4139

The animal adenoviruses. 4217

BIURET TEST

A contribution to the prophylactic use of Gammatonin in calves. 4209

BLABERUS DISCOIDALIS

Effects of long-term cardiectomy-allatectomy on mitochondrial respiration in the cockroach, *Blaberus discoidalis*. 3836

BLABERUS GIGANTEUS

The effect of various biogenic amines on the activity of the foregut of the cockroach, *Blaberus giganteus*. 3811

BLACKBERRIES

The forage plants of *Rhagades pruni* Schiff. 3828

BLACKGRASS

Autumn weed control for continuous cereal growers. 4069

BLACKHEAD

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245

BLATTELLA GERMANICA

Notes on the chromosomes of two species of cockroaches. 3904

BLATTIDAE

Notes on the chromosomes of two species of cockroaches. 3904

BLIGHT

Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934

A flower blight of chrysanthemum in South Florida. 3955

BLOOD

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. 3886

Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood. 4305

BLOOD CELLS

Phagocytic haemocytes in unfixed *Galleria mellonella* larvae. 3890

BLOOD MEAL

The amino acid deficiencies of blood meal for the chick. 4149

BLOOD PLASMA

C-type viral particles in plasma of cats with feline leukemia. 4164

Dextran 6 percent W/V in saline (plasma volume expander). Drugs for veterinary use; drug efficacy study implementation. 4177

BLOOD PROTEINS

The conjugated plasma proteins in adult females 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. 3828

Growth regulator survey for activity in inducing parthenocarp in the highbush blueberry. 4324

BOMBUS IGNITUS

Some biological notes on *Bombus ignitus* Smith with special reference to the nest structure (Hym. Apidae). 3834

BOMBYX MORI

Structure and development of the imaginal wing discs of larva in a holometabolous insect, *Bombyx mori* (Lepidoptera, Bombycidae). 3806

Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, *Bombyx mori*. 3875

Effect of rearing condition on growth and development of the silkworm, *Bombyx mori* L., on artificial diet. II. 3882

BONE DISEASES

The pathology of avian osteodystrophy. (Abstract). 4136

BONES

Influence of protamone on bone fragility of caged hens. (Abstract). 4103

BOTRYOSPHERIA

Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330

BOTRYTIS CINEREA

Possibilities for *Botrytis cinerea* control, especially in tomatoes. 4019

The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029

BOUTELOUA GRACILIS

A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae). 3757

BOUTELOUA HIRSUTA

A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae). 3757

BRACHIARIA PIGLIGERA

Controlling weeds in tobacco with benefin. 4065

BRACONIDAE

On the status of Cresson's *Stenophasmus* species from Cuba (Hymenoptera: Braconidae: Doryctinae). 3759

Community studies on Hymenoptera found on *Brassica napus* L. Part III. Braconidae and Aphidiidae. 3853

Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3876

BRAIN

Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843

The hyperglycaemic activity of the corpus allatum in an insect. 3877

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 virus. 3960

BROWN ROT

Fruit disease problems and new approaches to their controls. 3975

Brown rot control in Southern California. 4015

BRUCELLA ABORTUS

Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213

SUBJECT INDEX

BRUCELLA MELITENSIS

The importance of brucellosis infection in regard to human health. 4237

BRUCELLA MELITENSIS

The importance of brucellosis infection in regard to human health. 4237

BRUCELLA OVIS

Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction. 4126

BRUCELLA SUIIS

The importance of brucellosis infection in regard to human health. 4237

BRUCELLOSIS

Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction. 4126

A survey of *Brucella* infection of cattle in Kenya. A comparison of four serological tests for the diagnosis of infection. 4202

The importance of brucellosis infection in regard to human health. 4237

Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260

BRUCHIDAE

A new species on neotropical seed weevil affecting pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae). 3756

Distribution of seed beetles (Coleoptera, Bruchidae) in the forest-steppe zone of the Eastern Ukraine. 3869

BRUCHUS RUFIMANUS

Studies on the adult diapause of the broad bean weevil, *Bruchus rufimanus*. 3830

BRUSH CONTROL

Brush control through shredding. 4077

Spraying post oak brush pays dividends. 4084

Herbicides in the perspectives of 20 months and 20 years. 4089

BUFFALOES

A study of oesophagostomiasis, encountered in young buffaloes of Casertano. 4269

BUGGY WHIP

Buggy-whip of corn and its relation to the incidence of common smut. 4017

BUQUINOLATE

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. 4098

Buquinolate-A review. 4218

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. 4297

BUTTERFLIES

Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski. 3758

CABBAGE

Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967. 3996

The in vitro establishment of pith calluses and nodal tumors of *Brassica oleracea*. 4004

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 International Herbicide Conference, Prague, June 21-24, 1966. 4081

CACODYLIC ACID

Defoliation effects on forest ecology. 4080

CADRA CAUTELLA

Studies on sex pheromones of Pyralidae. Changes in the quality of the sex pheromone in the female almond moth, *Cadra cautella* Walker (Phycitinae). 3841

Studies on sex pheromones of pyralidae. II. Mass rearing of virgin females of the almond moth, *Cadra cautella* Walker (Phycitinae). 3880

CALCIUM

Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815

Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933

Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974

Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190

Effects of calcium levels in pullet developers. (Abstract). 4193

CALCIUM CHLORIDE

Milk fever in the dog. 4262

CALCIUM GLUCONATE

Milk fever in the dog. 4262

CALCIUM OXALATE

Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria* testacea. 3881

CALLIPHORA

Fundamental properties of intensity, form, and motion perception in the visual nervous systems of *Calliphora*, *phaenicia* and *Musca domestica*. 3849

CALLIPHORA VICINA

Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843

CALLIRHYTIS QUERCUSSUTTONII

The alternate generation of *Callirhytis quercus-suttonii* (Bassett) (Hymenoptera: Cynipoidea). 4038

CALVES

Adipose tissue in calves and lambs. 4107

Calf fattening trials with oral administration of abdelin acid, aureomycin and chloramphenicol, under controlled environmental conditions. 4146

A contribution to the prophylactic use of Gammatonin in calves. 4209

Studies on the epizootology of gastrointestinal helminths in calves. 4281

CAMELS

The natural occurrence of surra in the African longhaired fox. 4236

CANCER

Avian virus-induced tumors. 4242

CANDIDA

Contribution to the study of bovine mastitis due to fungi. 4125

CANKER

Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934

Discovery and distribution of *Fusicoccum* canker of Russian olive in Illinois. 3950

Live oak in Mississippi infected by *Endothia parasitica*. 3992

CAPILLARIA OBSIGNATA

Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272

CAPTAN

Fungus diseases of cotton seedlings in Egypt. 3972

The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329

CARABIDAE

The larva of *Carabus* (*Hygrocarabus* Thoms.) *variolosus variolosus* Fabr. and its position in the larval system of genus *Carabus* L. (Coleoptera, carabidae). 3753

Remarks on fluctuations in density of Carabidae populations. 3824

Description of the larva of *Parena* (*Parena*) *perforata* (Bates), with some notes on its life history (Carabidae). 3825

CARABUNIA MYERSI

Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera). 3802

CARABUS

The larva of *Carabus* (*Hygrocarabus* Thoms.) *variolosus variolosus* Fabr. and its position in the larval system of genus *Carabus* L. (Coleoptera, carabidae). 3753

CARBAMATES

Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. 3803

A flower blight of chrysanthemum in South Florida. 3955

Corn earworm threatens snapbeans. 4031

A note on the nematocidal properties of 'Sevin'. 4051

New herbicides for controlling weeds in upland rice. 4076

Some remarks on plant protection preparation-tolerances. 4292

Halobenzyl carbamates. Patent 3,442,892. 4336

CARBARYL

Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. 3803

Insect control for garden vegetables. 3916

Corn earworm threatens snapbeans. 4031

A note on the nematocidal properties of 'Sevin'. 4051

Some remarks on plant protection preparation-tolerances. 4292

CARBOHYDRATES

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.

3886

Incorporation of palmitate-1-C14 into lipids of the blowfly during flight.

3892

Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates.

4120

CARBON COMPOUNDS

Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract).

4330

CARBON DISULFIDE

Disinfection in parasitoses.

4148

CARBON ISOTOPES

Incorporation of palmitate-1-C14 into lipids of the blowfly during flight.

3892

CARBOXYLESTERASE

Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists.

3859

CARCASSES

Effect of an iodophor on shelf life of poultry. (Abstract).

4238

A study of carcasses condemned for skin leucosis. (Abstract).

4284

CARPOCAPSA POMONELLA

Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity.

3819

Is it possible to predict apple moth infestations.

3868

Supplement to the Plant Protection bulletin.

3923

CASTORBEANS

Resistance of dwarf-internode castor (*Ricinus communis*) to *Verticillium* wilt.

3946

CATALOGS

To the fauna of ixodid ticks of Mongolia.

3744

Catalog of the Coleoptera of Angola.

3747

The entomology of the Isle of Rhum National Nature Reserve.

3775

Mallophaga of domestic chickens from Cuba.

4268

CATERPILLARS

The forage plants of *Rhagades pruni* Schiff.

3828

CATFISH

Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*).

4310

CATS

A case of bilateral polycystic kidneys in a cat.

4137

A meningioma in a cat associated with erosion of the skull.

4154

C-type viral particles in plasma of cats with feline leukemia.

4164

Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation.

4180

CATTLE

Insects and mites of livestock and in farm buildings.

3792

Notice of filing of petition for food additive ronnel.

4096

Enterotoxaemia of calves evoked by *Clostridium perfringens* type B.

4114

Tests on laboratory animals and on tubercular cows in order to determine the value of the moruato cupric colloidal (gadusan) in the intradermal reaction.

4115

Contribution to the study of bovine mastitis due to fungi.

4125

Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize).

4141

Notice of filing of petition for food additive diethylstilbestrol.

4142

Allergy tests and false reactions in the prevention of bovine tuberculosis.

4150

Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows.

4152

Towards the eradication of bovine tuberculosis.

4172

Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation.

4173

Sodium propionate. Drugs for veterinary use; drug efficacy study implementation.

4175

Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations.

4186

The epizootiological importance of foot-and-mouth disease carriers. II. The carrier status of cattle exposed to foot-and-mouth disease following vaccination with an oil adjuvant inactivated virus vaccine.

4191

The mycotic abortions in the cow.

4194

Contribution to the study of the treatment of bovine ketosis.

4200

A survey of *Brucella* infection of cattle in Kenya. A comparison of four serological tests for the diagnosis of infection.

4202

Observations on septicemia of cattle caused by a *Haemophilus*-like organism.

4211

The animal adenoviruses.

4217

A contribution to the salmonellosis of cattle and its therapy.

4243

Investigations on the occurrence of bovine leukosis in the county of Oldenburg, including the city of Delmenhorst and the metropolitan area of Oldenburg.

4254

Brief communication on the occurrence of thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic.

4273

CAULIFLOWER

Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967.

3996

CECIDOMYIIDAE

A new genus and two new species of Cecidomyiidae associated with *Pariana* spp. (Gramineae) in South America (Diptera).

3749

CELL DIVISION

Studies on crown gall bacteria, *Agrobacterium tumefaciens* Conn II. Electron microscopic ob-

servation 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.

3990

CELL WALL

Light and electron microscope investigations on the formation of the oocyst wall in *Eimeria* species (*Eimeria perforans*, *E. stiedae*, and *E. tenella*).

4229

CELLS

Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*.

3821

Control systems in insect development. (abstract).

3872

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.

3800

Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (*Cervus elaphus*).

4271

CEPHALOSPORIUM

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.

3957

CERATOPOGONIDAE

Biting midges of the genus *Culicoides* Mg. (Diptera, Ceratopogonidae) from the Valley of the Middle Reaches of the Desna.

3874

CERCOPIDAE

Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera).

3802

CEROPLASTES JAPONICUS

Microterys clauseni Compere (Hym.: Encyrtidae).

3796

CEROPLASTES PSEUDOCERIFERUS

Microterys clauseni Compere (Hym.: Encyrtidae).

3796

CHALCIDOIDEA

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 PARIANA

A new genus and two new species of Cecidomyiidae associated with *Pariana* spp. (Gramineae) in South America (Diptera).

3749

CHELATION

Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens.

4105

Effect of phytate on the apparent calcium requirements of chicks. (Abstract).

4190

SUBJECT INDEX

CHEMICAL CONTROL (ANIMAL DISEASES)

CHEMICAL CONTROL (ANIMAL DISEASES)
Fumigation and reuse of broiler litter. (Abstract). 4222

CHEMICAL CONTROL (INSECTS)

Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid. 3826

Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850

The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijijima. Studies on the control of forest pests. V. 3857

Effects of apholate on the bionomics of *Musca domestica* *nebulosa* Fabr. 3866

Mexican fruit containment. 3879

Problem insects in 1967 - how to control them in 1968. 3891

Disease and insect control in home orchards. 3983

Corn earworm threatens snapbeans. 4031

The peach twig borer and its control. 4032

The San Jose scale a pest of ornamental shrubs. 4033

Bloodworms--pests of rice. 4037

The alternate generation of *Callirhytis quercus-suttonii* (Bassett)(Hymenoptera: Cynipoidea). 4038

Raspberry moth. 4039

Some important aspects of cotton insect control. 4044

CHEMICAL CONTROL (NEMATODES)

Virus diseases and the selection of grapes. 3937

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-3-chloropropane in Taiwan. 4057

Further studies on the anthelmintic activity of I-tetramisole against gastro-intestinal helminths in sheep. 4279

CHEMICAL CONTROL (PESTS)

Controlling household pests. 3790

Insects and mites of livestock and in farm buildings. 3792

Insect control for garden vegetables. 3916

Microbes and chemicals against plant pests. 3919

The present state of research and of the control of rice pests. 3924

Damages done to beet seeds by the forest mouse (*Apodemus sylvaticus*). 4092

Philippine field rats and their control. 4093

Pesticidal uses of thiosubstituted phenols. Patent 3,443,012. 4341

What you should know about concentrate spraying. 4342

CHEMICAL CONTROL (PLANT DISEASES)

The importance of applied entomology for Austrian plant protection. 3926

Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930

Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931

Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932

Stem and root diseases of beans. 3941

Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield. 3954

A flower blight of chrysanthemum in South Florida. 3955

Diseases and parasites of the rose. 3956

Low temperature sprays for Dutch elm disease control. 3957

Prevention of the spread of non-persistent plant viruses by oil spraying. 3963

Chemical control of stripe smut in Merion Kentucky bluegrass. 3964

Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. 3967

Fungus diseases of cotton seedlings in Egypt. 3972

Disease and insect control in home orchards. 3983

New chemicals look good for weed control in Michigan orchards. 3994

Resistance to benomyl in powdery mildew of cucurbits. 4003

Field evaluation of some fungicides for control of leaf and stem rusts of wheat. 4006

Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010

Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011

Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012

Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013

Brown rot control in Southern California. 4015

Tests on dry fumigation of potato seedlings against *Rhizoctonia* disease. 4023

Experiences with residue research in lettuce. 4291

An unexpected effect of benomyl on two gladiolus varieties. 4321

CHEMICAL CONTROL (WEEDS)

Further research on the control of *Echinochloa* in rice fields. 4060

Chemical weed control in irrigation channels and drains. 4061

Defoliation effects on forest ecology. 4062

The development of chemical weed control in ornamental plants in fields. 4063

The lasting influence of triazines and the effect of herbicide mixtures in the treatment of corn. In: Collection of reports given at the Interna-

tional Herbicide Conference, Prague, June 21-24, 1966. 4064

Controlling weeds in tobacco with benefin. 4065

Weed control in fruits and nuts. 4070

Weed control in vegetables. 4071

Corn marigold (goldings, yellow oxeye, yellow bottle). 4072

Ragwort. 4073

Perennial bindweeds. 4074

Chemical weed control in potato (*Solanum tuberosum* L.). A review. 4075

New herbicides for controlling weeds in upland rice. 4076

Further test of the control of *Avena fatua* in sugar beets. 4079

Defoliation effects on forest ecology. 4080

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 International Herbicide Conference, Prague, June 21-24, 1966. 4081

Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083

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. 4085

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 in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087

Chemical weed control problems in outdoor vegetable growing. 4088

Herbicides in the perspectives of 20 months and 20 years. 4089

Chemical control of annual bluegrass as related to vertical mowing. 4091

Process for the production of substituted triazines. Patent 3,428,636. 4337

The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method. 4343

Chemical weed control in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087

Chemical weed control in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087

Chemical weed control problems in outdoor vegetable growing. 4088

Herbicides in the perspectives of 20 months and 20 years. 4089

Chemical control of annual bluegrass as related to vertical mowing. 4091

Process for the production of substituted triazines. Patent 3,428,636. 4337

The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method. 4343

CHEMICALS
Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity. 3819

Study on attractant of the rice stem borer, *Chilo suppressalis* Walker. 3835

New chemicals look good for weed control in Michigan orchards. 3994

Effect of storage on cottonseed and cottonseed products. 4283

CHEMISTRY

Controlling insects and other pests with phosphonothioates. Patent 3,428,655. **3850**
 Process for the production of substituted triazines. Patent 3,428,636. **4337**

CHEMORECEPTORS

Specificity of population-aggregating pheromones in *Dendroctonus*. **3863**

CHEMOSTERILANTS

Effects of apholate on the bionomics of *Musca domestica* *nebulosa* Fabr. **3866**

CHERRIES

Fruit disease problems and new approaches to their controls. **3975**

CHICK EMBRYOS

Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic relationships and cellular affinities. **4116**

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**

Egg transmission studies of Type II leukosis infection (Marek's disease). **4230**

CHICKEN TYPES (MEAT)

Reduction of shelf-life of fresh fryers due to infection with *Escherichia coli* prior to processing. **4287**

CHICKENS

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. **4098**

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. **4100**

Payzone nitrovin-A new growth promoter for poultry. (Abstract). **4101**

Influence of protamone on bone fragility of caged hens. (Abstract). **4103**

The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract). **4104**

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). **4131**

Aflatoxin studies with White Rock chickens. (Abstract). **4135**

Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets. **4139**

Notice of filing of petition for food additives. **4143**

Dietary magnesium requirement of the laying hen. (Abstract). **4155**

Sulfur amino acid requirement of laying hens. (Abstract). **4156**

Activity of decoquinate against field strains of chicken coccidia. (Abstract). **4162**

Pathogenesis of infectious synovitis in gnotobiotic chickens. (Abstract). **4165**

Effect of nitrofurazone and furazolidone on reproduction in chickens. **4169**

Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. **4174**

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). **4185**

Growth depressing effect of excess leucine in relation to the amino acid composition of the diet. (Abstract). **4187**

The linoleic acid requirement of the hen for reproduction. (Abstract). **4192**

Effects of calcium levels in pullet developers. (Abstract). **4193**

Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. **4196**

The threonine requirement of the pullet and adult hen. (Abstract). **4199**

Dietary amino acids and muscular dystrophy. (Abstract). **4203**

Effect of ascorbic acid withdrawal on interior egg quality. (Abstract). **4204**

Studies on the sodium requirements of chicks. (Abstract). **4205**

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) in 8-week-old chickens processed at dressing plants. (Abstract). **4231**

Heterologous immunity in avian hosts infected with *Plasmodium relictum* and *Plasmodium lophurae*. **4232**

Avian virus-induced tumors. **4242**

The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract). **4246**

Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). **4247**

Low lysine diets for rearing replacement pullets. (Abstract). **4249**

Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). **4250**

Essential amino acid levels for starting poult. (Abstract). **4255**

Hematology of an inherited anemia in the domestic fowl. **4256**

Strontium metabolism in hens. (Abstract). **4258**

Mallophaga of domestic chickens from Cuba. **4268**

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. **4297**

Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements. **4301**

Evaluation of cottonseed soapstocks in broiler diets. (Abstract). **4317**

CHICKS

Intestinal histology of vitamin A deficient chicks. (Abstract). **4113**

Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates. **4120**

The amino acid deficiencies of blood meal for the chick. **4149**

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 deficiency anemia in Athens-Canadian random-bred chicks. **4257**

SUBJECT INDEX

- CHILO SUPPRESSALIS**
 Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261
 Lysine levels on chick growth and nitrogen utilization. (Abstract). 4264
 Zinc toxicity and vitamin D for chicks. (Abstract). 4314
- CHILO SUPPRESSALIS**
 Study on attractant of the rice stem borer, *Chilo suppressalis* Walker. 3835
- CHILOPODA**
 On ocular regeneration in *Lithobius forficatus* L. (Myriopoda Chilopoda). 3832
- CHIRONOMIDAE**
 The colonization of Lake Constance with Chironomidae. 3765
 Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. 3766
- CHIRONOMUS**
 Bloodworms--pests of rice. 4037
- CHLORAMPHENICOL**
 Calf fattening trials with oral administration of abdelin acid, aureomycin and chloramphenicol, under controlled environmental conditions. 4146
 A contribution to the salmonellosis of cattle and its therapy. 4243
- CHLORINATED HYDROCARBONS**
 Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. 3803
 The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijijima. Studies on the control of forest pests. V. 3857
 Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867
 Low temperature sprays for Dutch elm disease control. 3957
 Chemical control of stripe smut in Merion Kentucky bluegrass. 3964
 Fungus diseases of cotton seedlings in Egypt. 3972
 Damages done to beet seeds by the forest mouse (*Apodemus sylvaticus*). 4092
 Some remarks on plant protection preparation-tolerances. 4292
 Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299
 Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*). 4310
 The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329
- CHLORINE**
 Effect of an iodophor on shelf life of poultry. (Abstract). 4238
- CHLOROPHENOXY-ALPHA-PROPIONAMIDE, 3-**
 Current status on chemical thinning of peaches and pears in Michigan. 3913
- CHLOROPHENOXY-ALPHA-PROPIONIC ACID, 3-**
 Current status on chemical thinning of peaches and pears in Michigan. 3913
- CHLOROPIDAE**
 Larval feeding habits of certain Chloropidae (Diptera). 3885
- CHLORTETRACYCLINE**
 Payzone nitrovin-A new growth promoter for poultry. (Abstract). 4101
 Calf fattening trials with oral administration of abdelin acid, aureomycin and chloramphenicol, under controlled environmental conditions. 4146
- CHOLESTEROL**
 Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261
- CHOLINE**
 Specificity of the chick's requirement for choline. (Abstract). 4221
- CHROMATOGRAPHY**
 The hyperglycaemic activity of the corpus allatum in an insect. 3877
 Lipids of *Drosophila*: A newly detected lipid in the male. 3895
 Notice of filing of petition regarding pesticide chemicals. 4293
 Steroid alkaloids as compounds produced by potato tubers under stress. 4323
 New antheridiogen from the fern *Onoclea sensibilis*. 4325
 A new antibiotic produced by a strain of *Aspergillus flavipes*. 4334
- CHROMOSOMES**
 Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*. 3821
 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893
 Salivary gland chromosome variation in the *Drosophila affinis* subgroup. II. Comparison of C-chromosome patterns in *D. athabasca* and five related species. 3899
 Chromosomes of the cereal leaf beetle. 3900
 Endomitosis in the mealy bug, *Planococcus citri* (Homoptera: Coccoidea). 3901
 Mutation rates and mortalities after X-irradiation of the early development stages of *Drosophila melanogaster*. 3902
 Notes on the chromosomes of two species of cockroaches. 3904
 Relative viability of heterozygotes and homozygotes with respect to the irradiated chromosome in *Drosophila melanogaster*. 3906
- CHRYSANTHEMUM**
 A flower blight of chrysanthemum in South Florida. 3955
- CHRYSOLAMPUS ANOBII**
 New Perilampidae (Hymenoptera: Chalcidoidea). 3742
- CHRYSOMELIDAE**
 Notes on the Chrysomelidae from Taiwan I. 3755
- Leaf beetle larvae of the subfamily Eumolpinae and of *Syneta betulae* F. (Coleoptera, Chrysomelidae). 3840
- CICADELLIDAE**
 Problem insects in 1967 - how to control them in 1968. 3891
- CIRSIIUM ARVENSE**
 Now can you spot those weeds. 4059
- CITRUS**
 Virus diseases survey on citrus in the Black Sea region. 3951
 Melanose of citrus. 3988
 Control of the citrus nematode, *Tylenchulus semipenetrans*, with 1,2-dibromo-3-chloropropane in Taiwan. 4057
- CLADOSPORIUM FULVUM**
 Reaction of tomato varieties against *Alternaria solani* and *Cladosporium fulvum*. 3935
- CLASSIFICATION**
 The role of systematics in biology. 4344
- CLASTOPTERA UNDULATA**
 Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera). 3802
- CLIMATE**
 Climate and the phylogeny and distribution of Tabanidae. 3746
 Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966. 3966
 Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141
- CLOSTRIDIUM PERFRINGENS**
 Enterotoxaemia of calves evoked by *Clostridium perfringens* type B. 4114
- CLOVER**
 Notes on toxicology: The clover. 4122
 The effects of increasing molybdenum rates on building of dry material of clover. 4322
- COBALT**
 Cobalt and vitamin C for chicks. (Abstract). 4210
- COBALT ISOTOPES**
 Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, *Bombyx mori*. 3875
 Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens. 4105
- COCCIDAE**
Microterys clauseni Compere (Hym.: Encyrtidae). 3796
- COCCIDIOSIS**
 Notice of filing of petition for food additives. 4143
 Factors related to immunity of chickens to coccidiosis. (Abstract). 4145
 Disinfection in parasitoses. 4148
 Activity of decoquinat against field strains of chicken coccidia. (Abstract). 4162
 Floor pen evaluations of the anticoccidial effects of decoquinat on single and mixed species of chicken coccidia. (Abstract). 4163

SUBJECT INDEX

- Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. **4174**
- Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). **4185**
- Investigations on Coccidia in zoo ruminants. **4195**
- Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. **4196**
- Buquinolate-A review. **4218**
- Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). **4250**
- Prospanilic acid derivatives. Patent 3,442,938. **4335**
- COCCINELLIDAE**
Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. **3844**
- COCCOIDEA**
A new species of Eriococcus infesting American beach-grass in North Carolina (Homoptera: Coccoidea). **3785**
- Materials to the knowledge of the scale insects fauna of Yugoslavia (Homoptera, Coccoidea). **3786**
- COELOMOMYCES**
Infection experiments with a fungus (Coelomomyces) which kills malarial mosquitoes. (abstract). **3812**
- COENZYME A**
Contribution to the study of the treatment of bovine ketosis. **4200**
- COFFEE**
Mating and oviposition behavior of the coffee leaf miner, *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). **3888**
- Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. **3967**
- COLEOPTERA**
Contribution to the fauna of the Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. XLV. Coleoptera Ochodaeidae. **3745**
- Catalog of the Coleoptera of Angola. **3747**
- A new click beetle of the genus *Agriotes* Esch. (Coleoptera, Elateridae) from Soviet central Asia. **3751**
- Notes on the Chrysomelidae from Taiwan I. **3755**
- A new species on neotropical seed weevil affecting pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae). **3756**
- Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgograd Province. **3795**
- The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. **3845**
- Problem insects in 1967 - how to control them in 1968. **3891**
- COLLEMBOLA**
Collembola fauna of Malta. **3774**
- Morpho-systematic studies on Collembola Part 0i. Materials to a revision of the genus *Lepidocyrtus* Bourlet, 1839 (Entomobryidae s. l.). **3778**
- COMPLEMENT FIXATION**
Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction. **4126**
- Progress of the Soviet virology in foot-and-mouth disease studies. **4181**
- CONFERENCES**
Bulletin of the Entomological Society of America. **3739**
- Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). **4201**
- CONOTRACHELUS NENUPHAR**
Disease and insect control in home orchards. **3983**
- CONVOLVULUS**
Perennial bindweeds. **4074**
- CONVOLVULUS ARVENSIS**
Now can you spot those weeds. **4059**
- COPPER**
Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks. **4257**
- COPPER CARBONATE**
Diseases and parasites of the rose. **3956**
- COPPER OXYCHLORIDE**
Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. **3967**
- COPPER SULFATE**
Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. **3867**
- CORN**
Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield. **3954**
- Distribution and host range of maize dwarf mosaic virus in Virginia. **3998**
- Effects of early 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. **4001**
- Buggy-whip of corn and its relation to the incidence of common smut. **4017**
- Hybrid corn yield reduction by stalk and root rot in Nebraska. **4027**
- Why is the disinfection treatment of corn seeds absolutely necessary. **4030**
- 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**
- CORN OIL**
Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). **4223**
- CORPORA ALLATA**
Physiological and ultrastructural study of the corpora allata of *Locusta migratoria* L. (Orthoptera) in the gregarious phase. **3831**
- Effects of long-term cardiectomy-allatectomy on mitochondrial respiration in the cockroach, *Blaberus discoidalis*. **3836**
- Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. **3843**
- The hyperglycaemic activity of the corpus allatum in an insect. **3877**
- CORPORA CARDIACA**
Effects of long-term cardiectomy-allatectomy on mitochondrial respiration in the cockroach, *Blaberus discoidalis*. **3836**
- CORYNESPORA CASSIICOLA**
A new leaf spot of para rubber (*Hevea brasiliensis*) in Nigeria. **3936**
- COSTS**
Stretch your pest control dollars. **3922**
- Corn marigold (goldings, yellow oxeye, yellow bottle). **4072**
- Spraying post oak brush pays dividends. **4084**
- COTTON**
Resistance of dwarf-internode castor (*Ricinus communis*) to *Verticillium* wilt. **3946**
- Survey, screening, and breeding for bacterial blight resistance in cotton. **3952**
- Fungus diseases of cotton seedlings in Egypt. **3972**
- Detectable levels of *Xanthomonas malvacearu* in cotton gin debris with the seed-soak method. **4002**
- Some important aspects of cotton insect control. **4044**
- Investigations on cotton wilt in Western Turkey. **4252**
- COTTONSEED**
Effect of storage on cottonseed and cottonseed products. **4283**
- Evaluation of cottonseed soapstocks in broiler diets. (Abstract). **4317**
- COTTONSEED MEAL**
Cottonseed meal, lysine, and methionine for layers. (Abstract). **4219**
- COUMAPHOS**
Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Coumaphos. **4274**
- COVER CROPS**
Influence of six cover crops on population density of *Pratylenchus penetrans*. **4046**
- COWPEAS**
Nine varieties of southern peas resistant to the soybean cyst nematode. **4050**
- CRAMBIDAE**
Study on attractant of the rice stem borer, *Chilo suppressalis* Walker. **3835**
- CRAMBINAE**
Studies on the Crambinae (Lepidoptera). Par. 44. New Neotropical genera and species. Preliminary check-list of Neotropical Crambinae. **3741**
- CRONARTIUM COMANDRAE**
Virginia pine, a new host for *Cronartium comandrae*. **3913**
- CRONARTIUM COMPTONIAE**
Occurrence of *Cronartium comptoniae* in the Maritime Provinces. **4118**
- CRONARTIUM STALICTIFORME**
Occurrence of *Cronartium comptoniae* in the Maritime Provinces. **4018**

SUBJECT INDEX

CROP LOSSES

CROP LOSSES

- Crown rust of oats in Canada in 1968. 3958
- Losses from fusarium stem rot caused by *Fusarium roseum*, in production of cuttings of carnation, *Dianthus caryophyllus*. 3969
- Lodging resistance in wheat. II. Identification of superior genetic stocks. 3977
- Leaf rust of wheat in Canada in 1968. 3999
- Brown rot control in Southern California. 4015
- Hybrid corn yield reduction by stalk and root rot in Nebraska. 4027
- The peach twig borer and its control. 4032
- Nematodes are destructive to your plants. 4053

CROP ROTATION

- Crop rotation hygiene in grain cultures. 3912
- Weeds mean waste Know your weeds and how to control them. 4066

CROP VARIETIES

- Reaction of tomato varieties against *Alternaria solani* and *Cladosporium fulvum*. 3935
- Plant pathology field day. 3949
- Additional varieties of *Agrostis palustris* infected by *Ustilago striiformis* var. *agrostidis*. 3968
- Virulence of various groups of loose smut of barley, (*Ustilago nuda* (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978
- A race of *Ustilago tritici* virulent on Thatcher wheat and its derivatives. 3989
- Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts. 3997
- Effects of early 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. 4001
- Wild species as a source of resistance to diseases. 4016
- Influence of six cover crops on population density of *Pratylenchus penetrans*. 4046
- Nine varieties of southern peas resistant to the soybean cyst nematode. 4050
- Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets. 4139
- An unexpected effect of benomyl on two gladiolus varieties. 4321

CROP YIELDS

- Electrifying agriculture and horticulture. 3921
- Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield. 3954
- Micronutrients: The secret of better yields for farmers. 3976
- Effects of early 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. 4001

CROPS

- 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. 3911
- Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930
- Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931
- Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932
- The plant disease observatory of Milan. 3940
- Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010
- Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011
- Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012
- Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013
- Phytopathological problems in Austria. 4021

CROWN GALLS

- Studies on crown gall bacteria, *Agrobacterium tumefaciens* Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases. 3990

CROWN RUST

- Crown rust of oats in Canada in 1968. 3958

CRYPHALUS FULVUS

- The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijima. Studies on the control of forest pests. V. 3857

CRYPTOCOCCUS

- Contribution to the study of bovine mastitis due to fungi. 4125

CTENOPHORA

- A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae). 3847

CTENOPHORA GUTTATA

- A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae). 3847

CUCULLIINAE

- On the identity of '*Dasythorax ogasawarae* Matsumura' (Lepidoptera, Noctuidae, Cuculliinae). 3777

CUCUMBERS

- Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967. 3996
- Resistance to benomyl in powdery mildew of cucurbits. 4003

CULEX

- A contribution to the bionomy of *Culex modestus* Fic. (Diptera, Culicidae) in southern Moravia. 3855

CULEX TARSALIS

- Changes in the composition of lipids and fatty acids in adult *Culex tarsalis* and *Anopheles freeborni* during the overwintering period. 3871

CULICIDAE

- Fauna and ecology of mosquitoes in the southern part of the Moscow district. 3770
- Insect metabolism of photoaldrin and photodieldrin. 3837
- Food sources of some mosquito species in the natural focus of Tahyna virus in southern Moravia. 3854
- 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. 3886

CULICOIDES

- Biting midges of the genus *Culicoides* Mg. (Diptera, Ceratopogonidae) from the Valley of the Middle Reaches of the Desna. 3874

CULTURAL CONTROL (INSECTS)

- Bloodworms--pests of rice. 4037
- Raspberry moth. 4039

CULTURAL CONTROL (PLANT DISEASES)

- Stem and root diseases of beans. 3941

CULTURAL CONTROL (WEEDS)

- Corn marigold (goldings, yellow oxeye, yellow bottle). 4072
- Further test of the control of *Avena fatua* in sugar beets. 4079

CULTURE MEDIA

- Electron microscope examination of ultra-thin sections of *Streptomyces viridochromogenes* for hyphal anastomoses. 3910
- The in vitro establishment of pith calluses and nodal tumors of *Brassica oleracea*. 4004
- Identification of races of *Pseudomonas phaseolicola* from Quebec bean fields. 4022
- Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330

CURCULIONIDAE

- New species of *Hypera* (Coleoptera, Curculionidae) from the Crimean Mountains. 3787

CURRENTS

- Perennial bindweeds. 4074

CURVULARIA

- An unexpected effect of benomyl on two gladiolus varieties. 4321

CUTICLE

- Temperature and circadian control of cuticle growth on the bug, *Oncopeltus fasciatus*. 3814
- Role of the cuticle in egg spoilage. (Abstract). 4253

CYNIPOIDEA

- The alternate generation of *Callirhytis quercus-suttonii* (Bassett) (Hymenoptera: Cynipoidea). 4038

CYSTS

- A case of bilateral polycystic kidneys in a cat. 4137

CYTISUS SCOPARIUS

- Studies on the insect fauna on Scotch broom *Sarothamnus scoparius* (L.) Wimmer. 3784

CYTOGENETICS

- Meiosis in the male of *Puto albicans* (Coccoidea-Homoptera). 3894

SUBJECT INDEX

DIAGNOSIS

- Salivary gland chromosome variation in the *Drosophila affinis* subgroup. II. Comparison of C-chromosome patterns in *D. athabasca* and five related species. 3899
- Chromosomes of the cereal leaf beetle. 3900
- Endomitosis in the mealy bug, *Planococcus citri* (Homoptera: Coccoidea). 3901
- CYTOLOGY**
- Purification, ultrastructure, and composition of axial filaments from *Leptospira*. 4188
- Light and electron microscope investigations on the formation of the oocyst wall in *Eimeria* species (*Eimeria perforans*, *E. stiedae*, and *E. tenella*). 4229
- CYTOPLASM**
- Studies on crown gall bacteria, *Agrobacterium tumefaciens* Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases. 3990
- D, 2,4-**
- Defoliation effects on forest ecology. 4062
- Ragwort. 4073
- Perennial bindweeds. 4074
- Defoliation effects on forest ecology. 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. 4083
- 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. 4085
- Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331
- DAIRY CATTLE**
- Insects and mites of livestock and in farm buildings. 3792
- Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176
- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Coumaphos. 4274
- Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals. 4300
- DAIRY PRODUCTS**
- The importance of brucellosis infection in regard to human health. 4237
- DASYPOLIA LAMA**
- On the identity of '*Dasythorax ogasawarae* Matsumura' (Lepidoptera, Noctuidae, Cucullinae). 3777
- DASYTHORAX OGASAWARAE**
- On the identity of '*Dasythorax ogasawarae* Matsumura' (Lepidoptera, Noctuidae, Cucullinae). 3777
- DDT**
- Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867
- Heterogeneity in the Trinidad DDT-RESISTANT strain and the QS susceptible strain of *Aedes aegypti* L. The isolation of highly resistant and highly susceptible substrains. 3907
- Insect control for garden vegetables. 3916
- Diseases and parasites of the rose. 3956
- Low temperature sprays for Dutch elm disease control. 3957
- Raspberry moth. 4039
- Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095
- Effect of storage on cottonseed and cottonseed products. 4283
- Some remarks on plant protection preparation-tolerances. 4292
- Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals. 4300
- DDT residues in beef cows fed apple pomace. 4302
- DECOQUINATE**
- Penetration and development of *Eimeria maxima* sporozoites and the static effect of decoquinatate. (Abstract). 4128
- Activity of decoquinatate against field strains of chicken coccidia. (Abstract). 4162
- Floor pen evaluations of the anticoccidial effects of decoquinatate on single and mixed species of chicken coccidia. (Abstract). 4163
- DEER**
- Flaphostrogylus cervi* Cameron, 1931 in the central nervous system of red deer (*Cervus elaphus*). 4271
- DEFICIENCY DISEASES**
- Vitamin A deficiency: Effect on retinal structure of the moth, *Manduca sexta*. 3807
- Intestinal histology of vitamin A deficient chicks. (Abstract). 4113
- Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123
- The amino acid deficiencies of blood meal for the chick. 4149
- The efficacy of trans and cis vitamin A. (Abstract). 4158
- Animal food composition. Patent 3,428,457. 4159
- Relationship of biotin to leg weakness in turkeys. (Abstract). 4161
- The linoleic acid requirement of the hen for reproduction. (Abstract). 4192
- Amino acids Versus protein in low protein cage-layer diets. abstract). 4206
- Amino acids and isonitrogenous turkey starter diets. (Abstract). 4207
- Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247
- Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks. 4257
- DEFOLIATION**
- Defoliation effects on forest ecology. 4062
- Defoliation effects on forest ecology. 4080
- DEGRADATION**
- Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
- DEHYDRATION (PHYSIOLOGICAL)**
- The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100
- DEMETON**
- Some remarks on plant protection preparation-tolerances. 4292
- DENDROCTONUS**
- Specificity of population-aggregating pheromones in *Dendroctonus*. 3863
- DERMESTIDAE**
- The palearctic species of *Megatoma* Herbst (Coleoptera, Dermestidae). 3760
- DEUTEROMYCETES**
- Contribution to the study of bovine mastitis due to fungi. 4125
- DEVELOPMENT**
- Investigations on the development of *Aegyptianella pullorum* Carpano, 1928, in the soft tick *Argas (Persicargas) persicus* (Oken, 1818) by means of fluorescent antibodies. 3822
- Minimum time for development and life span of metacercariae. 4270
- DEXTRANS**
- Dextran 6 percent W/V in saline (plasma volume expander). Drugs for veterinary use; drug efficacy study implementation. 4177
- DI-ALLATE**
- Further test of the control of *Avena fatua* in sugar beets. 4079
- The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method. 4343
- DIABETES**
- Oral therapy of diabetes mellitus in dogs with Glycodiazin. 4160
- DIAGNOSIS**
- Phoma exigua* Desm. and its varieties. 3945
- Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024
- Enterotoxaemia of calves evoked by *Clostridium perfringens* type B. 4114
- Allergy tests and false reactions in the prevention of bovine tuberculosis. 4150
- Towards the eradication of bovine tuberculosis. 4172
- Progress of the Soviet virology in foot-and-mouth disease studies. 4181
- An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections. 4183
- The mycotic abortions in the cow. 4194
- Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). 4201
- A survey of *Brucella* infection of cattle in Kenya. A comparison of four serological tests for the diagnosis of infection. 4202
- Electron microscopy as an aid to the rapid identification of animal viruses. 4239

SUBJECT INDEX

DIANTHUS CARYOPHYLLUS

- Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260
- Milk fever in the dog. 4262
- Toxocariasis in man and animals. 4282
- Organic phosphate poisoning of sheep in Skull Valley, Utah. 4304
- British poisonous plants. 4308
- Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316
- DIANTHUS CARYOPHYLLUS**
Losses from fusarium stem rot caused by *Fusarium roseum*, in production of cuttings of carnation, *Dianthus caryophyllus*. 3969
- DIAPORTHE CITRI**
Melanose of citrus. 3988
- DIAZINON**
Insect control for garden vegetables. 3916
- Diseases and parasites of the rose. 3956
- DIBROMO-3-CHLOROPROPANE, 1,2-**
Control of the citrus nematode, *Tylenchulus semipenetrans*, with 1,2-dibromo-3-chloropropane in Taiwan. 4057
- DICAMBA**
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba. 4295
- DICHLORO-2,2-BIS(P-CHLOROPHENYL) ETHYLENE, 1,1-**
Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals. 4300
- DICHLORO-4-NITROANILINE, 2,6-**
Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971
- DICHLOROPHENYL P-NITROPHENYL ETHER, 2,4-**
2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296
- DICHLOROPROPANE DICHLOROPROPENE MIXTURE**
Soil fumigation at Boskoop. 3925
- DICHLORVOS**
An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- DICHOCELES PHALAEODECTES**
Record of the moth ear mite, *Dicrocheles phalaenodectes*, in Ohio (Acarina: Mesostigmata). 3865
- DICTYOCAULUS FILARIA**
Experiments on the loss of *Dictyocaulus filaria* from the lungs of infected sheep. II. The demonstration of worms in the bronchial spare mucus. 4276
- DIEBACK**
Dutch elm disease detected in Alabama. 3947
- Low temperature sprays for Dutch elm disease control. 3957
- DIELDRIN**
Insect metabolism of photoaldrin and photodieldrin. 3837

DIET

- The effect of diet on the physiology of the brown-tail moth, *Euproctis chrysorrhoea* L. (Lepidoptera, Liparidae). 3861
- Emtryl and antibiotics for turkey breeders. (Abstract). 4112
- Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates. 4120
- Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123
- The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract). 4130
- Aflatoxin studies with White Rock chickens. (Abstract). 4135
- Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets. 4139
- Effect of methionine on a growth depression induced by supplementing a corn-soybean meal diet with lysine. 4151
- Dietary magnesium requirement of the laying hen. (Abstract). 4155
- Sulfur amino acid requirement of laying hens. (Abstract). 4156
- Relationship of biotin to leg weakness in turkeys. (Abstract). 4161
- Growth depressing effect of excess leucine in relation to the amino acid composition of the diet. (Abstract). 4187
- Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190
- Effects of calcium levels in pullet developers. (Abstract). 4193
- The threonine requirement of the pullet and adult hen. (Abstract). 4199
- Dietary amino acids and muscular dystrophy. (Abstract). 4203
- Effect of ascorbic acid withdrawal on interior egg quality. (Abstract). 4204
- Studies on the sodium requirements of chicks. (Abstract). 4205
- Amino acids Versus protein in low protein cage-layer diets. abstract). 4206
- Amino acids and isonitrogenous turkey starter diets. (Abstract). 4207
- Cobalt and vitamin C for chicks. (Abstract). 4210
- The effect of added energy on induced *Mycoplasma gallisepticum* infection in broilers. (Abstract). 4212
- Specificity of the chick's requirement for choline. (Abstract). 4221
- Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). 4223
- 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
- The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract). 4246
- Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247
- Low lysine diets for rearing replacement pullets. (Abstract). 4249
- Essential amino acid levels for starting poults. (Abstract). 4255
- Strontium metabolism in hens. (Abstract). 4258
- Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261
- Lysine levels on chick growth and nitrogen utilization. (Abstract). 4264
- Evaluation of cottonseed soapstocks in broiler diets. (Abstract). 4317
- DIETHYLSTILBESTROL**
Notice of filing of petition for food additive diethylstilbestrol. 4142
- DIGITALIN**
Digitalin metabolism in cardiac insufficiency of the dog. 4307
- DIGITALIS PURPUREA**
Digitalin metabolism in cardiac insufficiency of the dog. 4307
- DIGITARIA**
Controlling weeds in tobacco with benefin. 4065
- DIMETHOATE**
Notice of filing of petition regarding pesticide chemicals. 4293
- DINITROCRESOL**
Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. 3803
- DINOCAP**
The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329
- DIPHENYLAMINE**
Chemical injury on Golden Delicious apples treated with diphenylamine. 4328
- DIPLODIA**
Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330
- DIPPING**
Control of *Mycoplasma meleagridis* infection in turkeys. (Abstract). 4171
- The use of serologic methods for the control of *Mycoplasma meleagridis* in turkeys. (Abstract). 4198
- Field significance of *Mycoplasma meleagridis* infection. (Abstract). 4214
- Shell quality effect on *Salmonella* penetration. (Abstract). 4225

- DIPTERA**
 A survey of leaf-miners and their parasites on Laburnum. 3797
 Faunal and ecological study on the families Nycteribidae and Streblidae (Dipt., Pupipara) of the Nangahar Province (Eastern Afghanistan). 3829
 Insect metabolism of photoaldrin and photodieldrin. 3837
 Review of the parasitic Diptera of the genus Eriothrix meigen (Diptera, Tachinidae) in the USSR. 3838
 The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. 3845
 Larval feeding habits of certain Chloropidae (Diptera). 3885
- DISEASE CONTROL**
 Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118
 Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171
 Regulating the shipment of living pests, pathogens and vectors. 4345
- DISEASE TRANSMISSION**
 Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Abstract). 4129
 Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171
 An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections. 4183
 Egg transmission studies of Type II leukosis infection (Marek's disease). 4230
- DISPHARYNX NASUTA**
 Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
- DISULFOTON**
 Fungus diseases of cotton seedlings in Egypt. 3972
- DITHIOCARBAMOYLHYDRAZINE**
 Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828). 4241
- DITYLENCHUS DIPSACI**
 Host resistance reflected in differential nematode population structures. 4058
- DIURNAL RHYTHM**
 Temperature and circadian control of cuticle growth on the bug, Oncopeptus fasciatus. 3814
- DOGS**
 Chronic follicular hypertrophic-hyperplastic gastritis in a dog. 4138
 Notice of filing of petition for food additive nitrodan. 4144
 Oral therapy of diabetes mellitus in dogs with Glycodiazin. 4160
 Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180
 Disseminated geotrichosis in a dog. 4182
 Glycemia in dogs. 4184
- Investigations concerning the ultrastructure and etiology of the mast cell tumors in the dog. 4259
 Milk fever in the dog. 4262
 An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
 Digitalin metabolism in cardiac insufficiency of the dog. 4307
- DOSAGE**
 Effect of gamma-irradiation of late embryo on the growth of silk glands and on silk production in the silkworm, Bombyx mori. 3875
 How to prevent sun and heat damage to desert-grown tomatoes. 3909
 Soil fumigation at Boskoop. 3925
 Disease and insect control in home orchards. 3983
 Defoliation effects on forest ecology. 4062
 The development of chemical weed control in ornamental plants in fields. 4063
 Weed control in fruits and nuts. 4070
 Weed control in vegetables. 4071
 Corn marigold (goldings, yellow oxeeye, yellow bottle). 4072
 The anabolic steroids and their use in veterinary therapeutics. 4099
 Influence of protamone on bone fragility of caged hens. (Abstract). 4103
 The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract). 4104
 Tests on laboratory animals and on tubercular cows in order to determine the value of the moruato cupric colloidal (gadusan) in the intradermal reaction. 4115
 Dietary magnesium requirement of the laying hen. (Abstract). 4155
 Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
 Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. 4174
 Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176
 Dextran 6 percent W/V in saline (plasma volume expander). Drugs for veterinary use; drug efficacy study implementation. 4177
 Nystatin for feed formulation. Drugs for veterinary use. drug efficacy study implementation. 4179
 Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 4196
 Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). 4197
 Buquinolate-A review. 4218
 Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245
- Further studies on the anthelmintic activity of I-tetramisole against gastro-intestinal helminths in sheep. 4279
 Digitalin metabolism in cardiac insufficiency of the dog. 4307
 Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
 The influence of antibiotics on mineral metabolism. 4313
 Zinc toxicity and vitamin D for chicks. (Abstract). 4314
 The effects of increasing molybdenum rates on building of dry material of clover. 4322
 Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331
 What you should know about concentrate spraying. 4342
 The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany. 4347
- DOWNY MILDEW**
 The occurrence of the downy mildew disease of tobacco. 3984
- DRAINAGE DITCHES**
 Chemical weed control in irrigation channels and drains. 4061
- DROSOPHILA**
 Salivary gland chromosome variation in the Drosophila affinis subgroup. II. Comparison of C-chromosome patterns in D. athabasca and five related species. 3899
- DROSOPHILA MELANOGASTER**
 Changes in gonads and primary sexual characters in triploid intersexes of Drosophila melanogaster (Diptera) exposed to the effect of different temperatures. 3842
 Lipids of Drosophila: A newly detected lipid in the male. 3895
 The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of Drosophila melanogaster. 3897
 Mutation rates and mortalities after X-irradiation of the early development stages of Drosophila melanogaster. 3902
 Relative viability of heterozygotes and homozygotes with respect to the irradiated chromosome in Drosophila melanogaster. 3906
- DRUG THERAPY**
 Comparative studies of American and African Trypanosomiasis. 3908
 Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118
 Notes on toxicology: The clover. 4122
 Contribution to the study of bovine mastitis due to fungi. 4125
 Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinat. (Abstract). 4128
 Oral therapy of diabetes mellitus in dogs with Glycodiazin. 4160

SUBJECT INDEX

DRUGS

- Floor pen evaluations of the anticoccidial effects of decoquinate on single and mixed species of chicken coccidia. (Abstract). 4163
- Effect of nitrofurazone and furazolidone on reproduction in chickens. 4169
- Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
- Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. 4174
- Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). 4185
- Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186
- Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 4196
- Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). 4197
- Contribution to the study of the treatment of bovine ketosis. 4200
- Buquinolate-A review. 4218
- A contribution to the salmonellosis of cattle and its therapy. 4243
- Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245
- Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
- Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
- An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- Comparative toxicology of organic and inorganic arsenicals in swine. 4306
- Digitalin metabolism in cardiac insufficiency of the dog. 4307
- DRUGS**
- Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111
- Notice of filing of petition for food additives. 4143
- Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
- Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. 4174
- Sodium propionate. Drugs for veterinary use; drug efficacy study implementation. 4175
- Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176
- Dextran 6 percent W/V in saline (plasma volume expander). Drugs for veterinary use; drug efficacy study implementation. 4177
- Sulfisoxazole. Drugs for veterinary use; drug efficacy study implementation. 4178
- Nystatin for feed formulation. Drugs for veterinary use. drug efficacy study implementation. 4179
- Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180
- Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316
- Prosphanilic acid derivatives. Patent 3,442,938. 4335
- DUCKLINGS**
- Effect of energy-protein balance, energy intake and methionine on growth and body composition of ducklings. (Abstract). 4140
- DUCKS**
- Duck virus enteritis (duck plague). Interstate movement. 4110
- DUSTING**
- Insect control for garden vegetables. 3916
- Corn earworm threatens snapbeans. 4031
- DWARF MOSAIC**
- Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield. 3954
- Distribution and host range of maize dwarf mosaic virus in Virginia. 3998
- Effects of early 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. 4001
- ECHINOCHLOA**
- Further research on the control of Echinochloa in rice fields. 4060
- ECHINOCHLOA CRUGALLI**
- Controlling weeds in tobacco with benefin. 4065
- ECOLOGY**
- Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090
- ECONOMICS**
- Chemical weed control in irrigation channels and drains. 4061
- EGGS**
- Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123
- Sulfur amino acid requirement of laying hens. (Abstract). 4156
- Effect of nitrofurazone and furazolidone on reproduction in chickens. 4169
- Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171
- Effect of ascorbic acid withdrawal on interior egg quality. (Abstract). 4204
- Field significance of Mycoplasma meleagridis infection. (Abstract). 4214
- Bacterial contamination and performance of leghorn breeders on sloping wire Versus litter floors. (Abstract). 4216
- Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219
- Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). 4223
- Shell quality effect on Salmonella penetration. (Abstract). 4225
- Egg transmission studies of Type II leukosis infection (Marek's disease). 4230
- Role of the cuticle in egg spoilage. (Abstract). 4253
- 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. 4297
- EIMERIA**
- Factors related to immunity of chickens to coccidiosis. (Abstract). 4145
- Activity of decoquinate against field strains of chicken coccidia. (Abstract). 4162
- Floor pen evaluations of the anticoccidial effects of decoquinate on single and mixed species of chicken coccidia. (Abstract). 4163
- Investigations on Coccidia in zoo ruminants. 4195
- Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 4196
- Buquinolate-A review. 4218
- Light and electron microscope investigations on the formation of the oocyst wall in Eimeria species (Eimeria perforans, E. stiedae, and E. tenella). 4229
- EIMERIA ACERVULINA**
- Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). 4250
- EIMERIA MAXIMA**
- Penetration and development of Eimeria maxima sporozoites and the static effect of decoquinate. (Abstract). 4128
- EIMERIA NECATRIX**
- Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). 4250
- Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251
- ELATERIDAE**
- A new click beetle of the genus Agriotes Esch. (Coleoptera, Elateridae) from Soviet central Asia. 3751
- Insect control for garden vegetables. 3916
- ELECTRON MICROSCOPY**
- Physiological and ultrastructural study of the corpora allata of Locusta migratoria L. (Orthoptera) in the gregarious phase. 3831
- An electron microscope study of thoracic mitochondrial membranes in developing adults of the blowfly Lucilia cuprina. 3887
- Electron microscope examination of ultra-thin sections of Streptomyces viridochromogenes for hyphal anastomoses. 3910
- Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942
- Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infectivity. 3944
- 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* Hort. 3959
- Studies on crown gall bacteria, *Agrobacterium tumefaciens* Conn II. Electron microscopic observation on the fine structure in dividing and non-dividing phases. 3990
- C -type viral particles in plasma of cats with feline leukemia. 4164
- Purification, ultrastructure, and composition of axial filaments from *Leptospira*. 4188
- Light and electron microscope investigations on the formation of the oocyst wall in *Eimeria* species (*Eimeria perforans*, *E. stiedae*, and *E. tenella*). 4229
- On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235
- Electron microscopy as an aid to the rapid identification of animal viruses. 4239
- Investigations concerning the ultrastructure and etiology of the mast cell tumors in the dog. 4259
- ELECTROPHORESIS**
- The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788
- Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
- A contribution to the prophylactic use of Gammatonin in calves. 4209
- Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk. 4288
- EMBIA BATESI**
- New Perilampidae (Hymenoptera: Chalcidoidea). 3742
- EMBIIDAE**
- New Perilampidae (Hymenoptera: Chalcidoidea). 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
- 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 and methionine on growth and body composition of ducklings. (Abstract). 4140
- The effect of added energy on induced *Mycoplasma gallisepticum* infection in broilers. (Abstract). 4212
- ENTERITIS**
- Duck virus enteritis (duck plague). Interstate movement. 4110
- ENTEROTOXEMIA**
- Enterotoxaemia of calves evoked by *Clostridium perfringens* type B. 4114
- ENTOMOGENOUS FUNGI**
- Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799
- ENTOMOLOGY**
- Bulletin of the Entomological Society of America. 3739
- What the practitioner should know about arthropods. 3740
- The importance of applied entomology for Austrian plant protection. 3926
- ENVIRONMENT**
- The effect of temperature on ascospore release by *Scleroderris lagerbergii*. 3928
- Control of *Orobanche* under natural and artificially infested conditions. 4068
- Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141
- Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks. 4257
- Research into environmental pollution. 4290
- Environmental nitrates and animal health. 4315
- ENZYMES**
- Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
- Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum. 4132
- 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. 3998
- Buggy-whip of corn and its relation to the incidence of common smut. 4017
- Occurrence of *Cronartium comptoniae* in the Maritime Provinces. 4018
- Susceptibility of coastal form and central Montana Douglas-fir to *Arceuthobium douglasii*. 4025
- Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses. 4119
- Contribution to the study of bovine mastitis due to fungi. 4125
- Leptospirosis in Argentina. Diffusion, morbidity and nosological map. 4127
- Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Abstract). 4129
- The mycotic abortions in the cow. 4194
- Epidemiological analysis of disease reports of the Southern Conference on Avian Diseases. (Abstract). 4201
- Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227
- Investigations on the occurrence of bovine leukosis in the county of Oldenburg, including the city of Delmenhorst and the metropolitan area of Oldenburg. 4254
- Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260
- Toxocarasis in man and animals. 4282
- EPITHELIUM**
- Epithelial changes in porcine exudative epidermitis; the light-microscopical picture. 4208
- Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213
- EPIZOOTIC DISEASES**
- Epizootiology of influenza in turkeys. (Abstract). 4157
- 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. 4059
- ERAGROSTIS CILIANENSIS**
- Controlling weeds in tobacco with benefin. 4065

SUBJECT INDEX

ERIOCOCCUS CAROLINAE

ERIOCOCCUS CAROLINAE

A new species of Eriococcus infesting American beach-grass in North Carolina (Homoptera: Coccoidea).

3785

ERIOPHYIDAE

What the practitioner should know about arthropods.

3740

Three new species of Eriophyid mites (Acariformes: Eriophyidae, Rhyncaphytopidae) from Poland.

3779

ERIOTHRIX

Review of the parasitic Diptera of the genus Eriothrix meigen (Diptera, Tachinidae) in the USSR.

3838

ERWINIA AMYLOVORA

The training course of the European Plant Protection Organization in England.

3914

Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tissues.

4008

ERWINIA CAROTOVORA

Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tissues.

4008

ERWINIA CHRYSANTHEMI

Aglaonema pictum, a new host of Erwinia chrysanthemi.

3982

ERYSIPHE GRAMINIS TRITICI

The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with powdery mildew (Erysiphe graminis f. tritici DC March).

4009

ERYTHROCYTES

The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract).

4104

An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections.

4183

Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks.

4257

ERYTHROMYCIN

Oral therapy of diabetes mellitus in dogs with Glycodiazin.

4160

ESCHERICHIA COLI

Reduction of shelf-life of fresh fryers due to infection with Escherichia coli prior to processing.

4287

ESTERASES

Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract).

4261

ESTROGENS

Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct.

4095

ETHERS

Juvenile hormone: Activity of aromatic terpenoid ethers.

3805

ETHYL ACETATE

Comparative interactions of Erwinia carotovora and Erwinia amylovora with pear and potato tissues.

4008

ETHYLENE DIBROMIDE

The toxic action of a mixture of gamma-BHC and EDB to Cryphalus fulvus Nijima. Studies on the control of forest pests. V.

3857

ETHYLENEDIAMINETETRAACETIC ACID

Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens.

4105

Use of chicks to measure availability of iron. (Abstract).

4220

ETIOLOGY

A meningioma in a cat associated with erosion of the skull.

4154

EUMOLPINAЕ

Leaf beetle larvae of the subfamily Eumolpinae and of Syneta betulae F. (Coleoptera, Chrysomelidae).

3840

EUPERILAMPUS KROMBEINI

New Perilampidae (Hymenoptera: Chalcidoidea).

3742

EUPODIDAE

A mite of the genus Tydeus (Acariformes, Tydeidae) that is a grape pest in Moldavia.

3846

EVALUATION

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

EXCRETION

Investigations on Coccidia in zoo ruminants.

4195

EXTRACTS

Isolation and characterization of ribonucleic acid from Musca domestica (L.).

3798

EXTREMITIES

Changes in soluble proteins during foot-pad development in Sarcophaga bullata.

3821

EXUDATIVE EPIDERMITIS

Epithelial changes in porcine exudative epidermitis; the light-microscopical picture.

4208

EYES

On ocular regeneration in Lithobius forficatus L. (Myriopoda Chilopoda).

3832

Brief communication on the occurrence of thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic.

4273

EYEWORMS

Brief communication on the occurrence of thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic.

4273

FARM BUILDINGS

Insects and mites of livestock and in farm buildings.

3792

FARM MANAGEMENT

Spraying post oak brush pays dividends.

4084

FASCIOLA HEPATICA

The anaemia of acute and chronic ovine fascioliasis.

4280

FASCIOLIASIS

The anaemia of acute and chronic ovine fascioliasis.

4280

FATS

Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates.

4120

Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals.

4300

FATTENING

Calf fattening trials with oral administration of abdelin acid, aureomycin and chloramphenicol, under controlled environmental conditions.

4146

FATTY ACIDS

Changes in the composition of lipids and fatty acids in adult Culex tarsalis and Anopheles freeborni during the overwintering period.

3871

Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract).

4224

FECES

Investigations on Coccidia in zoo ruminants.

4195

Studies on the epizootology of gastrointestinal helminths in calves.

4281

FEED

Notice of filing of petition for food additives.

4143

Imbalanced lysine feeds for starting or growing chicks.

4234

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract).

4245

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Coumaphos.

4274

Salmonella organisms in poultry feeds. (Abstract).

4289

FEED ADDITIVES

Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements.

4301

The influence of antibiotics on mineral metabolism.

4313

FEED CONTAMINATION

Biology of the fungus Aspergillus flavus Link and its infectivity to plants and animals.

3973

FEED TOXICITY

Notes on toxicology: The clover.

4122

FEEDING

Larval feeding habits of certain Chloropidae (Diptera).

3885

Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows.

4152

DDT residues in beef cows fed apple pomace.

4302

FERRETS

Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets.

4215

FERTILITY

On the effect of combined action of pathogenic microorganisms and insecticides upon insects.

3884

FERTILIZERS

Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought about by induced pigment formation.

3867

Are fertilizer programs related to fireblight and fruit disorders at harvest.

3933

Effective methods for the use of herbicides in combination with the mineral fertilizers. In: Col-

- lection of reports given at the International Her-
bicide Conference, Prague, June 21-24, 1966. 4085
- Environmental nitrates and animal health. 4315
- FIRE BLIGHT**
The training course of the European Plant Pro-
tection Organization in England. 3914
Are fertilizer programs related to fireblight and
fruit disorders at harvest. 3933
Fruit disease problems and new approaches to
their controls. 3975
- FISH**
Interaction of antimycin A and rotenone in fish
bioassays. 4097
Fish as observed hosts of Ascarids--their sig-
nificance in regard to man's health. 4275
- FLORA**
Fauna of the Heteroptera on town waste
neopelon of the Prague periphery. 3767
- FLOWERS**
Paratephritis transitoria Rhod. (Diptera,
Tephritidae), a fly that forms galls on tassel
flowers in the Maritime Territory. 3833
- FLUORESCENCE**
Determination of the virulence of the Mycobac-
terium tuberculosis by the fluorescence method. 4248
- FLUORESCENT ANTIBODY TECHNIC**
Investigations on the development of Aegypt-
ianella pullorum Carpano, 1928, in the soft tick
Argas (Persicargas) persicus.(Oken, 1818) by
means of fluorescent antibodies. 3822
An improvement of the indirect fluorescent an-
tibody test for the diagnosis of intraerythrocytic
parasitic infections. 4183
- FOLIAR APPLICATION**
Effect of seeded fruits and foliar-applied auxin
on seedless fruit set of pear the following year. 4332
- FOOD**
Study on attractant of the rice stem borer, Chilo
suppressalis Walker. 3835
Animal food composition. Patent 3,428,457. 4159
- FOOD ADDITIVES**
Notice of filing of petition for food additive ron-
nel. 4096
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. 4098
Payzone nitrovin-A new growth promoter for
poultry. (Abstract). 4101
Influence of dietary fat, soybean meal treatment
and antibiotic supplementation on growth of
chicks fed different carbohydrates. 4120
Notice of filing of petition for food additive
diethylstilbestrol. 4142
Notice of filing of petition for food additives. 4143
Notice of filing of petition for food additive
nitrodan. 4144
Effect of methionine on a growth depression in-
duced by supplementing a corn-soybean meal
diet with lysine. 4151
Cobalt and vitamin C for chicks. (Abstract). 4210
- Buquinolate-A review. 4218
Influence on egg quantity and quality with
sorghum grain diets supplemented with corn oil
and/or furazolidone. (Abstract). 4223
Effect of MGA on body weight, body fat and
fatty acid composition of chickens. (Abstract). 4224
The influence of high level of L-phenylalanine on
chicks hatched from pullets fed same level of L-
phenylalanine. (Abstract). 4246
Food additives permitted in feed and drinking
water of animals or for the treatment of food-
producing animals. Coumaphos. 4274
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. 4297
Tolerances and exemptions from tolerances for
pesticide chemicals in or on raw agricultural
commodities. Food additives. Phosalone. 4298
- FOOD CONSUMPTION**
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. 4098
Irradiated food: FDA blocks AEC, Army
requests for approval. 4286
- FOOD CONTAMINATION**
A study of carcasses condemned for skin leuko-
sis. (Abstract). 4284
Irradiation treatment on wiener sausage with
gamma-ray. 4285
Reduction of shelf-life of fresh fryers due to in-
fection with Escherichia coli prior to processing. 4287
Isolation of the tuberculosis bacillus through
electrophoresis in artificially contaminated milk. 4288
Salmonella organisms in poultry feeds. (Ab-
stract). 4289
Organic phosphate poisoning of sheep in Skull
Valley, Utah. 4304
- FOOD HABITS**
Food sources of some mosquito species in the
natural focus of Tahyna virus in southern
Moravia. 3854
A contribution to the bionomy of Culex
modestus Fic. (Diptera, Culicidae) in southern
Moravia. 3855
- FOOD PLANTS**
Studies on the adult diapause of the broad bean
weevil, Bruchus rufimanus. 3830
Study on attractant of the rice stem borer, Chilo
suppressalis Walker. 3835
The effect of diet on the physiology of the
brown-tail moth, Euproctis chryorrhoea L.
(Lepidoptera, Liparidae). 3861
- FOOD PRESERVATION**
Irradiated food: FDA blocks AEC, Army
requests for approval. 4286
- FOOD PROCESSING**
The levels of Type II infection (Marek's disease)
in 8-week-old chickens processed at dressing
plants. (Abstract). 4231
Reduction of shelf-life of fresh fryers due to in-
fection with Escherichia coli prior to processing. 4287
- FOOD SANITATION**
The first maximum dosage regulation for plant
protection preparations in the Federal Republic
of Germany. 4347
- FOOD SPOILAGE**
Role of the cuticle in egg spoilage. (Abstract). 4253
- FOOT-AND-MOUTH DISEASE**
Progress of the Soviet virology in foot-and-
mouth disease studies. 4181
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. 4191
- FOOT-AND-MOUTH DISEASE VIRUS**
Virulence, adsorbability, and antigenicity of
foot-and-mouth disease virus selected by adsorp-
tion with homogenized mouse kidney. 4124
- FORAGE PLANTS**
The forage plants of Rhamnus pruni Schiff. 3828
- FOREIGN TRADE**
Foreign quarantine notices. Nursery stock,
plants, and seeds. Importation. 4346
- FOREST INSECTS**
Mortality of mature beetles Ips typographus (L.)
(Col., Scolytidae) in the galleries and its causes. 3799
The toxic action of a mixture of gamma-BHC
and EDB to Cryphalus fulvus Nijjima. Studies on
the control of forest pests. V. 3857
Distribution of soil beetles (Coleoptera,
Bruchidae) in the forest-steppe zone of the East-
ern Ukraine. 3869
The attraction to Pissodes notatus (Col. Curcu-
lionidae) of the wounds formed by Matsuococ-
cus feytaudi Duc. (Hom. Coccoidea) on
maritime pine. 4034
The oleander scale, Pseudaulacaspis pentagona
(Targ.), (Homoptera, Coccidae) in Bermuda. 4043
- FOREST SOILS**
Nematodofauna of a mixed hornbeam-oak forest
soil and of the neighboring cultivated lands at
Bab near Nitra. 4055
- FORMICIDAE**
Geographic distribution of the ant genus For-
mica (Hymenoptera: Formicidae). 3750
- FORMULATIONS**
Nystatin for feed formulation. Drugs for veteri-
nary use. drug efficacy study implementation. 4179
- FOXES**
The natural occurrence of surra in the African
longhaired fox. 4236
- FRACTIONATION**
Isolation and characterization of ribonucleic acid
from Musca domestica (L.). 3798
- FREIGHT TRANSPORTATION**
Regulating the shipment of living pests,
pathogens and vectors. 4345
- FRUIT**
Natural enemies of Laspeyresia pomonella L.
(Lepidoptera, Tortricidae) and the effect of
chemical treatment on their useful activity. 3819
The training course of the European Plant Pro-
tection Organization in England. 3914
Are fertilizer programs related to fireblight and
fruit disorders at harvest. 3933

SUBJECT INDEX

FRUIT CULTURE

- Fruit disease problems and new approaches to their controls. 3975
- Disease and insect control in home orchards. 3983
- New chemicals look good for weed control in Michigan orchards. 3994
- Brown rot control in Southern California. 4015
- Weed control in fruits and nuts. 4070
- 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 International Herbicide Conference, Prague, June 21-24, 1966. 4081

FRUIT CULTURE

- Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930
- Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931
- Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932
- Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010
- Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011
- Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012
- Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013
- Gibberellin-induced asymmetric growth of apple fruits. 4318
- Effect of seeded fruits and foliar-applied auxin on seedless fruit set of pear the following year. 4332

FRUIT NURSERIES

- Index tests of certified and uncertified nursery fruit trees in Washington in 1968. 3961

FRUIT ROT

- Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971

FUMIGATION

- Tests on dry fumigation of potato seedlings against *Rhizoctonia* disease. 4023
- Nematodes are destructive to your plants. 4053
- Fumigation and reuse of broiler litter. (Abstract). 4222

FUNGI

- Infection experiments with a fungus (*Coelomomyces*) which kills malarial mosquitoes. (abstract). 3812
- Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. 3844
- Larval feeding habits of certain Chloropidae (Diptera). 3885
- Electron microscope examination of ultra-thin sections of *Streptomyces viridochromogenes* for hyphal anastomoses. 3910
- 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. 3911

- Morphological variation in the sugarcane smut, *Ustilago scitaminea* Syd. 3920
- From the realm of microorganisms. Some interesting structures of plant microorganisms. 4026
- Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090
- Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses. 4119
- A new antibiotic produced by a strain of *Aspergillus flavipes*. 4334

FUNGI DISSEMINATION

- The effect of temperature on ascospore release by *Sclerotinia lagerbergii*. 3928
- Spore dispersal by *Sclerotinia lagerbergii* under nursery and plantation conditions. 4007

FUNGICIDES

- A flower blight of chrysanthemum in South Florida. 3955
- Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966. 3966
- Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. 3967
- Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971
- Biology of the fungus *Aspergillus flavus* Link and its infectivity to plants and animals. 3973
- Melanose of citrus. 3988
- Field evaluation of some fungicides for control of leaf and stem rusts of wheat. 4006
- The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329

FUNGUS CULTURES

- Phoma exigua* Desm. and its varieties. 3945
- Studies of *Leptosphaeria avenaria* f. sp. *triticea* on wheat in North Dakota. 3970

FUNGUS DISEASES (ANIMALS)

- Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses. 4119
- Contribution to the study of bovine mastitis due to fungi. 4125
- Disseminated geotrichosis in a dog. 4182
- The mycotic abortions in the cow. 4194

FUNGUS DISEASES (PLANTS)

- Supplement to the Plant Protection bulletin. 3923
- Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930
- Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931
- Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932
- Pseudomonas syringae* infection of sweet cherry fruit in Utah. 3934

- Reaction of tomato varieties against *Alternaria solani* and *Cladosporium fulvum*. 3935
- A new leaf spot of para rubber (*Hevea brasiliensis*) in Nigeria. 3936
- Stem and root diseases of beans. 3941
- Problems around the incidence and control of *Fusarium oxysporum* in tulips. 3943
- Phoma exigua* Desm. and its varieties. 3945
- Resistance of dwarf-internode castor (*Ricinus communis*) to *Verticillium* wilt. 3946
- Dutch elm disease detected in Alabama. 3947
- Plant pathology field day. 3949
- Discovery and distribution of *Fusicoccum canker* of Russian olive in Illinois. 3950
- Stem rust of wheat in Canterbury. 3953
- A flower blight of chrysanthemum in South Florida. 3955
- Diseases and parasites of the rose. 3956
- Low temperature sprays for Dutch elm disease control. 3957
- Crown rust of oats in Canada in 1968. 3958
- Air-borne rust inoculum over western Canada in 1968. 3962
- Chemical control of stripe smut in Merion Kentucky bluegrass. 3964
- The identity of *Phyllactinia* on winged elm in Georgia. 3965
- Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966. 3966
- Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. 3967
- Additional varieties of *Agrostis palustris* infected by *Ustilago striiformis* var. *agrostidis*. 3968
- Losses from fusarium stem rot caused by *Fusarium roseum*, in production of cuttings of carnation, *Dianthus caryophyllus*. 3969
- Studies of *Leptosphaeria avenaria* f. sp. *triticea* on wheat in North Dakota. 3970
- Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971
- Fungus diseases of cotton seedlings in Egypt. 3972
- Biology of the fungus *Aspergillus flavus* Link and its infectivity to plants and animals. 3973
- Fusarium* wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974
- Fruit disease problems and new approaches to their controls. 3975
- Virulence of various groups of loose smut of barley, (*Ustilago nuda* (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978

- Elements for a study on the needle-cast fungus of scotch pine *Lophodermium pinastri* (Schr.) Chev. Phenological study: fall of needles and development of hysterothecia. 3979
- The occurrence of the downy mildew disease of tobacco. 3984
- Lophodermium durilabrum* found on foxtail pine in California. 3986
- Melanose of citrus. 3988
- A race of *Ustilago tritici* virulent on Thatcher wheat and its derivatives. 3989
- Live oak in Mississippi infected by *Endothia parasitica*. 3992
- Virginia pine, a new host for *Cronartium comandrae*. 3993
- Effect of *Sclerospora graminicola* infection on total nitrogen content and free amino acid composition of Bajra plants. 3995
- Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967. 3996
- Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts. 3997
- Leaf rust of wheat in Canada in 1968. 3999
- Resistance to benomyl in powdery mildew of cucurbits. 4003
- Field evaluation of some fungicides for control of leaf and stem rusts of wheat. 4006
- Spore dispersal by *Scleroderris lagerbergii* under nursery and plantation conditions. 4007
- The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with powdery mildew (*Erysiphe graminis* F. tritici DC March). 4009
- Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010
- Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011
- Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012
- Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013
- Brown rot control in Southern California. 4015
- Wild species as a source of resistance to diseases. 4016
- Occurrence of *Cronartium comptoniae* in the Maritime Provinces. 4018
- Possibilities for *Botrytis cinerea* control, especially in tomatoes. 4019
- Occurrence of *Ephelis* on rice variety IR-8 and cotton grass in India. 4020
- Tests on dry fumigation of potato seedlings against *Rhizoctonia* disease. 4023
- Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024
- Susceptibility of coastal form and central Montana Douglas-fir to *Arceuthobium douglasii*. 4025
- From the realm of microorganisms. Some interesting structures of plant microorganisms. 4026
- Hybrid corn yield reduction by stalk and root rot in Nebraska. 4027
- The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029
- Why is the disinfection treatment of corn seeds absolutely necessary. 4030
- Experiences with residue research in lettuce. 4291
- An unexpected effect of benomyl on two gladiolus varieties. 4321
- Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330
- FURAZOLIDONE**
Effect of nitrofurazone and furazolidone on reproduction in chickens. 4169
- Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). 4223
- A contribution to the salmonellosis of cattle and its therapy. 4243
- FURYL-BENZIMIDAZOLE, 2-(2-**
Chemical control of stripe smut in Merion Kentucky bluegrass. 3964
- FUSARIUM**
Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974
- Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts. 3997
- Hybrid corn yield reduction by stalk and root rot in Nebraska. 4027
- An unexpected effect of benomyl on two gladiolus varieties. 4321
- FUSARIUM MONILIFORME**
Fungus diseases of cotton seedlings in Egypt. 3972
- FUSARIUM OXYSPORUM**
Problems around the incidence and control of *Fusarium oxysporum* in tulips. 3943
- Fungus diseases of cotton seedlings in Egypt. 3972
- FUSARIUM ROSEUM**
Losses from *fusarium* stem rot caused by *Fusarium roseum*, in production of cuttings of carnation, *Dianthus caryophyllus*. 3969
- FUSARIUM SOLANI PHASEOLI**
Stem and root diseases of beans. 3941
- FUSICOCCUM ELAEAGNI**
Discovery and distribution of *Fusicoccum* canker of Russian olive in Illinois. 3950
- GADUSAN**
Tests on laboratory animals and on tubercular cows in order to determine the value of the morruato cupric colloidal (gadusan) in the intradermal reaction. 4115
- GALIIUM APARINE**
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 International Herbicide Conference, Prague, June 21-24, 1966. 4081
- GALL-MAKING INSECTS**
Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory. 3833
- The alternate generation of *Callirhytis quercus-suttonii* (Bassett)(Hymenoptera: Cynipoidea). 4038
- GALLERIA MELLONELLA**
Phagocytic haemocytes in unfixed *Galleria mellonella* larvae. 3890
- GAMMA GLOBULINS**
A contribution to the prophylactic use of Gammatonin in calves. 4209
- GAMMA RAYS**
Effect of gamma-irradiation of late embryo on the growth of silk glands and on silk production in the silkworm, *Bombyx mori*. 3875
- Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971
- The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with powdery mildew (*Erysiphe graminis* F. tritici DC March). 4009
- Irradiation treatment on wiener sausage with gamma-ray. 4285
- GARDENS**
Insect control for garden vegetables. 3916
- GAS POISONING**
Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
- GASTRITIS**
Chronic follicular hypertrophic-hyperplastic gastritis in a dog. 4138
- GASTROINTESTINAL DISEASES**
Chronic follicular hypertrophic-hyperplastic gastritis in a dog. 4138
- GASTROINTESTINAL SYSTEM**
The effect of various biogenic amines on the activity of the foregut of the cockroach, *Blaberus giganteus*. 3811
- Salt and water transport by the in vitro cockroach midgut. 3870
- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Coumaphos. 4274
- Further studies on the anthelmintic activity of 1-tetramisole against gastro-intestinal helminths in sheep. 4279
- Studies on the epizootology of gastrointestinal helminths in calves. 4281
- GEOMETRIDAE**
Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera). 3762
- GEOTRICHUM CANDIDUM**
Disseminated geotrichosis in a dog. 4182
- GERM-FREE LIFE**
Pathogenesis of infectious synovitis in gnotobiotic chickens. (Abstract). 4165

SUBJECT INDEX

GIBBERELLINS

GIBBERELLINS

- Gibberellin-induced asymmetric growth of apple fruits. 4318
- Hormonal regulation in higher plants. 4319
- Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331
- Chemical regulators in horticulture. 4333

GLADIOLUS

- An unexpected effect of benomyl on two gladiolus varieties. 4321

GLOMERELLA LINDEMUTHIANUM

- Supplement to the Plant Protection bulletin. 3923

GLYCEMIA

- Glycemia in dogs. 4184

GLYCERIDES

- Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261

GLYCEROL

- Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815

GLYCOPROTEINS

- The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788

GOATS

- Insects and mites of livestock and in farm buildings. 3792
- Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood. 4305

GONADS

- Changes in gonads and primary sexual characters in triploid intersexes of *Drosophila melanogaster* (Diptera) exposed to the effect of different temperatures. 3842

GONODONTA OBESA

- Taxonomic and nomenclatural notes on *Gonodonta obesa* (Walker) (Lepidoptera: Noctuidae). 3780

GOSSYPOL

- Evaluation of cottonseed soapstocks in broiler diets. (Abstract). 4317

GRAIN

- Crop rotation hygiene in grain cultures. 3912
- Avoid yellow dwarf virus by late sowing. 3981
- Autumn weed control for continuous cereal growers. 4069
- Perennial bindweeds. 4074
- 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 International Herbicide Conference, Prague, June 21-24, 1966. 4081
- 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

GRAMOXONE

- Further test of the control of *Avena fatua* in sugar beets. 4079

GRAPE VINEYARDS

- Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967. 3938
- Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086

GRAPES

- A mite of the genus *Tydeus* (Acariformes, Tydeidae) that is a grape pest in Moldavia. 3846
- Virus diseases and the selection of grapes. 3937
- The present state of grape culture virus research. 3948
- Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966. 3966
- Breeding and propagation of virus-free grapes in hydroponic cultures. 4045
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone. 4298
- Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299
- The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329

GRASSES

- A new genus and two new species of Cecidomyiidae associated with *Pariana* spp. (Gramineae) in South America (Diptera). 3749
- A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae). 3757
- Distribution and host range of maize dwarf mosaic virus in Virginia. 3998
- Chemical control of annual bluegrass as related to vertical mowing. 4091
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba. 4295

GRAZING

- Ragwort. 4073

GREENHOUSE CULTURE

- Infection experiments with a fungus (Coelomomyces) which kills malarial mosquitoes. (abstract). 3812
- The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014

GREGARINIDA

- Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. 3844

GROWTH FACTORS

- Notice of filing of petition for food additives. 4143

GRYLLOTALPA HEXADACTYLA

- The non-random chromosome segregation in spermatocytes of *Gryllotalpa hexadactyla*. A micromanipulation analysis. 3896

GUINEA PIGS

- Determination of the virulence of the *Mycobacterium tuberculosis* by the fluorescence method. 4248

HABITATS

- The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. 3845

HAEMOPHILUS

- Observations on septicemia of cattle caused by a *Haemophilus*-like organism. 4211

HALO BLIGHT

- Plant pathology field day. 3949

HALOACETANILIDE, ALPHA

- Phytotoxic alpha-halo-acetanilides. Patent 3,442,945. 4340

HAMSTERS

- Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828). 4241

HARVESTING

- Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933

HAY

- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba. 4295

HEART DISEASES

- Digitalin metabolism in cardiac insufficiency of the dog. 4307

HELICOPTERS

- Field observations on effectiveness of maleic hydrazide applied to onions by helicopter. 4327

HELIOTHIS ZEA

- Corn earworm threatens snapbeans. 4031

HELMINTHS

- Further studies on the anthelmintic activity of 1-tetramisole against gastro-intestinal helminths in sheep. 4279
- Studies on the epizootology of gastrointestinal helminths in calves. 4281

HEMAGGLUTINATION

- Hemagglutinins induced in chickens with *Mycoplasma gallisepticum* infection. (Abstract). 4108

HEMAGGLUTINATION-INHIBITION TEST

- Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary. 4167

HEMATOLOGIC DISEASES

- Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows. 4152

HEMATOLOGY

- The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract). 4104
- Hematology of an inherited anemia in the domestic fowl. 4256
- The anaemia of acute and chronic ovine fascioliasis. 4280

HEMILEIA VASTATRIX

- Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. 3967

HEMOGLOBIN

- Molecular order of participation of inhibitors (or activators) in biological systems. 4339

HEPTACHLOR

- Damages done to beet seeds by the forest mouse (*Apodemus sylvaticus*). 4092
- Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*). 4310

HERBICIDE APPLICATION

The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method. 4343

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 21-24, 1966. 4064

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba. 4295

2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296

Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299

HERBICIDES

New chemicals look good for weed control in Michigan orchards. 3994

Further research on the control of Echinochloa in rice fields. 4060

Chemical weed control in irrigation channels and drains. 4061

Defoliation effects on forest ecology. 4062

The development of chemical weed control in ornamental plants in fields. 4063

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. 4070

Weed control in vegetables. 4071

Corn marigold (goldings, yellow oxeye, yellow bottle). 4072

Chemical weed control in potato (*Solanum tuberosum* L.). A review. 4075

New herbicides for controlling weeds in upland rice. 4076

Defoliation effects on forest ecology. 4080

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 International Herbicide Conference, Prague, June 21-24, 1966. 4081

Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083

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. 4085

Herbicides in the perspectives of 20 months and 20 years. 4089

Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba. 4295

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 *Argyrogramma albostrata* (Bremer and Grey) (Noctuidae, Plusiinae). 3898

HESPERIIDAE

Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski. 3758

HETERAKIS GALLINAE

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245

HETERAKIS GALLINARUM

Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272

HETERODERA GLYCINES

Survival of the soybean cyst nematode in seed stocks. 4049

Nine varieties of southern peas resistant to the soybean cyst nematode. 4050

HETERODERA ROSTOCHIENSIS

Golden nematode found in Delaware. 4056

HETEROPTERA

Fauna of the Heteroptera on town waste neopedon of the Prague periphery. 3767

HEVEA BRASILIENSIS

A new leaf spot of para rubber (*Hevea brasiliensis*) in Nigeria. 3936

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. 4047

HISTOLOGY

Innervation of the gut of the migratory locust, *Locusta migratoria* L. (Orthoptera, Acrididae). 3864

HISTOMONAS MELEAGRIDIS

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245

HISTOPATHOLOGY

Flaphostrongylus cervi Cameron, 1931 in the central nervous system of red deer (*Cervus elaphus*). 4271

HISTORY

The importance of applied entomology for Austrian plant protection. 3926

HOG CHOLERA

Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum. 4132

HOMOPTERA

Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3876

HOPS

Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299

HORMONES

The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (*Musca domestica* L.). 3804

Juvenile hormone: Activity of aromatic terpenoid ethers. 3805

The anabolic steroids and their use in veterinary therapeutics. 4099

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100

Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186

HORSES

Insects and mites of livestock and in farm buildings. 3792

Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180

On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235

Proceedings of the American College of Veterinary Toxicologists, 1967. 4309

Locoweed toxicity in horses. 4312

HOST INDEXING (PLANTS)

Letters on leaf miners. 3752

Community studies on Hymenoptera found on *Brassica napus* L. Part III. Braconidae and Aphidiidae. 3853

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. 3822

Minimum time for development and life span of metacercariae. 4270

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. 3908

Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses. 4119

SUBJECT INDEX

HUMANS

- Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary. 4167
- Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170
- The importance of brucellosis infection in regard to human health. 4237
- Fish as observed hosts of Ascarids--their significance in regard to man's health. 4275
- An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- The finding of *Gongylonema pulchrum* Molin, 1857 (Nematoda) in man. 4278
- Toxicariasis in man and animals. 4282
- HUMANS**
The animal adenoviruses. 4217
- Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316
- HUMIDITY**
Effect of storage on cottonseed and cottonseed products. 4283
- Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response to ozone. 4326
- HYDRANGEA**
Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942
- HYDROCHLORIC ACID**
Further studies on the anthelmintic activity of 1-tetramisole against gastro-intestinal helminths in sheep. 4279
- HYDROGEN SULFIDE**
Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
- HYDROGEN-ION CONCENTRATION**
Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974
- HYDROPONICS**
The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014
- HYDROXYNAPHTHALIMIDE DIETHYL PHOSPHATE, N**
Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
- HYGIENE**
Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141
- HYMENOPTERA**
The genus *Susana* Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773
- Sphecoidea from the Ryukyus and Formosa (Hymenoptera). 3783
- Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. 3844
- The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. 3845
- Community studies on Hymenoptera found on *Brassica napus* L. Part III. Braconidae and Aphidiidae. 3853
- Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3876
- HYPERA**
New species of *Hypera* (Coleoptera, Curculionidae) from the Crimean Mountains. 3787
- HYPERGLYCEMIA**
The hyperglycaemic activity of the corpus allatum in an insect. 3877
- ICHNEUMONIDAE**
The neotropic species of *Xanthopimpla* (Hymenoptera: Ichneumonidae). 3782
- ILLUSTRATIONS**
Papilionoidea and *Hesperioidea* (Lepidoptera) of the virgin forest of Bialowieski. 3758
- Diseases and parasites of the rose. 3956
- Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024
- Now can you spot those weeds. 4059
- Weeds mean waste Know your weeds and how to control them. 4066
- IMMUNITY**
Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. 3856
- Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985
- Effects of early 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. 4001
- Resistance to benomyl in powdery mildew of cucurbits. 4003
- Wild species as a source of resistance to diseases. 4016
- Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111
- Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets. 4139
- Factors related to immunity of chickens to coccidiosis. (Abstract). 4145
- Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147
- Role of the cuticle in egg spoilage. (Abstract). 4253
- IMMUNIZATION**
Comparative studies of American and African Trypanosomiasis. 3908
- Progress of the Soviet virology in foot-and-mouth disease studies. 4181
- The epizootiological importance of foot-and-mouth disease carriers. II. The carrier status of cattle exposed to foot-and-mouth disease following vaccination with an oil adjuvant inactivated virus vaccine. 4191
- Heterologous immunity in avian hosts infected with *Plasmodium relictum* and *Plasmodium lophurae*. 4232
- IMMUNOFLUORESCENCE**
Studies on several strains of pseudorabies (Aujeszky) virus showing different virulence by means of the immuno- and acridine orange fluorescence. 4266
- IMPERATA CYLINDRICA**
Occurrence of *Ephelis* on rice variety IR-8 and cotton grass in India. 4020
- IMPORT CONTROL**
The plant protection import controls in Bavaria. 3918
- INCLUSION BODIES**
Light and electron microscope investigations on the formation of the oocyst wall in *Eimeria* species (*Eimeria perforans*, *E. stiedae*, and *E. tenella*). 4229
- INDEXING**
Index tests of certified and uncertified nursery fruit trees in Washington in 1968. 3961
- INDIA**
Reaction of tomato varieties against *Alternaria solani* and *Cladosporium fulvum*. 3935
- INFECTIOUS BURSAL AGENT**
The infectious bursal agent and pathology of the disease. (Abstract). 4131
- INFECTIOUS SYNOVITIS**
Pathogenesis of infectious synovitis in gnotobiotic chickens. (Abstract). 4165
- INFLAMMATION**
A case of bilateral polycystic kidneys in a cat. 4137
- INFLUENZA**
Epizootiology of influenza in turkeys. (Abstract). 4157
- Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215
- INHIBITORS**
Molecular order of participation of inhibitors (or activators) in biological systems. 4339
- INJECTIONS**
A contribution to the prophylactic use of Gammatonin in calves. 4209
- Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
- INORGANIC COMPOUNDS**
Environmental nitrates and animal health. 4315
- INSECT ADAPTATION**
Studies on the adult diapause of the broad bean weevil, *Bruchus rufimanus*. 3830
- INSECT ANATOMY**
Three species of Mexican *Krombeinia* having an elongated tegula with an extended apical angle (Hymenoptera: Tiphidae). 3793
- Structure and function of the giant fibre system in the cockroach, *Periplaneta americana*. 3817
- Record of the moth ear mite, *Dicrocheles phalaenodectes*, in Ohio (Acarina: Mesostigmata). 3865
- INSECT BEHAVIOR**
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
- Photoperiodism in the honey bee, *Apis mellifera* L. (Hymenoptera, Apidae). 3809

SUBJECT INDEX

INSECT GENETICS

- Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity. **3819**
- The forage plants of *Rhagades pruni* Schiff. **3828**
- Some biological notes on *Bombus ignitus* Smith with special reference to the nest structure (Hym. Apidae). **3834**
- Review of the parasitic Diptera of the genus *Eriothrix* meigen (Diptera, Tachinidae) in the USSR. **3838**
- Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. **3844**
- A mite of the genus *Tydeus* (Acariformes, Tydeidae) that is a grape pest in Moldavia. **3846**
- The behavior of adults of abundant species of caddisflies (Trichoptera) in the tributaries of Lake Sevan. **3852**
- Food sources of some mosquito species in the natural focus of *Tahyna virus* in southern Moravia. **3854**
- Biting midges of the genus *Culicoides* Mg. (Diptera, Ceratopogonidae) from the Valley of the Middle Reaches of the Desna. **3874**
- Larval feeding habits of certain Chloropidae (Diptera). **3885**
- Mating and oviposition behavior of the coffee leaf miner, *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). **3888**
- Honeybees: Do they use direction and distance information provided by their dancers. **3889**
- INSECT BIOCHEMISTRY**
- New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata). **3820**
- Changes in the composition of lipids and fatty acids in adult *Culex tarsalis* and *Anopheles freeborni* during the overwintering period. **3871**
- Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria testacea*. **3881**
- Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. **3892**
- INSECT BIOLOGY**
- A survey of leaf-miners and their parasites on *Laburnum*. **3797**
- Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera). **3802**
- Description of the larva of *Parena* (*Parena*) perforata (Bates), with some notes on its life history (Carabidae). **3825**
- Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory. **3833**
- Leaf beetle larvae of the subfamily Eumolpinae and of *Syneta betulae* F. (Coleoptera, Chrysomelidae). **3840**
- New data on the biology of caddisflies (Trichoptera, Limnephilidae, Apataniinae) of Lake Baikal. I. Life span and mass flight of adults. **3851**
- The behavior of adults of abundant species of caddisflies (Trichoptera) in the tributaries of Lake Sevan. **3852**
- Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. **3856**
- Lipids of *Drosophila*: A newly detected lipid in the male. **3895**
- The peach twig borer and its control. **4032**
- Bloodworms--pests of rice. **4037**
- Raspberry moth. **4039**
- INSECT CONTROL**
- Disease and insect control in home orchards. **3983**
- INSECT DIETS**
- The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (*Musca domestica* L.). **3804**
- INSECT DISEASES**
- Investigations on the development of *Aegyptianella pullorum* Carpano, 1928, in the soft tick *Argas* (*Persicargas*) *persicus* (Oken, 1818) by means of fluorescent antibodies. **3822**
- Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. **3856**
- INSECT ECOLOGY**
- Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowiecki. **3758**
- The colonization of Lake Constance with Chironomidae. **3765**
- Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. **3766**
- Fauna and ecology of mosquitoes in the southern part of the Moscow district. **3770**
- The entomology of the Isle of Rhum National Nature Reserve. **3775**
- Studies on the insect fauna on Scotch broom *Sarothamnus scoparius* (L.) Wimmer. **3784**
- Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgograd Province. **3795**
- A contribution to the bionomics and morphology of *Rhadnoceraea reitteri* Knw. with a description of the larva. (Hym., Tenthredinidae). **3801**
- Photoperiodism in the honey bee, *Apis mellifera* L. (Hymenoptera, Apidae). **3809**
- Occurrence of the species *Trichocladus trifascia* Edwards (Chironomidae, Diptera) in the Danube. **3816**
- European species of the genus *Myospila* Rond. (Dipt., Muscidae). **3823**
- Faunal and ecological study on the families Nycteribiidae and Streblidae (Dipt., Pupipara) of the Nangahar Province (Eastern Afghanistan). **3829**
- Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory. **3833**
- The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. **3845**
- A contribution to the bionomy of *Culex modestus* Fic. (Diptera, Culicidae) in southern Moravia. **3855**
- Effects of apholate on the bionomics of *Musca domestica* nebulosa Fabr. **3866**
- Distribution of seed beetles (Coleoptera, Bruchidae) in the forest-steppe zone of the Eastern 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 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-1-phosphate by insect flight-muscle mitochondria. **3815**
- New data on the biology of caddisflies (Trichoptera, Limnephilidae, Apataniinae) of Lake Baikal. I. Life span and mass flight of adults. **3851**
- 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 albostrata* (Bremer and Grey) (Noc-tuidae, Plusiinae). **3898**
- Salivary gland chromosome variation in the *Drosophila affinis* subgroup. II. Comparison of C-chromosome patterns in *D. athabasca* and five related species. **3899**
- Chromosomes of the cereal leaf beetle. **3900**
- Endomitosis in the mealy bug, *Planococcus citri* (Homoptera: Coccoidea). **3901**

SUBJECT INDEX

INSECT GEOGRAPHY

- Mutation rates and mortalities after X-irradiation of the early development stages of *Drosophila melanogaster*. 3902
- An autosomal recessive gene in *Pyrrhocoris*. 3903
- Notes on the chromosomes of two species of cockroaches. 3904
- Genetics of organophosphate resistance in the two-spotted spider mite (*Tetranychus urticae* Koch). 3905
- Relative viability of heterozygotes and homozygotes with respect to the irradiated chromosome in *Drosophila melanogaster*. 3906
- Heterogeneity in the Trinidad DDT-RESISTANT strain and the QS susceptible strain of *Aedes aegypti* L. The isolation of highly resistant and highly susceptible substrains. 3907

INSECT GEOGRAPHY

- To the fauna of ixodid ticks of Mongolia. 3744

INSECT HISTOLOGY

- Vitamin A deficiency: Effect on retinal structure of the moth, *Manduca sexta*. 3807
- Comparative studies of the development of *Plasmodium cynomolgi bastianellii* in *Anopheles stephensi* and *A. albimanus*. 3860
- Control systems in insect development. (abstract). 3872

INSECT IDENTIFICATION

- Notes on the Chrysomelidae from Taiwan I. 3755
- Solierella nitraria* sp. n. (Hym., Sphecidae). 3763
- A contribution to the genus *Mantis* Linne and *Paramantis*, nov. (Mantidae). 3768
- A new species of *Penthetria* from Japan (Diptera, Bibionidae). 3769
- On the identity of '*Dasythorax ogasawarae* Matsumura' (Lepidoptera, Noctuidae, Cuculliinae). 3777
- The neotropic species of *Xanthopimpla* (Hymenoptera: Ichneumonidae). 3782
- Sphecoidea from the Ryukyus and Formosa (Hymenoptera). 3783
- A new species of *Eriococcus* infesting American beach-grass in North Carolina (Homoptera: Coccoidea). 3785
- Studies of neotropical caddis flies. VIII: The immature stages of *Barypenthus claudens* (Trichoptera: Odontoceridae). 3818
- European species of the genus *Myospila* Rond. (Dipt., Muscidae). 3823
- Description of the larva of *Parena* (*Parena*) *perforata* (Bates), with some notes on its life history (Carabidae). 3825
- A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae). 3847
- Record of the moth ear mite, *Dicrocheles phalaenodectes*, in Ohio (Acarina: Mesostigmata). 3865
- Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3876
- Some important aspects of cotton insect control. 4044

INSECT METABOLISM

- Insect metabolism of photoaldrin and photodieldrin. 3837

INSECT MORPHOLOGY

- Geographic distribution of the ant genus *Formica* (Hymenoptera: Formicidae). 3750
- The larva of *Carabus* (*Hygrocarabus* Thoms.) *variolosus variolosus* Fabr. and its position in the larval system of genus *Carabus* L. (Coleoptera, carabidae). 3753
- Acalypta pulchra* sp. n.- A new species of Tingidae from Bulgaria. (Heteroptera, Tingidae). 3776
- A survey of leaf-miners and their parasites on *Laburnum*. 3797
- 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

- A contribution to the bionomics and morphology of *Rhadinoceraea reitteri* Knw. with a description of the larva. (Hym., Tenthredinidae). 3801

- Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera). 3802

- Structure and development of the imaginal wing discs of larva in a holometabolous insect, *Bombyx mori* (Lepidoptera, Bombycidae). 3806

- On the determination of age structure of the larvae of *Tendipedidae* (Diptera). 3813

- Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*. 3821

- Studies on the adult diapause of the broad bean weevil, *Bruchus rufimanus*. 3830

- A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae). 3847

- The influence of photoperiod and temperature on the induction of diapause in mulberry pyralid, *Glyphodes pyloalis* Walker. 3858

- Study of the morphogenesis of the maxillary stylet of *Rhodnius prolixus* by transplantations of incomplete stylogenetic organs. 3862

- Control systems in insect development. (abstract). 3872

- Bembecia pectinata* Stgr. and its first stages. (Lepidoptera, Sesiidae). 3873

- Phylogenetic relationships within the *Rhopalocera* on the basis of the functional morphology of the genital apparatus. 3878

- Effect of rearing condition on growth and development of the silkworm, *Bombyx mori* L., on artificial diet. II. 3882

- An electron microscope study of thoracic mitochondriac membranes in developing adults of the blowfly *Lucilia cuprina*. 3887

- Hereditary nature of the two forms of *Argyrogramma albostrigata* (Bremer and Grey) (Noc-tuidae, Plusiinae). 3898

INSECT MUTATION

- Mutation rates and mortalities after X-irradiation of the early development stages of *Drosophila melanogaster*. 3902

- An autosomal recessive gene in *Pyrrhocoris*. 3903

INSECT NAMES

- Morpho-systematic studies on *Collembola* Part 0i. Materials to a revision of the genus *Lepidocyrtus* Bourlet, 1839 (Entomobryidae s. l.). 3778

INSECT NUTRITION

- The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788

- The forage plants of *Rhagades pruni* Schiff. 3828

- Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843

- The effect of diet on the physiology of the brown-tail moth, *Euproctis chrysoorrhoea* L. (Lepidoptera, Liparidae). 3861

- Larval feeding habits of certain *Chloropidae* (Diptera). 3885

- 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. 3886

INSECT OUTBREAK FORECASTING

- Is it possible to predict apple moth infestations. 3868

- The present state of research and of the control of rice pests. 3924

- The importance of applied entomology for Austrian plant protection. 3926

INSECT PESTS

- What the practitioner should know about arthropods. 3740

- Studies on the insect fauna on Scotch broom *Sarothamnus scoparius* (L.) Wimmer. 3784

- Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgograd Province. 3795

- Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity. 3819

- A mite of the genus *Tydeus* (Acariformes, Tydeidae) that is a grape pest in Moldavia. 3846

- Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850

- Community studies on Hymenoptera found on *Brassica napus* L. Part III. Braconidae and Aphidiidae. 3853

- On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884

- Problem insects in 1967 - how to control them in 1968. 3891

- 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. 3911

- Crop rotation hygiene in grain cultures. 3912

- Insect control for garden vegetables. 3916

- The plant protection import controls in Bavaria. 3918

- Microbes and chemicals against plant pests. 3919

- Stretch your pest control dollars. 3922

- Supplement to the Plant Protection bulletin. 3923
- The present state of research and of the control of rice pests. 3924
- On the value of our birds. 3927
- Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930
- Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931
- Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932
- Diseases and parasites of the rose. 3956
- Disease and insect control in home orchards. 3983
- The peach twig borer and its control. 4032
- Bloodworms—pests of rice. 4037
- The oleander scale, *Pseudaulacaspis pentagona* (Targ.), (Homoptera, Coccidae) in Bermuda. 4043
- Regulating the shipment of living pests, pathogens and vectors. 4345
- INSECT PHYSIOLOGY**
- The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788
- Pinocytosis during vitellogenesis in the mealworm, *Tenebrio molitor* L. (Coleoptera, Tenebrionidae). 3789
- The excitation of insect skeletal muscles. 3791
- Reminiscence in the cold flour beetle (*Tenebrio molitor*). 3794
- 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
- Juvenile hormone: Activity of aromatic terpenoid ethers. 3805
- The effect of various biogenic amines on the activity of the foregut of the cockroach, *Blaberus giganteus*. 3811
- On the determination of age structure of the larvae of *Tendipedidae* (Diptera). 3813
- Temperature and circadian control of cuticle growth on the bug, *Oncopeltus fasciatus*. 3814
- Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815
- Structure and function of the giant fibre system in the cockroach, *Periplaneta americana*. 3817
- New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata). 3820
- Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*. 3821
- Early morphogenesis of tumours induced by *Nosema acridophagus* in *Melanoplus sanguinipes*. 3827
- Physiological and ultrastructural study of the corpora allata of *Locusta migratoria* L. (Orthoptera) in the gregarious phase. 3831
- On ocular regeneration in *Lithobius forficatus* L. (Myriopoda Chilopoda). 3832
- Effects of long-term cardiectomy-allatectomy on mitochondrial respiration in the cockroach, *Blaberus discoidalis*. 3836
- Insect metabolism of photoaldrin and photodieldrin. 3837
- Studies on sex pheromones of *Pyralidae*. Changes in the quality of the sex pheromone in the female almond moth, *Cadra cautella* Walker (Phycitinae). 3841
- Changes in gonads and primary sexual characters in triploid intersexes of *Drosophila melanogaster* (Diptera) exposed to the effect of different temperatures. 3842
- Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843
- The use of attractants in pest control. 2. Sex attractants. 3848
- Fundamental properties of intensity, form, and motion perception in the visual nervous systems of *Calliphora*, *phaenicia* and *Musca domestica*. 3849
- New data on the biology of caddisflies (Trichoptera, Limnephilidae, Apataniinae) of Lake Baikal. I. Life span and mass flight of adults. 3851
- Comparative studies of the development of *Plasmodium cynomolgi bastianellii* in *Anopheles stephensi* and *A. albimanus*. 3860
- The effect of diet on the physiology of the brown-tail moth, *Euproctis chrysorrhoea* L. (Lepidoptera, Liparidae). 3861
- Specificity of population-aggregating pheromones in *Dendroctonus*. 3863
- Innervation of the gut of the migratory locust, *Locusta migratoria* L. (Orthoptera, Acrididae). 3864
- Salt and water transport by the in vitro cockroach midgut. 3870
- Changes in the composition of lipids and fatty acids in adult *Culex tarsalis* and *Anopheles freeborni* during the overwintering period. 3871
- Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, *Bombyx mori*. 3875
- The hyperglycaemic activity of the corpus allatum in an insect. 3877
- Phylogenetic relationships within the Rhopalocera on the basis of the functional morphology of the genital apparatus. 3878
- Effect of rearing condition on growth and development of the silkworm, *Bombyx mori* L., on artificial diet. II. 3882
- An electron microscope study of thoracic mitochondrial membranes in developing adults of the blowfly *Lucilia cuprina*. 3887
- Honeybees: Do they use direction and distance information provided by their dancers. 3889
- Phagocytic haemocytes in unfixed *Galleria mellonella* larvae. 3890
- Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892
- INSECT POPULATIONS**
- The colonization of Lake Constance with *Chironomidae*. 3765
- Ecological and systematic investigations of the *Chironomidae* (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. 3766
- Remarks on fluctuations in density of *Carabidae* populations. 3824
- Community studies on Hymenoptera found on *Brassica napus* L. Part III. *Braconidae* and *Aphidiidae*. 3853
- Specificity of population-aggregating pheromones in *Dendroctonus*. 3863
- On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884
- INSECT PROTECTIVE DEVICES**
- Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. 3856
- Honeybees: Do they use direction and distance information provided by their dancers. 3889
- INSECT REARING**
- Studies on sex pheromones of *pyralidae*. II. Mass rearing of virgin females of the almond moth, *Cadra cautella* Walker (Phycitinae). 3880
- Effect of rearing condition on growth and development of the silkworm, *Bombyx mori* L., on artificial diet. II. 3882
- Hereditary nature of the two forms of *Argyrogramma albostrata* (Bremer and Grey) (Noctuidae, Plusiinae). 3898
- INSECT RESPIRATION**
- Effects of long-term cardiectomy-allatectomy on mitochondrial respiration in the cockroach, *Blaberus discoidalis*. 3836
- INSECT TAXONOMY**
- Studies on the *Crambinae* (Lepidoptera). Part 44. New Neotropical genera and species. Preliminary check-list of Neotropical *Crambinae*. 3741
- New *Perilampidae* (Hymenoptera: Chalcidoidea). 3742
- Contribution to the fauna of the Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. XLV. *Coleoptera Ochodaeidae*. 3745
- Climate and the phylogeny and distribution of *Tabanidae*. 3746
- Catalog of the *Coleoptera* of Angola. 3747
- Three new records of the genus *Phanaeus* from Georgia (Coleoptera: Scarabaeidae). 3748
- A new genus and two new species of *Cecidomyiidae* associated with *Pariana* spp. (Gramineae) in South America (Diptera). 3749
- A new click beetle of the genus *Agriotes* Esch. (Coleoptera, Elateridae) from Soviet central Asia. 3751
- Letters on leaf miners. 3752
- The larva of *Carabus* (*Hygrocarabus* Thoms.) *variolosus variolosus* Fabr. and its position in the larval system of genus *Carabus* L. (Coleoptera, carabidae). 3753

SUBJECT INDEX

INSECT TRAPS

A new species on neotropical seed weevil affecting pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae). 3756

A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae). 3757

Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowiecki. 3758

On the status of Cresson's *Stenophasmus* species from Cuba (Hymenoptera: Braconidae: Doryctinae). 3759

The palearctic species of *Megatoma* Herbst (Coleoptera, Dermestidae). 3760

Taxonomy and distribution of the palearctic *Nemopogon* species (Lepidoptera, Tineidae). 3761

Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera). 3762

Solierella nitraria sp. n. (Hym., Sphecidae). 3763

South American Cochyliidae (Lepidoptera) from the collection of the British Museum (Natural History). 3764

Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. 3766

A contribution to the genus *Mantis* Linne and *Paramantis*, nov. (Mantidae). 3768

A new species of *Penthetria* from Japan (Diptera, Bibionidae). 3769

On nocturnal darkling beetles of the genus *Melanesthes* Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan. 3772

The genus *Susana* Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773

Collembola fauna of Malta. 3774

The entomology of the Isle of Rhum National Nature Reserve. 3775

Acalypta pulchra sp. n.- A new species of Tingidae from Bulgaria. (Heteroptera, Tingidae). 3776

On the identity of '*Dasythorax ogasawarae* Matsumura' (Lepidoptera, Noctuidae, Cuculliinae). 3777

Morpho-systematic studies on *Collembola* Part 0i. Materials to a revision of the genus *Lepidocyrtus* Bourlet, 1839 (Entomobryidae s. l.). 3778

Three new species of Eriophyid mites (Acariformes: Eriophyidae, Rhyncaphytopitidae) from Poland. 3779

Taxonomic and nomenclatural notes on *Gonodonta obesa* (Walker) (Lepidoptera: Noctuidae). 3780

New distribution records for *Meropleon titan* Todd (Cepidoptera: Noctuidae). 3781

The neotropic species of *Xanthopimpla* (Hymenoptera: Ichneumonidae). 3782

Sphecoidea from the Ryukyus and Formosa (Hymenoptera). 3783

A new species of *Eriococcus* infesting American beach-grass in North Carolina (Homoptera: Coccoidea). 3785

Materials to the knowledge of the scale insects fauna of Yugoslavia (Homoptera, Coccoidea). 3786

New species of *Hypera* (Coleoptera, Curculionidae) from the Crimean Mountains. 3787

Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3786

INSECT TRAPS

Use of freshwater sponge in case construction of *Limnephilus* species (Trichoptera: Limnephilidae). 3810

Mexican fruit containment. 3879

Ticks of the National Reactor Testing Station. 4267

INSECT VECTORS

Food sources of some mosquito species in the natural focus of Tahyna virus in southern Moravia. 3854

Comparative studies of American and African Trypanosomiasis. 3908

Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967. 3938

The present state of grape culture virus research. 3948

A new virus disease of *Carica papaya* in India. 4005

Transmission of the virus component of the ragi (*Eleusine coracana*) disease-complex in Mysore, India. 4028

Plant virus diseases in Turkey which are transmitted by insect vectors. 4036

Aphids and virus in north Canterbury wheat, 1965-66 season. 4040

Insecticide granules and virus in autumn-sown wheat. 4041

Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary. 4167

Isolation of the tick-borne encephalitis virus from the squirrel *Sciurus vulgaris*. 4168

The natural occurrence of surra in the African longhaired fox. 4236

The finding of *Gongylonema pulchrum* Molin, 1857 (Nematoda) in man. 4278

Regulating the shipment of living pests, pathogens and vectors. 4345

INSECTICIDE APPLICATION

Problem insects in 1967 - how to control them in 1968. 3891

Corn earworm threatens snapbeans. 4031

The appearance of beet aphids in 1966. 4042

Some important aspects of cotton insect control. 4044

INSECTICIDE RESIDUES

Notice of filing of petition regarding pesticide chemicals. 4293

O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for pesticide chemical. 4294

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. 4297

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone. 4298

DDT residues in beef cows fed apple pomace. 4302

INSECTICIDE RESISTANT INSECTS

Protection of bees through the use of insecticides, harmless or only slightly dangerous to bees. 3803

Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859

Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867

Genetics of organophosphate resistance in the two-spotted spider mite (*Tetranychus urticae* Koch). 3905

Heterogeneity in the Trinidad DDT-RESISTANT strain and the QS susceptible strain of *Aedes aegypti* L. The isolation of highly resistant and highly susceptible substrains. 3907

INSECTICIDES

Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid. 3826

Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850

The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijima. Studies on the control of forest pests. V. 3857

On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884

Problem insects in 1967 - how to control them in 1968. 3891

Disease and insect control in home orchards. 3983

The peach twig borer and its control. 4032

Insecticide granules and virus in autumn-sown wheat. 4041

A note on the nematocidal properties of 'Sevin'. 4051

Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*). 4310

INSECTS

Letters on leaf miners. 3752

Controlling household pests. 3790

Insects and mites of livestock and in farm buildings. 3792

Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090

INSPECTION (AGRICULTURAL PRODUCTS)

The levels of Type II infection (Marek's disease) in 8-week-old chickens processed at dressing plants. (Abstract). 4231

INSULIN

Contribution to the study of the treatment of bovine ketosis. 4200

INTEGRATED CONTROL (INSECTS)

On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884

INTERNATIONAL COOPERATION

The training course of the European Plant Protection Organization in England. 3914

INTERSTATE COMMERCE

Duck virus enteritis (duck plague). Interstate movement. 4110

INTESTINES

Innervation of the gut of the migratory locust, *Locusta migratoria* L. (Orthoptera, Acrididae). 3864

Intestinal histology of vitamin A deficient chicks. (Abstract). 4113

Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213

Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251

A study of oesophagostomiasis, encountered in young buffaloes of Casertano. 4269

INTRADERMAL ALLERGIC TEST

Tests on laboratory animals and on tubercular cows in order to determine the value of the moruato cupric colloidal (gadusan) in the intradermal reaction. 4115

IODOPHORS

Effect of an iodophor on shelf life of poultry. (Abstract). 4238

IPS TYPOGRAPHICUS

Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799

IRON

Animal food composition. Patent 3,428,457. 4159

Use of chicks to measure availability of iron. (Abstract). 4220

Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks. 4257

IRON ISOTOPES

Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens. 4105

The anaemia of acute and chronic ovine fascioliasis. 4280

IRRADIATION

Effect of gamma-irradiation of late embryo on the growth of silkglands and on silk production in the silkworm, *Bombyx mori*. 3875

Mexican fruit containment. 3879

Mutation rates and mortalities after X-irradiation of the early development stages of *Drosophila melanogaster*. 3902

Relative viability of heterozygotes and homozygotes with respect to the irradiated chromosome in *Drosophila melanogaster*. 3906

The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with powdery mildew (*Erysiphe graminis* f. *tritici* DC March). 4009

Irradiated food: FDA blocks AEC, Army requests for approval. 4286

ISOLATES

Morphological variation in the sugarcane smut, *Ustilago scitaminea* Syd. 3920

Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk. 4288

ISOMERS

The efficacy of trans and cis vitamin A. (Abstract). 4158

ISOPROPOXYPHENYL N-METHYLCARBAMATE, 2-

O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for pesticide chemical. 4294

IXODIDAE

To the fauna of ixodid ticks of Mongolia. 3744

IXODIDES

Ticks of the National Reactor Testing Station. 4267

KALE

Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows. 4152

KETOSIS

Sodium propionate. Drugs for veterinary use; drug efficacy study implementation. 4175

Contribution to the study of the treatment of bovine ketosis. 4200

KIDNEY BEANS

Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response to ozone. 4326

KIDNEYS

Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorption with homogenized mouse kidney. 4124

A case of bilateral polycystic kidneys in a cat. 4137

KROMBEINIA EVANSI

Three species of Mexican *Krombeinia* having an elongated tegula with an extended apical angle (Hymenoptera: Tiphidae). 3793

KROMBEINIA NAYARITA

Three species of Mexican *Krombeinia* having an elongated tegula with an extended apical angle (Hymenoptera: Tiphidae). 3793

KROMBEINIA VERACRUZAE

Three species of Mexican *Krombeinia* having an elongated tegula with an extended apical angle (Hymenoptera: Tiphidae). 3793

LABELING

Regulating the shipment of living pests, pathogens and vectors. 4345

LABORATORY ANIMALS

Tests on laboratory animals and on tubercular cows in order to determine the value of the moruato cupric colloidal (gadusan) in the intradermal reaction. 4115

LABURNUM

A survey of leaf-miners and their parasites on Laburnum. 3797

LACTATION

Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows. 4152

LAMBS

Adipose tissue in calves and lambs. 4107

LAMPRONIA RUBIELLA

Raspberry moth. 4039

LARVAE

The larva of *Carabus* (*Hygrocarabus* Thoms.) *variolosus variolosus* Fabr. and its position in the larval system of genus *Carabus* L. (Coleoptera, carabidae). 3753

Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgograd Province. 3795

A contribution to the bionomics and morphology of *Rhadinoceraea reitteri* Knw. with a description of the larva. (Hym., Tenthredinidae). 3801

Structure and development of the imaginal wing discs of larva in a holometabolous insect, *Bombyx mori* (Lepidoptera, Bombycidae). 3806

On the determination of age structure of the larvae of Tendiridae (Diptera). 3813

Description of the larva of *Parena* (*Parena*) *perforata* (Bates), with some notes on its life history (Carabidae). 3825

Leaf beetle larvae of the subfamily Eumolpinae and of *Syneta betulae* F. (Coleoptera, Chrysomelidae). 3840

A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae). 3847

Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. 3856

Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria testacea*. 3881

Larval feeding habits of certain Chloropidae (Diptera). 3885

Phagocytic haemocytes in unfixed *Galleria mellonella* larvae. 3890

Bloodworms--pests of rice. 4037

Brief communication on the occurrence of thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic. 4273

LASIOCAMPIDAE

Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria testacea*. 3881

LEAF MINERS

Letters on leaf miners. 3752

LEAF RUST

Air-borne rust inoculum over western Canada in 1968. 3962

Fungicides for Arabica coffee 17--relationships among some new fungicides, leaf rust (*Hemileia vastatrix*), leaf fall and yield. 3967

Leaf rust of wheat in Canada in 1968. 3999

Field evaluation of some fungicides for control of leaf and stem rusts of wheat. 4006

LEAF SPOT

A new leaf spot of para rubber (*Hevea brasiliensis*) in Nigeria. 3936

Fruit disease problems and new approaches to their controls. 3975

SUBJECT INDEX

- LEAVES**
- LEAVES**
Leaf beetle larvae of the subfamily Eumolpinae and of *Syneta betulae* F. (Coleoptera, Chrysomelidae). 3840
- Aglaonema pictum*, a new host of *Erwinia chrysanthemi*. 3982
- LEGISLATION**
The importance of applied entomology for Austrian plant protection. 3926
- New ways for organizing the cooperation between plant protection services and apiculturists. 3929
- The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany. 4347
- LEGS**
Relationship of biotin to leg weakness in turkeys. (Abstract). 4161
- LEPIDOPTERA**
Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowiecki. 3758
- South American Cochylidae (Lepidoptera) from the collection of the British Museum (Natural History). 3764
- Supplementary communication concerning the occurrence of *Caradrina kadenii* Fr. (Lep.Noct.) in Switzerland. 3771
- A survey of leaf-miners and their parasites on *Laburnum*. 3797
- Bembecia pectinata* Stgr. and its first stages. (Lepidoptera, Sesiidae). 3873
- LEPTOSPHAERIA**
Studies of *Leptosphaeria avenaria* f. sp. *triticea* on wheat in North Dakota. 3970
- LEPTOSPIRA**
Purification, ultrastructure, and composition of axial filaments from *Leptospira*. 4188
- LEPTOSPIROSIS**
Leptospirosis in Argentina. Diffusion, morbidity and nosological map. 4127
- LESIONS**
The pathology of avian osteodystrophy. (Abstract). 4136
- Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147
- Pathogenesis of infectious synovitis in gnathobiotic chickens. (Abstract). 4165
- LETTUCE**
Longidorus africanus a pathogen of head lettuce in the Imperial Valley of southern California. 4054
- Experiences with residue research in lettuce. 4291
- LEUCINE**
Growth depressing effect of excess leucine in relation to the amino acid composition of the diet. (Abstract). 4187
- LEUCOPTERA COFFEELLA**
Mating and oviposition behavior of the coffee leaf miner, *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). 3888
- LEUKEMIA**
C-type viral particles in plasma of cats with feline leukemia. 4164
- LEUKOSIS**
Investigations on the occurrence of bovine leukosis in the county of Oldenburg, including the city of Delmenhorst and the metropolitan area of Oldenburg. 4254
- LIFE CYCLE**
Significance of the parasite *Aphidius ervi* Haliday (Braconidae, Hymenoptera) in controlling the density of population of *Acyrtosiphon pisum* Harris. 3839
- A contribution to the study of the pemphigose of poplars and its pathogen *Pamphigus spirothecae*. 4035
- LIGHT**
Insect metabolism of photoaldrin and photodieldrin. 3837
- Electrifying agriculture and horticulture. 3921
- LIGHT TRAPS**
The use of attractants in pest control. 2. Sex attractants. 3848
- LIMNIPHILIDAE**
Use of freshwater sponge in case construction of *Limnephilus* species (Trichoptera: Limnephilidae). 3810
- LIMNOLOGY**
Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. 3766
- LINARIA VULGARIS**
Now can you spot those weeds. 4059
- LINDANE**
The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijima. Studies on the control of forest pests. V. 3857
- Diseases and parasites of the rose. 3956
- Raspberry moth. 4039
- Some remarks on plant protection preparation-tolerances. 4292
- LINOLEIC ACID**
Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123
- The linoleic acid requirement of the hen for reproduction. (Abstract). 4192
- LINURON**
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
- LIPASES**
Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261
- LIPIDS**
The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788
- Changes in the composition of lipids and fatty acids in adult *Culex tarsalis* and *Anopheles freeborni* during the overwintering period. 3871
- Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892
- Lipids of *Drosophila*: A newly detected lipid in the male. 3895
- Disinfection in parasitoses. 4148
- Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261
- LIRIOMYZA**
Letters on leaf miners. 3752
- LIVER**
Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213
- Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements. 4301
- LIVESTOCK**
Insects and mites of livestock and in farm buildings. 3792
- Notes on toxicology: The clover. 4122
- Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141
- Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
- LIVESTOCK DISEASES**
22 plants poisonous to livestock in the Western United States. 4109
- Enterotoxaemia of calves evoked by *Clostridium perfringens* type B. 4114
- Tests on laboratory animals and on tubercular cows in order to determine the value of the moruato cupric colloidal (gadusan) in the intradermal reaction. 4115
- Contribution to the study of bovine mastitis due to fungi. 4125
- Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction. 4126
- Leptospirosis in Argentina. Diffusion, morbidity and nosological map. 4127
- Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum. 4132
- Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141
- Disinfection in parasitoses. 4148
- Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows. 4152
- Towards the eradication of bovine tuberculosis. 4172
- Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
- Sodium propionate. Drugs for veterinary use; drug efficacy study implementation. 4175
- Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176
- Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186
- 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. 4191
- The mycotic abortions in the cow. 4194
- Contribution to the study of the treatment of bovine ketosis. 4200
- A survey of Brucella infection of cattle in Kenya. A comparison of four serological tests for the diagnosis of infection. 4202
- Epithelial changes in porcine exudative epidermitis; the light-microscopical picture. 4208
- A contribution to the prophylactic use of Gammatonin in calves. 4209
- Observations on septicemia of cattle caused by a Haemophilus-like organism. 4211
- Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227
- The importance of brucellosis infection in regard to human health. 4237
- A contribution to the salmonellosis of cattle and its therapy. 4243
- Investigations on the occurrence of bovine leucosis in the county of Oldenburg, including the city of Delmenhorst and the metropolitan area of Oldenburg. 4254
- Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260
- The anaemia of acute and chronic ovine fascioliasis. 4280
- Studies on the epizootology of gastrointestinal helminths in calves. 4281
- Comparative toxicology of organic and inorganic arsenicals in swine. 4306
- Locoweed toxicity in horses. 4312
- LIZARDS**
The oleander scale, *Pseudaulacaspis pentagona* (Targ.), (Homoptera, Coccidae) in Bermuda. 4043
- LOCUSTA MIGRATORIA**
Physiological and ultrastructural study of the corpora allata of *Locusta migratoria* L. (Orthoptera) in the gregarious phase. 3831
- Innervation of the gut of the migratory locust, *Locusta migratoria* L. (Orthoptera, Acrididae). 3864
- LODGING**
Lodging resistance in wheat. II. Identification of superior genetic stocks. 3977
- LONGIDORUS AFRICANUS**
Longidorus africanus a pathogen of head lettuce in the Imperial Valley of southern California. 4054
- LOOSE SMUT**
Virulence of various groups of loose smut of barley, (*Ustilago nuda* (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978
- LOPHODERMIIUM DURILABRUM**
Lophodermium durilabrum found on foxtail pine in California. 3986
- LOPHODERMIIUM PINASTRI**
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. 3979
- LUCILIA CUPRINA**
An electron microscope study of thoracic mitochondrial membranes in developing adults of the blowfly *Lucilia cuprina*. 3887
- LUNGS**
Experiments on the loss of *Dictyocaulus filaria* from the lungs of infected sheep. II. The demonstration of worms in the bronchial spare mucus. 4276
- Proceedings of the American College of Veterinary Toxicologists, 1967. 4309
- LYMANTRIIDAE**
The effect of diet on the physiology of the brown-tail moth, *Euproctis chryorrhoea* L. (Lepidoptera, Liparidae). 3861
- LYMPH NODES**
Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213
- LYONETIIDAE**
A survey of leaf-miners and their parasites on *Laburnum*. 3797
- Mating and oviposition behavior of the coffee leaf miner, *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). 3888
- LYSINE**
Effect of methionine on a growth depression induced by supplementing a corn-soybean meal diet with lysine. 4151
- Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219
- Lysine requirement of the growing chick. (Abstract). 4233
- Imbalanced lysine feeds for starting or growing chicks. 4234
- Low lysine diets for rearing replacement pullets. (Abstract). 4249
- Lysine levels on chick growth and nitrogen utilization. (Abstract). 4264
- MACROPHAGES**
Penetration and development of *Eimeria maxima* sporozoites and the static effect of decoquinate. (Abstract). 4128
- MAGNESIUM**
Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens. 4105
- Dietary magnesium requirement of the laying hen. (Abstract). 4155
- MAGNESIUM SULFATE**
Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867
- MALACOSOMA NEUSTRIA**
Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria testacea*. 3881
- MALATHION**
Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
- Insect control for garden vegetables. 3916
- MALEIC HYDRAZIDE**
Field observations on effectiveness of maleic hydrazide applied to onions by helicopter. 4327
- MALIC ACID**
Oxidation of D-malic and beta-alkylmalic acids by wild-type and mutant strains of *Salmonella typhimurium* and by *Aerobacter aerogenes*. 4240
- MALLOPHAGA**
Mallophaga of domestic chickens from Cuba. 4268
- MALPIGHIAN TUBES**
Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria testacea*. 3881
- MAMMALS**
Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095
- MANDUCA SEXTA**
Vitamin A deficiency: Effect on retinal structure of the moth, *Manduca sexta*. 3807
- MANTIDAE**
A contribution to the genus *Mantis* Linne and *Paramantis*, nov. (Mantidae). 3768
- MASS SPECTRA**
A new antibiotic produced by a strain of *Aspergillus flavipes*. 4334
- MASTITIS**
Contribution to the study of bovine mastitis due to fungi. 4125
- MATRICARIA INODORA**
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. 4085
- MATSUCOCCUS FEYTAUDI**
The attraction to *Pissodes notatus* (Col. Curculionidae) of the wounds formed by *Matsucoccus feytaudi* Duc. (Hom. Coccoidea) on maritime pine. 4034
- MAZZARD CHERRIES**
Pseudomonas syringae infection of sweet cherry fruit in Utah. 3934
- MCINTOSH DEPRESSION VIRUS**
A transmissible fruit-depression disease of McIntosh apples. 3991
- MEAT**
Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843
- DDT residues in beef cows fed apple pomace. 4302
- MEGATOMA**
The palearctic species of *Megatoma* Herbst (Coleoptera, Dermestidae). 3760
- MEIOSIS**
Meiosis in the male of *Puto albicans* (Coccoidea-Homoptera). 3894
- The non-random chromosome segregation in spermatocytes of *Gryllotalpa hexadactyla*. A micromanipulation analysis. 3896
- Chromosomes of the cereal leaf beetle. 3900
- MELANESTHES**
On nocturnal darkling beetles of the genus *Melanesthes* Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan. 3772
- MELANOPLUS SANGUINIPES**
Early morphogenesis of tumours induced by *Nosema acridophagus* in *Melanoplus sanguinipes*. 3827

SUBJECT INDEX

MELANOSE

MELANOSE

Melanose of citrus. 3988

MELDANE

Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272

MELENGESTROL ACETATE

Effect of MGA on body weight, body fat and fatty acid composition of chickens. (Abstract). 4224

MELOIDOGYNE HAPLA

Life cycle and reproduction of Meloidogyne hapla on potato. 4052

MELOIDOGYNE INCOGNITA

Overwintering of Meloidogyne incognita in southwestern Ontario. 4047

MENADIONE

The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract). 4130

MEROPLEON TITAN

New distribution records for Meropleon titan Todd (Cepidoptera: Noctuidae). 3781

MESOSTIGMATA

Record of the moth ear mite, Dicrocheles phalaenodectes, in Ohio (Acarina: Mesostigmata). 3865

METABOLISM

The anabolic steroids and their use in veterinary therapeutics. 4099

Oxidation of D-malic and beta-alkylmalic acids by wild-type and mutant strains of Salmonella typhimurium and by Aerobacter aerogenes. 4240

Strontium metabolism in hens. (Abstract). 4258

Digitalin metabolism in cardiac insufficiency of the dog. 4307

The influence of antibiotics on mineral metabolism. 4313

METACERCARIA

Minimum time for development and life span of metacercariae. 4270

METAMORPHOSIS

Structure and development of the imaginal wing discs of larva in a holometabolous insect, Bombyx mori (Lepidoptera, Bombycidae). 3806

METHANOL

Low temperature sprays for Dutch elm disease control. 3957

METHIONINE

Effect of energy-protein balance, energy intake and methionine on growth and body composition of ducklings. (Abstract). 4140

Effect of methionine on a growth depression induced by supplementing a corn-soybean meal diet with lysine. 4151

Sulfur amino acid requirement of laying hens. (Abstract). 4156

Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219

Specificity of the chick's requirement for choline. (Abstract). 4221

METHODOLOGY

Comparative studies of American and African Trypanosomiasis. 3908

Effective methods for the use of herbicides in combination with the mineral fertilizers. In: Col-

lection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4085

Current status of methods for identifying pesticides, a survey. (JPRS 32,031) 4303

Field observations on effectiveness of maleic hydrazide applied to onions by helicopter. 4327

The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method. 4343

METHOXYCHLOR

Insect control for garden vegetables. 3916

Low temperature sprays for Dutch elm disease control. 3957

METHYL BROMIDE

Soil fumigation at Boskoop. 3925

Fumigation and reuse of broiler litter. (Abstract). 4222

METHYL ISOTHIOCYANATE

Soil fumigation at Boskoop. 3925

METHYL-4-CHLOROPHENOXY)BUTYRIC ACID, 4-(2- Perennial bindweeds. 4074

METHYL-4-CHLOROPHENOXYACETIC ACID, 2- Ragwort. 4073

Perennial bindweeds. 4074

METHYLACETOPHENONE, 4'

Study on attractant of the rice stem borer, Chilo suppressalis Walker. 3835

METHYRIDINE

Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272

METRITIS

Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173

MICE

Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorption with homogenized mouse kidney. 4124

Toxoplasma infection: Some factors possibly contributing to the mechanism of toxoplasmic infection. 4189

The animal adenoviruses. 4217

MICROBIOLOGY

Observations on septicemia of cattle caused by a Haemophilus-like organism. 4211

MICRONUTRIENTS

Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974

Micronutrients: The secret of better yields for farmers. 3976

The effects of increasing molybdenum rates on building of dry material of clover. 4322

MICROORGANISMS

Mortality of mature beetles Ips typographus (L.) (Col., Scolytidae) in the galleries and its causes. 3799

On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884

The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014

From the realm of microorganisms. Some interesting structures of plant microorganisms. 4026

MICROSCOPY

Epithelial changes in porcine exudative epidermitis; the light-microscopical picture. 4208

MICROSPORIDIA

Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. 3844

MICROTERTYS CLAUSENI

Microterys clauseni Compere (Hym.: Encyrtidae). 3796

MILK

Insects and mites of livestock and in farm buildings. 3792

Isolation of the tuberculosis bacillus through electrophoresis in artificially contaminated milk. 4288

Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals. 4300

MILK ANALYSIS

Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals. 4300

MILK FEVER Milk fever in the dog. 4262

MINERALS 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. 4085

The influence of antibiotics on mineral metabolism. 4313

MITES What the practitioner should know about arthropods. 3740

Insects and mites of livestock and in farm buildings. 3792

A mite of the genus Tydeus (Acariformes, Tydeidae) that is a grape pest in Moldavia. 3846

MITOCHONDRIA Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815

Effects of long-term cardiectomy-allatectomy on mitochondrial respiration in the cockroach, Blaberus discoidalis. 3836

An electron microscope study of thoracic mitochondrial membranes in developing adults of the blowfly Lucilia cuprina. 3887

MITOSIS Endomitosis in the mealy bug, Planococcus citri (Homoptera: Coccoidea). 3901

Chemical regulators in horticulture. 4333

MOLECULES Molecular order of participation of inhibitors (or activators) in biological systems. 4339

MOLYBDENUM Changes in insecticide sensitivity in the bean weevil Acanthoscelides obtectus Say, brought about by induced pigment formation. 3867

- The effects of increasing molybdenum rates on building of dry material of clover. 4322
- MONKEYS**
The animal adenoviruses. 4217
- MORPHOLOGY**
Early morphogenesis of tumours induced by *Nosema acridophagus* in *Melanoplus sanguinipes*. 3827
Contribution to the study of oligosporic Actinomycetes. I. Description of a new species of *Actinobifida*: *Actinobifida alba* sp. nov. and revision of the genus. 3980
Purification, ultrastructure, and composition of axial filaments from *Leptospira*. 4188
On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235
- MORTALITY**
Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799
On the effect of combined action of pathogenic microorganisms and insecticides upon insects. 3884
22 plants poisonous to livestock in the Western United States. 4109
Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147
Fumigation and reuse of broiler litter. (Abstract). 4222
Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood. 4305
- MOSAIC**
Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infectivity. 3944
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* Hort. 3959
Broad-bean stain and true broad-bean mosaic virus. 3960
Multiplication of tobacco mosaic virus in suspension culture of tobacco cells. 3987
Effects of tobacco mosaic virus on the phosphorus metabolism of *Nicotiana xanthi* n. c. 4000
The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014
Transmission of the virus component of the ragi (*Eleusine coracana*) disease-complex in Mysore, India. 4028
- MOTHS**
Problem insects in 1967 - how to control them in 1968. 3891
- MOUTH PARTS**
Study of the morphogenesis of the maxillary stylet of *Rhodnius prolixus* by transplantations of incomplete stylogenic organs. 3862
- MOWING**
Chemical control of annual bluegrass as related to vertical mowing. 4091
- MURAMIDASE**
Lysozyme in the humoral defense mechanism of specifically and non-specifically immunized insect larvae. 3856
- MUSCA DOMESTICA**
Isolation and characterization of ribonucleic acid from *Musca domestica* (L.). 3798
The effect of essential amino acid deficiency on the sex-specific accumulation of a blood protein in female house-flies (*Musca domestica* L.). 3804
Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid. 3826
Fundamental properties of intensity, form, and motion perception in the visual nervous systems of *Calliphora*, *phaenicia* and *Musca domestica*. 3849
Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
Effects of apholate on the bionomics of *Musca domestica* *nebulosa* 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-1-phosphate by insect flight-muscle mitochondria. 3815
- MUSCULAR DYSTROPHY**
Dietary amino acids and muscular dystrophy. (Abstract). 4203
- 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. 4248
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). 4134
- MYCOPLASMA GALLISEPTICUM**
Hemagglutinins induced in chickens with *Mycoplasma gallisepticum* infection. (Abstract). 4108
- 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. (Abstract). 4212
- MYCOPLASMA MELEAGRIDIS**
Experimental control *Mycoplasma meleagridis* in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118
Control of *Mycoplasma meleagridis* infection in turkeys. (Abstract). 4171
The use of serologic methods for the control of *Mycoplasma meleagridis* in turkeys. (Abstract). 4198
Field significance of *Mycoplasma meleagridis* infection. (Abstract). 4214
Persistence 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. 3913
- NARCOTICS**
Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316
- NATURAL CONTROL (INSECTS)**
On the value of our birds. 3927
- NEMAPOGON LEVANTINUS**
Taxonomy and distribution of the palearctic *Nemapogon* species (Lepidoptera, Tineidae). 3761
- NEMAPOGON ORIENTALIS**
Taxonomy and distribution of the palearctic *Nemapogon* species (Lepidoptera, Tineidae). 3761
- NEMATOCIDES**
A note on the nematocidal properties of 'Sevin'. 4051
Nematodes are destructive to your plants. 4053
Control of the citrus nematode, *Tylenchulus semipenetrans*, with 1,2-dibromo-3-chloropropane 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. 4052
- NEMATODE POPULATIONS**
Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at Bab near Nitra. 4055
- NEMATODES**
Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799
Nematodes associated with bananas in the Windward Islands. 4048

SUBJECT INDEX

NEMATOTOLOGY

- Notice of filing of petition for food additive nitrodan. 4144
- A study of oesophagostomiasis, encountered in young buffaloes of Casertano. 4269
- Flaphostromylus cervi Cameron, 1931 in the central nervous system of red deer (*Cervus elaphus*). 4271
- Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
- Experiments on the loss of *Dictyocaulus filaria* from the lungs of infected sheep. II. The demonstration of worms in the bronchial spare mucus. 4276
- An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- The finding of *Gongylonema pulchrum* Molin, 1857 (Nematoda) in man. 4278

NEMATOTOLOGY

- The importance of applied entomology for Austrian plant protection. 3926

NEOPLASMS

- Early morphogenesis of tumours induced by *Nosema acridophagus* in *Melanoplus sanguinipes*. 3827
- Spontaneous tumors of the brain in rats: A report of 3 cases. 4121
- Proteins before and after inoculation with RSV. (Abstract). 4153
- A meningioma in a cat associated with erosion of the skull. 4154
- Spontaneous tumors in Holtzman-source rats of various ages. 4226
- Avian virus-induced tumors. 4242
- Investigations concerning the ultrastructure and etiology of the mast cell tumors in the dog. 4259

NEOTROPICAL REGION

- A new species on neotropical seed weevil affecting pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae). 3756
- The neotropic species of *Xanthopimpla* (Hymenoptera: Ichneumonidae). 3782
- Studies of neotropical caddis flies. VIII: The immature stages of *Barypenthus claudens* (Trichoptera: Odontoceridae). 3818

NERVES

- Structure and function of the giant fibre system in the cockroach, *Periplaneta americana*. 3817
- On ocular regeneration in *Lithobius forficatus* L. (*Myriopoda Chilopoda*). 3832

NERVOUS SYSTEM

- Structure and function of the giant fibre system in the cockroach, *Periplaneta americana*. 3817
- Fundamental properties of intensity, form, and motion perception in the visual nervous systems of *Calliphora*, *phaenicia* and *Musca domestica*. 3849
- Innervation of the gut of the migratory locust, *Locusta migratoria* L. (Orthoptera, Acrididae). 3864

NESTING HABITS

- Some biological notes on *Bombus ignitus* Smith with special reference to the nest structure (Hym. Apidae). 3834

NEUROLOGY

- The excitation of insect skeletal muscles. 3791

NEWCASTLE DISEASE

- 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

NEWCASTLE DISEASE VIRUS

- Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic relationships and cellular affinities. 4116
- The interaction of a nonpathogenic *Mycoplasma* sp. (TU) with *Mycoplasma gallisepticum*, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134

NICARBAZIN

- Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. 4174

NICOTINE

- Insect control for garden vegetables. 3916
- Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*). 4310

NITRATES

- Environmental nitrates and animal health. 4315

NITRO-4-HYDROXYPHENYLARSONIC ACID, 3-

- Notice of filing of petition for food additives. 4143

NITRODAN

- Notice of filing of petition for food additive nitrodan. 4144

NITROFURAZONE

- Effect of nitrofurazone and furazolidone on reproduction in chickens. 4169

NITROGEN

- Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933
- Effect of *Sclerospora graminicola* infection on total nitrogen content and free amino acid composition of Bajra plants. 3995

- Possibilities for *Botrytis cinerea* control, especially in tomatoes. 4019

- Amino acids and isonitrogenous turkey starter diets. (Abstract). 4207

- Lysine levels on chick growth and nitrogen utilization. (Abstract). 4264

- Effect of storage on cottonseed and cottonseed products. 4283

NITROVIN

- Payzone nitrovin-A new growth promoter for poultry. (Abstract). 4101

NOCTUIDAE

- Conodontis peplaria* Geyer, a noctuid, not a geometrid (Lepidoptera). 3762

- Supplementary communication concerning the occurrence of *Caradrina kadenii* Frr. (Lep.Noct.) in Switzerland. 3771

- On the identity of '*Dasythorax ogasawarae* Matsumura' (Lepidoptera, Noctuidae, Cucullinae). 3777

- Taxonomic and nomenclatural notes on *Gonodonta obesa* (Walker) (Lepidoptera: Noctuidae). 3780

- Problem insects in 1967 - how to control them in 1968. 3891

- Hereditary nature of the two forms of *Argyrogramma albostrata* (Bremer and Grey) (Noctuidae, Plusiinae). 3898

- Insect control for garden vegetables. 3916

NOMENCLATURE

- Conodontis peplaria* Geyer, a noctuid, not a geometrid (Lepidoptera). 3762

- On nocturnal darkling beetles of the genus *Melanesthes* Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan. 3772

- Taxonomic and nomenclatural notes on *Gonodonta obesa* (Walker) (Lepidoptera: Noctuidae). 3780

NOSEMA ACRIDOPHAGUS

- Early morphogenesis of tumours induced by *Nosema acridophagus* in *Melanoplus sanguinipes*. 3827

NOZZLES

- What you should know about concentrate spraying. 4342

NUCLEOTIDES

- Isolation and characterization of ribonucleic acid from *Musca domestica* (L.). 3798

NURSERIES

- Spore dispersal by *Scleroderma lagerbergii* under nursery and plantation conditions. 4007

NURSERY STOCK (HORTICULTURE)

- Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346

NUTRIENT SOLUTIONS (PLANTS)

- Fusarium* wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974

- Breeding and propagation of virus-free grapes in hydroponic cultures. 4045

NUTS

- Weed control in fruits and nuts. 4070

NYCTERIBIIDAE

- Faunal and ecological study on the families Nycteribiidae and Streblidae (Dipt., Pupipara) of the Nangahar Province (Eastern Afghanistan). 3829

NYGMIA PHAEORRHOEA

- The effect of diet on the physiology of the brown-tail moth, *Euproctis chrysoorrhoea* L. (Lepidoptera, Liparidae). 3861

NYSTATIN

- Nystatin for feed formulation. Drugs for veterinary use. drug efficacy study implementation. 4179

OATS

- Crown rust of oats in Canada in 1968. 3958

- O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for pesticide chemical. 4294

ODONATA

- New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata). 3820

ODONTOCERIDAE

- Studies of neotropical caddis flies. VIII: The immature stages of *Barypenthus claudens* (Trichoptera: Odontoceridae). 3818

- OESOPHAGOSTOMIASIS**
A study of oesophagostomiasis, encountered in young buffaloes of Casertano. 4269
- OESOPHAGOSTOMUM RADIATUM**
A study of oesophagostomiasis, encountered in young buffaloes of Casertano. 4269
- OILS**
Prevention of the spread of non-persistent plant viruses by oil spraying. 3963
Comparison of attenuated live *Pasteurella multocida* given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117
- OLEANDOMYCIN**
Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements. 4301
- OLEIC ACID**
Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). 4250
- OLETHREUTIDAE**
Natural enemies of *Laspeyresia pomonella* L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity. 3819
- OLFACTOMETERS**
Study on attractant of the rice stem borer, *Chilo suppressalis* Walker. 3835
- OLFACTORY RESPONSES**
Specificity of population-aggregating pheromones in *Dendroctonus*. 3863
- OLIVES**
Discovery and distribution of *Fusicoccum canker* of Russian olive in Illinois. 3950
- ONCOPELTUS FASCIATUS**
Juvenile hormone: Activity of aromatic terpenoid ethers. 3805
Temperature and circadian control of cuticle growth on the bug, *Oncopeltus fasciatus*. 3814
- ONIONS**
Host resistance reflected in differential nematode population structures. 4058
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 International Herbicide Conference, Prague, June 21-24, 1966. 4081
Field observations on effectiveness of maleic hydrazide applied to onions by helicopter. 4327
- ONOCLEA SENSIBILIS**
New antheridiogen from the fern *Onoclea sensibilis*. 4325
- OOGENESIS**
The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of *Drosophila melanogaster*. 3897
- ORANGES**
Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331
- ORCHARDS**
Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331
- ORGANIC COMPOUNDS**
Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850
- Current status of methods for identifying pesticides, a survey. (JPRS 32,031) 4303
- Comparative toxicology of organic and inorganic arsenicals in swine. 4306
- Proceedings of the American College of Veterinary Toxicologists, 1967. 4309
- ORGANOPHOSPHORUS COMPOUNDS**
Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
Genetics of organophosphate resistance in the two-spotted spider mite (*Tetranychus urticae* Koch). 3905
Current status of methods for identifying pesticides, a survey. (JPRS 32,031) 4303
Organic phosphate poisoning of sheep in Skull Valley, Utah. 4304
- ORIBATEI**
What the practitioner should know about arthropods. 3740
- ORNAMENTAL PLANTS**
Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930
Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931
Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932
Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010
Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011
Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012
Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013
The development of chemical weed control in ornamental plants in fields. 4063
- ORNAMENTAL TREES**
A survey of leaf-miners and their parasites on *Laburnum*. 3797
- OROBANCHE**
Control of *Orobancha* under natural and artificially infested conditions. 4068
- ORTHOPTERA**
On the Orthopterous fauna in the south of the Krasnoyarsk Territory. 3754
- OSTEODYSTROPHY**
The pathology of avian osteodystrophy. (Abstract). 4136
- OULEMA MELANOPUS**
Chromosomes of the cereal leaf beetle. 3900
- OVARIAN CYSTS**
Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186
- OVIPOSITION**
Mating and oviposition behavior of the coffee leaf miner, *Leucoptera coffeella* (Lepidoptera: Lyonetiidae). 3888
- OXALIC ACID**
Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria* testacea. 3881
- OXIDATION**
Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815
- OXYGEN**
Molecular order of participation of inhibitors (or activators) in biological systems. 4339
- OXYTETRACYCLINE**
Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
- OXYTROPIS**
Locoweed toxicity in horses. 4312
- OZONE**
Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response to ozone. 4326
- PALMITIC ACID COMPOUNDS**
Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892
- PANCREAS**
Oral therapy of diabetes mellitus in dogs with Glycodiazin. 4160
Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261
- PANONYCHUS ULMI**
Problem insects in 1967 - how to control them in 1968. 3891
- PAPAYAS**
Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971
A new virus disease of *Carica papaya* in India. 4005
- PARACOLOBACTRUM ARIZONAE**
Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
- PARAINFLUENZA**
Polyvalent parainfluenza CF antigen for serodiagnosis. 4166
- PARAQUAT**
Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086
- PARASITES**
Studies on the life history and biological control of the spittlebug, *Clastoptera undulata* Uhler (Cercopidae: Hemiptera). 3802
Comparative studies of American and African Trypanosomiasis. 3908
- PARASITIC INSECTS**
New Perilampidae (Hymenoptera: Chalcidoidea). 3742
Microterys clauseni Compere (Hym.: Encyrtidae). 3796
A survey of leaf-miners and their parasites on *Laburnum*. 3797
Review of the parasitic Diptera of the genus *Eriothrix* meigen (Diptera, Tachinidae) in the USSR. 3838
Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. 3844

SUBJECT INDEX

PARASITISM

- Community studies on Hymenoptera found on Brassica napus L. Part III. Braconidae and Aphidiidae. 3853
- Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3876
- Ticks of the National Reactor Testing Station. 4267
- PARASITISM**
- Contributions to the knowledge of Analgesoidea of Czechoslovakia. 3743
- Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799
- Parasites of ladybirds (Coleoptera, Coccinellidae) in Leningrad Province. 3844
- Comparative studies of the development of *Plasmodium cynomolgi bastianellii* in *Anopheles stephensi* and *A. albimanus*. 3860
- The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029
- The oleander scale, *Pseudaulacaspis pentagona* (Targ.), (Homoptera, Coccidae) in Bermuda. 4043
- Control of Orobanche under natural and artificially infested conditions. 4068
- Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141
- Disinfection in parasitoses. 4148
- An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections. 4183
- Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251
- Minimum time for development and life span of metacercariae. 4270
- Brief communication on the occurrence of thelaciae pathogens of an enzootic eye disease in cattle in the German Democratic Republic. 4273
- Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Coumaphos. 4274
- Fish as observed hosts of *Ascarids*--their significance in regard to man's health. 4275
- An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- The anaemia of acute and chronic ovine fascioliasis. 4280
- PARATEPHRITIS TRANSITORIA**
- Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory. 3833
- PARATHION**
- The San Jose scale a pest of ornamental shrubs. 4033
- Some remarks on plant protection preparation-tolerances. 4292
- PARENA PERFORATA**
- Description of the larva of *Parena* (*Parena*) *perforata* (Bates), with some notes on its life history (Carabidae). 3825

- PARIANA**
- A new genus and two new species of Cecidomyiidae associated with *Pariana* spp. (Gramineae) in South America (Diptera). 3749
- PASTEURELLA MULTOCIDA**
- Comparison of attenuated live *Pasteurella multocida* given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117
- PATENTS**
- Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850
- Animal food composition. Patent 3,428,457. 4159
- Prosphanilic acid derivatives. Patent 3,442,938. 4335
- Halobenzyl carbamates. Patent 3,442,892. 4336
- Process for the production of substituted triazines. Patent 3,428,636. 4337
- Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338
- Phytotoxic alpha-halo-acetanilides. Patent 3,442,945. 4340
- Pesticidal uses of thiosubstituted phenols. Patent 3,443,012. 4341
- PATHOGENESIS**
- Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215
- PEACHES**
- Current status on chemical thinning of peaches and pears in Michigan. 3913
- This may be the year for spray thinning. 3917
- PEANUTS**
- Biology of the fungus *Aspergillus flavus* Link and its infectivity to plants and animals. 3973
- Studies on weed control in groundnut (*Arachis hypogaea*) - a review. 4082
- PEARLMILLET**
- Effect of *Sclerospora graminicola* infection on total nitrogen content and free amino acid composition of Bajra plants. 3995
- PEARS**
- Current status on chemical thinning of peaches and pears in Michigan. 3913
- This may be the year for spray thinning. 3917
- Supplement to the Plant Protection bulletin. 3923
- Comparative interactions of *Erwinia carotovora* and *Erwinia amylovora* with pear and potato tissues. 4008
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone. 4298
- Effect of seeded fruits and foliar-applied auxin on seedless fruit set of pear the following year. 4332
- PECANS**
- Notice of filing of petition regarding pesticide chemicals. 4293
- PEMPHIGUS**
- A contribution to the study of the pemphigose of poplars and its pathogen *Pamphigus spirothecae*. 4035
- PENTACHLORONITROBENZENE**
- Chemical control of stripe smut in Merion Kentucky bluegrass. 3964

- Fungus diseases of cotton seedlings in Egypt. 3972
- PENTHETRIA RITSUMEIKANA**
- A new species of *Penthetria* from Japan (Diptera, Bibionidae). 3769
- PENTOBARBITAL SODIUM**
- Glycemia in dogs. 4184
- PERENNIAL PLANTS**
- Distribution and host range of maize dwarf mosaic virus in Virginia. 3998
- Perennial bindweeds. 4074
- PERILAMPIDAE**
- New *Perilampidae* (Hymenoptera: Chalcidoidea). 3742
- PERILAMPUS PHILEMBIA**
- New *Perilampidae* (Hymenoptera: Chalcidoidea). 3742
- PERIPLANETA AMERICANA**
- The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788
- Structure and function of the giant fibre system in the cockroach, *Periplaneta americana*. 3817
- Salt and water transport by the in vitro cockroach midgut. 3870
- The hyperglycaemic activity of the corpus allatum in an insect. 3877
- Notes on the chromosomes of two species of cockroaches. 3904
- PERMEABILITY**
- 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
- Shell quality effect on *Salmonella* penetration. (Abstract). 4225
- PERONOSPORA**
- Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966. 3966
- PEROSIS**
- Specificity of the chick's requirement for choline. (Abstract). 4221
- PEST CONTROL**
- The use of attractants in pest control. 2. Sex attractants. 3848
- Stretch your pest control dollars. 3922
- PESTICIDE APPLICATION**
- Controlling household pests. 3790
- New chemicals look good for weed control in Michigan orchards. 3994
- The development of chemical weed control in ornamental plants in fields. 4063
- What you should know about concentrate spraying. 4342
- PESTICIDE RESIDUES**
- Some remarks on plant protection preparation-tolerances. 4292
- Investigation to determine the respective residue amounts of DDT and its analogues in the milk and back fat of selected dairy animals. 4300

- Current status of methods for identifying pesticides, a survey. (JPRS 32,031) 4303
- The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany. 4347
- PESTICIDES**
- Controlling household pests. 3790
- Research into environmental pollution. 4290
- Some remarks on plant protection preparation-tolerances. 4292
- Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338
- Pesticidal uses of thiosubstituted phenols. Patent 3,443,012. 4341
- The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany. 4347
- PETUNIA**
- 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* Hort. 3959
- PHAENICIA**
- Fundamental properties of intensity, form, and motion perception in the visual nervous systems of *Calliphora*, *phaenicia* and *Musca domestica*. 3849
- PHAENICIA SERICATA**
- Incorporation of palmitate-1-C14 into lipids of the blowfly during flight. 3892
- PHAGOCYTES**
- Phagocytic haemocytes in unfixed *Galleria mellonella* larvae. 3890
- PHANAEUS IGNEUS NIGROCYANEUS**
- Three new records of the genus *Phanaeus* from Georgia (Coleoptera: Scarabaeidae). 3748
- PHANAEUS TORRENS NIGER**
- Three new records of the genus *Phanaeus* from Georgia (Coleoptera: Scarabaeidae). 3748
- PHANAEUS VINDEIX CYANELLUS**
- Three new records of the genus *Phanaeus* from Georgia (Coleoptera: Scarabaeidae). 3748
- PHARMACOLOGY**
- 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 anabolic steroids and their use in veterinary therapeutics. 4099
- PHENOLS**
- Emulsifiers for agricultural pesticides. Patent 3,442,818. 4338
- PHENOXY ACID COMPOUNDS**
- Defoliation effects on forest ecology. 4062
- Ragwort. 4073
- Perennial bindweeds. 4074
- Defoliation effects on forest ecology. 4080
- Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331
- PHENYLALANINE**
- The influence of high level of L-phenylalanine on chicks hatched from pullets fed same level of L-phenylalanine. (Abstract). 4246
- PHENYLHYDRAZINE**
- The effects of a single massive dose of phenylhydrazine on different hematological traits of chickens. (Abstract). 4104
- PEROMONES**
- Studies on sex pheromones of *Pyalididae*. Changes in the quality of the sex pheromone in the female almond moth, *Cadra cautella* Walker (Phycitinae). 3841
- The use of attractants in pest control. 2. Sex attractants. 3848
- Specificity of population-aggregating pheromones in *Dendroctonus*. 3863
- Studies on sex pheromones of *pyralididae*. II. Mass rearing of virgin females of the almond moth, *Cadra cautella* Walker (Phycitinae). 3880
- PHOMA EXIGUA**
- Phoma exigua* Desm. and its varieties. 3945
- PHOSALONE**
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone. 4298
- PHOSPHATES**
- Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815
- PHOSPHONIC ACIDS**
- Prospanilic acid derivatives. Patent 3,442,938. 4335
- PHOSPHONOTHIOATES**
- Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850
- PHOSPHORIC ACID ESTERS**
- Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
- PHOSPHORUS**
- Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850
- Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933
- PHOSPHORUS COMPOUNDS**
- Effects of tobacco mosaic virus on the phosphorus metabolism of *Nicotiana xanthi* n. c. 4000
- PHOSPHOTUNGSTIC ACID**
- Electron microscopy as an aid to the rapid identification of animal viruses. 4239
- PHOTOPERIODISM**
- Photoperiodism in the honey bee, *Apis mellifera* L. (Hymenoptera, Apidae). 3809
- The influence of photoperiod and temperature on the induction of diapause in mulberry *pyralid*, *Glyphodes pyloalis* Walker. 3858
- PHYCITIDAE**
- Studies on sex pheromones of *Pyalididae*. Changes in the quality of the sex pheromone in the female almond moth, *Cadra cautella* Walker (Phycitinae). 3841
- Studies on sex pheromones of *pyralididae*. II. Mass rearing of virgin females of the almond moth, *Cadra cautella* Walker (Phycitinae). 3880
- PHYLLACTINIA ANGULATA**
- The identity of *Phyllactinia* on winged elm in Georgia. 3965
- PHYSALOSPORA**
- Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330
- PHYTATES**
- Effect of phytate on the apparent calcium requirements of chicks. (Abstract). 4190
- PHYTOPATHOLOGY**
- Phytopathological problems in Austria. 4021
- PHYTOTOXICITY**
- Prevention of the spread of non-persistent plant viruses by oil spraying. 3963
- Phytotoxic alpha-halo-acetanilides. Patent 3,442,945. 4340
- PIGEONPEAS**
- A new species on neotropical seed weevil affecting pigeon peas, with notes on two closely related species (Coleoptera: Bruchidae: Bruchinae). 3756
- PIGMENTS (INSECT)**
- Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867
- PINOCYTOSIS**
- Pinocytosis during vitellogenesis in the mealworm, *Tenebrio molitor* L. (Coleoptera, Tenebrionidae). 3789
- PINUS**
- Occurrence of *Cronartium comptoniae* in the Maritime Provinces. 4018
- PINUS BALFOURIANA**
- Lophodermium durilabrum* found on foxtail pine in California. 3986
- PINUS PINASTER**
- The attraction to *Pissodes notatus* (Col. Curculionidae) of the wounds formed by *Matsuococcus feytaudi* Duc. (Hom. Coccoidea) on maritime pine. 4034
- PINUS SYLVESTRIS**
- 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. 3979
- PINUS VIRGINIANA**
- Virginia pine, a new host for *Cronartium comandrae*. 3993
- PIPERAZINE PHOSPHATE**
- Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272
- PISSODES NOTATUS**
- The attraction to *Pissodes notatus* (Col. Curculionidae) of the wounds formed by *Matsuococcus feytaudi* Duc. (Hom. Coccoidea) on maritime pine. 4034
- PITH**
- The in vitro establishment of pith calluses and nodal tumors of *Brassica oleracea*. 4004
- PITRESSIN**
- The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100
- PLAGUE**
- Duck virus enteritis (duck plague). Interstate movement. 4110

SUBJECT INDEX

PLANOCOCCUS CITRI

PLANOCOCCUS CITRI

Endomitosis in the mealy bug, *Planococcus citri* (Homoptera: Coccoidea). 3901

PLANT ANATOMY

Virulence of various groups of loose smut of barley, (*Ustilago nuda* (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978

PLANT BIOCHEMISTRY

Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985

Effect of *Sclerospora graminicola* infection on total nitrogen content and free amino acid composition of Bajra plants. 3995

Herbicides in the perspectives of 20 months and 20 years. 4089

Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090

Gibberellin-induced asymmetric growth of apple fruits. 4318

Hormonal regulation in higher plants. 4319

Steroid alkaloids as compounds produced by potato tubers under stress. 4323

New antheridiogen from the fern *Onoclea sensibilis*. 4325

Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response to ozone. 4326

Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331

Chemical regulators in horticulture. 4333

PLANT BREEDING

Virus diseases and the selection of grapes. 3937

Survey, screening, and breeding for bacterial blight resistance in cotton. 3952

Breeding and propagation of virus-free grapes in hydroponic cultures. 4045

PLANT CUTTINGS

Losses from fusarium stem rot caused by *Fusarium roscum*, in production of cuttings of carnation, *Dianthus caryophyllus*. 3969

PLANT DISEASE CONTROL

The plant protection import controls in Bavaria. 3918

Plant protection. Bulletin of the plant disease control station of Geneva. February. 3930

Plant protection. Bulletin of the plant disease control station of Geneva. August. 3931

Plant protection. Bulletin of the plant disease control station of Geneva. September. 3932

Virus diseases and the selection of grapes. 3937

Problems around the incidence and control of *Fusarium oxysporum* in tulips. 3943

The present state of grape culture virus research. 3948

Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971

Fruit disease problems and new approaches to their controls. 3975

PLANT DISEASE RESISTANCE

Crop rotation hygiene in grain cultures. 3912

Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933

Reaction of tomato varieties against *Alternaria solani* and *Cladosporium fulvum*. 3935

Resistance of dwarf-internode castor (*Ricinus communis*) to *Verticillium* wilt. 3946

Plant pathology field day. 3949

Survey, screening, and breeding for bacterial blight resistance in cotton. 3952

Fungus diseases of cotton seedlings in Egypt. 3972

Lodging resistance in wheat. II. Identification of superior genetic stocks. 3977

Virulence of various groups of loose smut of barley, (*Ustilago nuda* (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978

A race of *Ustilago tritici* virulent on Thatcher wheat and its derivatives. 3989

Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts. 3997

Effects of early 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. 4001

Wild species as a source of resistance to diseases. 4016

Susceptibility of coastal form and central Montana Douglas-fir to *Arceuthobium douglasii*. 4025

Breeding and propagation of virus-free grapes in hydroponic cultures. 4045

PLANT DISEASE TRANSMISSION

Virus diseases and the selection of grapes. 3937

The present state of grape culture virus research. 3948

A transmissible fruit-depression disease of McIntosh apples. 3991

A new virus disease of *Carica papaya* in India. 4005

Spore dispersal by *Scleroderma lagerbergii* under nursery and plantation conditions. 4007

The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014

Transmission of the virus component of the ragi (*Eleusine coracana*) disease-complex in Mysore, India. 4028

The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029

Plant virus diseases in Turkey which are transmitted by insect vectors. 4036

PLANT DISEASES

Plant protection in the heart of Europe. Austria's contribution to the international fight against plant pests and diseases and, through this, to the improvement of the food situation. 3911

Microbes and chemicals against plant pests. 3919

Stretch your pest control dollars. 3922

The present state of research and of the control of rice pests. 3924

The causes of disease in plant pathology. 3939

The plant disease observatory of Milan. 3940

Lodging resistance in wheat. II. Identification of superior genetic stocks. 3977

Disease and insect control in home orchards. 3983

Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985

The in vitro establishment of pith calluses and nodal tumors of *Brassica oleracea*. 4004

Phytopathological problems in Austria. 4021

The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029

A contribution to the study of the pemphigose of poplars and its pathogen *Pamphigus spirothecae*. 4035

Longidorus africanus a pathogen of head lettuce in the Imperial Valley of southern California. 4054

PLANT DORMANCY

Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985

PLANT EXTRACTS

Problems around the incidence and control of *Fusarium oxysporum* in tulips. 3943

Comparative interactions of *Erwinia carotovora* and *Erwinia amylovora* with pear and potato tissues. 4008

PLANT GALLS

Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory. 3833

The in vitro establishment of pith calluses and nodal tumors of *Brassica oleracea*. 4004

Overwintering of *Meloidogynce incognita* in southwestern Ontario. 4047

PLANT GENETICS

Electron microscope examination of ultra-thin sections of *Streptomyces viridochromogenes* for hyphal anastomoses. 3910

The causes of disease in plant pathology. 3939

Lodging resistance in wheat. II. Identification of superior genetic stocks. 3977

Wild species as a source of resistance to diseases. 4016

PLANT GEOGRAPHY

Biology of the fungus *Aspergillus flavus* Link and its infectivity to plants and animals. 3973

- PLANT GROWTH INHIBITORS**
Field observations on effectiveness of maleic hydrazide applied to onions by helicopter. 4327
Chemical regulators in horticulture. 4333
- PLANT HARDINESS**
How to prevent sun and heat damage to desert-grown tomatoes. 3909
- PLANT HORMONES**
Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083
Hormonal regulation in higher plants. 4319
New antheridiogen from the fern *Onoclea sensibilis*. 4325
Chemical regulators in horticulture. 4333
- PLANT INJURIES**
How to prevent sun and heat damage to desert-grown tomatoes. 3909
Brown rot control in Southern California. 4015
Buggy-whip of corn and its relation to the incidence of common smut. 4017
The peach twig borer and its control. 4032
The attraction to *Pissodes notatus* (Col. Curculionidae) of the wounds formed by *Matsucoccus feytaudi* Duc. (Hom. Coccoidea) on maritime pine. 4034
Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response to ozone. 4326
Chemical injury on Golden Delicious apples treated with diphenylamine. 4328
- PLANT METABOLISM**
Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985
Effects of tobacco mosaic virus on the phosphorus metabolism of *Nicotiana xanthi* n. c. 4000
- PLANT MORPHOLOGY**
Morphological variation in the sugarcane smut, *Ustilago scitaminea* Syd. 3920
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
- PLANT NEMATODE RESISTANCE**
Host resistance reflected in differential nematode population structures. 4058
- PLANT NEMATODES**
Crop rotation hygiene in grain cultures. 3912
The plant protection import controls in Bavaria. 3918
The present state of research and of the control of rice pests. 3924
Virus diseases and the selection of grapes. 3937
The present state of grape culture virus research. 3948
The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029
- Influence of six cover crops on population density of *Pratylenchus penetrans*. 4046
Overwintering of *Meloidogyne incognita* in southwestern Ontario. 4047
Nematodes associated with bananas in the Windward Islands. 4048
Survival of the soybean cyst nematode in seed stocks. 4049
Nine varieties of southern peas resistant to the soybean cyst nematode. 4050
Life cycle and reproduction of *Meloidogyne hapla* on potato. 4052
Nematodes are destructive to your plants. 4053
Longidorus africanus a pathogen of head lettuce in the Imperial Valley of southern California. 4054
Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at Bab near Nitra. 4055
Golden nematode found in Delaware. 4056
Control of the citrus nematode, *Tylenchulus semipenetrans*, with 1,2-dibromo-3-chloropropane in Taiwan. 4057
Host resistance reflected in differential nematode population structures. 4058
- PLANT NUTRITION**
Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933
Micronutrients: The secret of better yields for farmers. 3976
The effects of increasing molybdenum rates on building of dry material of clover. 4322
Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330
- PLANT NUTRITIONAL DEFICIENCIES**
Micronutrients: The secret of better yields for farmers. 3976
- PLANT PEST CONTROL**
Plant protection in the heart of Europe. Austria's contribution to the international fight against plant pests and diseases and, through this, to the improvement of the food situation. 3911
Plant protection Annual Report 1967. 3915
The present state of research and of the control of rice pests. 3924
The importance of applied entomology for Austrian plant protection. 3926
Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010
Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011
Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012
Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013
Phytopathological problems in Austria. 4021
The appearance of beet aphids in 1966. 4042
- PLANT PEST RESISTANCE**
Nine varieties of southern peas resistant to the soybean cyst nematode. 4050
- PLANT PHYSIOLOGICAL DISEASES**
Diseases and parasites of the rose. 3956
- PLANT PHYSIOLOGY**
Electron microscope examination of ultra-thin sections of *Streptomyces viridochromogenes* for hyphal anastomoses. 3910
Electrifying agriculture and horticulture. 3921
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* Hort. 3959
Virulence of various groups of loose smut of barley, (*Ustilago nuda* (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978
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. 3979
Breeding and propagation of virus-free grapes in hydroponic cultures. 4045
Chemical weed control problems in outdoor vegetable growing. 4088
Gibberellin-induced asymmetric growth of apple fruits. 4318
Hormonal regulation in higher plants. 4319
An unexpected effect of benomyl on two gladiolus varieties. 4321
Growth regulator survey for activity in inducing parthenocarp in the highbush blueberry. 4324
Chemical regulators in horticulture. 4333
- PLANT PROTECTION**
Plant protection in the heart of Europe. Austria's contribution to the international fight against plant pests and diseases and, through this, to the improvement of the food situation. 3911
Crop rotation hygiene in grain cultures. 3912
The training course of the European Plant Protection Organization in England. 3914
Plant protection Annual Report 1967. 3915
The plant protection import controls in Bavaria. 3918
Stretch your pest control dollars. 3922
The importance of applied entomology for Austrian plant protection. 3926
New ways for organizing the cooperation between plant protection services and apiculturists. 3929
The plant disease observatory of Milan. 3940
Avoid yellow dwarf virus by late sowing. 3981
Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985

SUBJECT INDEX

PLANT QUARANTINE

- Plant protection. Bulletin of the Plant Disease Station of Geneva. March. 4010
- Plant protection. Bulletin of the Plant Disease Station of Geneva. June. 4011
- Plant protection. Bulletin of the Plant Disease Station of Geneva. October. 4012
- Plant protection. Bulletin of the Plant Disease Station of Geneva. April. 4013
- Domestic quarantine notices. Witchweed. Regulated areas. 4067
- Control of *Orobanche* under natural and artificially infested conditions. 4068
- Some remarks on plant protection preparation-tolerances. 4292
- The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany. 4347

PLANT QUARANTINE

- The plant protection import controls in Bavaria. 3918
- Domestic quarantine notices. Witchweed. Regulated areas. 4067
- Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346

PLANT REGULATORS

- Gibberellin-induced asymmetric growth of apple fruits. 4318
- Hormonal regulation in higher plants. 4319
- Growth regulator survey for activity in inducing parthenocarpy in the highbush blueberry. 4324
- Effect of seeded fruits and foliar-applied auxin on seedless fruit set of pear the following year. 4332
- Chemical regulators in horticulture. 4333

PLANT TAXONOMY

- Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330

PLANTATIONS

- Spore dispersal by *Scleroderris lagerbergii* under nursery and plantation conditions. 4007

PLANTING

- Avoid yellow dwarf virus by late sowing. 3981

PLANTS

- Soil fumigation at Boskoop. 3925
- Regulating the shipment of living pests, pathogens and vectors. 4345
- Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346

PLASMA MEMBRANE

- Effect of dietary lipids upon the lipase, pancreatic cholesterol esterase, plasma triglyceride and total plasma lipids level in the chick. (Abstract). 4261

PLASMODIUM

- Comparative studies of the development of *Plasmodium cynomolgi bastianellii* in *Anopheles stephensi* and *A. albimanus*. 3860
- Heterologous immunity in avian hosts infected with *Plasmodium relictum* and *Plasmodium lophurae*. 4232

PLASTICS

- Foaming agents as ground cover against weeds. 4078

POA ANNUA

- Chemical control of annual bluegrass as related to vertical mowing. 4091

POA PRATENSIS

- Chemical control of stripe smut in Merion Kentucky bluegrass. 3964

POISONING

- Philippine field rats and their control. 4093
- Organic phosphate poisoning of sheep in Skull Valley, Utah. 4304
- Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood. 4305
- Environmental nitrates and animal health. 4315
- Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316

POISONOUS FUNGI

- British poisonous plants. 4308

POISONOUS PLANTS

- Ragwort. 4073
- 22 plants poisonous to livestock in the Western United States. 4109
- Notes on toxicology: The clover. 4122
- British poisonous plants. 4308
- Proceedings of the American College of Veterinary Toxicologists, 1967. 4309

POISONS

- Weeds mean waste Know your weeds and how to control them. 4066
- Current status of methods for identifying pesticides, a survey. (JPRS 32,031) 4303

POLLINATION

- Effect of seeded fruits and foliar-applied auxin on seedless fruit set of pear the following year. 4332

POLYGONUM CONVULVULUS

- Perennial bindweeds. 4074

POLYMORPHISM

- Hereditary nature of the two forms of *Argyrogramma albostrigata* (Bremer and Grey) (Noctuidae, Plusiinae). 3898

POLYPLOIDY

- The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of *Drosophila melanogaster*. 3897

POPULATION

- The entomology of the Isle of Rhum National Nature Reserve. 3775
- Host resistance reflected in differential nematode population structures. 4058
- Hygiene and animal diseases in Deux-Sevres (region of Coulonges-sur-l'Autize). 4141

POPULUS

- A contribution to the study of the pemphigose of poplars and its pathogen *Pamphigus spirothecae*. 4035

POTASSIUM

- Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867

- Are fertilizer programs related to fireblight and fruit disorders at harvest. 3933

POTATO SEEDS

- Tests on dry fumigation of potato seedlings against *Rhizoctonia* disease. 4023

POTATOES

- Comparative interactions of *Erwinia carotovora* and *Erwinia amylovora* with pear and potato tissues. 4008
- Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024
- Plant virus diseases in Turkey which are transmitted by insect vectors. 4036
- Life cycle and reproduction of *Meloidogyne hapla* on potato. 4052
- Golden nematode found in Delaware. 4056
- Perennial bindweeds. 4074
- Chemical weed control in potato (*Solanum tuberosum* L.). A review. 4075
- 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 International Herbicide Conference, Prague, June 21-24, 1966. 4081
- Steroid alkaloids as compounds produced by potato tubers under stress. 4323

POULTRY

- Insects and mites of livestock and in farm buildings. 3792
- Enumeration of bacteria on poultry carcass skin. (Abstract). 4094
- Abstracts of papers presented at the 57th Annual Meeting of the Poultry Science Association. 4102
- Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170
- Efficacy of several drugs for control of poultry nematodes. (Abstract). 4272

POULTRY DISEASES

- Hemagglutinins induced in chickens with *Mycoplasma gallisepticum* infection. (Abstract). 4108
- Duck virus enteritis (duck plague). Interstate movement. 4110
- Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111
- Intestinal histology of vitamin A deficient chicks. (Abstract). 4113
- Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic relationships and cellular affinities. 4116
- Comparison of attenuated live *Pasteurella multocida* given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117
- Experimental control *Mycoplasma meleagridis* in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118
- Penetration and development of *Eimeria maxima* sporozoites and the static effect of decoquinat. (Abstract). 4128

- Observations on the effect of the re-use of broiler litter on the incidence of Marek's disease. (Abstract). 4129
- The infectious bursal agent and pathology of the disease. (Abstract). 4131
- 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
- The interaction of a nonpathogenic Mycoplasma sp. (TU) with Mycoplasma gallisepticum, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134
- The pathology of avian osteodystrophy. (Abstract). 4136
- Notice of filing of petition for food additives. 4143
- Factors related to immunity of chickens to coccidiosis. (Abstract). 4145
- Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147
- Proteins before and after inoculation with RSV. (Abstract). 4153
- Epizootiology of influenza in turkeys. (Abstract). 4157
- The efficacy of trans and cis vitamin A. (Abstract). 4158
- Relationship of biotin to leg weakness in turkeys. (Abstract). 4161
- Activity of decoquinate against field strains of chicken coccidia. (Abstract). 4162
- Floor pen evaluations of the anticoccidial effects of decoquinate on single and mixed species of chicken coccidia. (Abstract). 4163
- Pathogenesis of infectious synovitis in notobiotic chickens. (Abstract). 4165
- Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171
- Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. 4174
- Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). 4185
- The linoleic acid requirement of the hen for reproduction. (Abstract). 4192
- Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 4196
- Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). 4197
- 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
- Amino acids and isonitrogenous turkey starter diets. (Abstract). 4207
- 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
- Specificity of the chick's requirement for choline. (Abstract). 4221
- Fumigation and reuse of broiler litter. (Abstract). 4222
- Shell quality effect on Salmonella penetration. (Abstract). 4225
- Egg transmission studies of Type II leukosis infection (Marek's disease). 4230
- The levels of Type II infection (Marek's disease) in 8-week-old chickens processed at dressing plants. (Abstract). 4231
- Effect of an iodophor on shelf life of poultry. (Abstract). 4238
- Avian virus-induced tumors. 4242
- Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245
- Optimum destruction of rachitogenic activity of C-1 protein. (Abstract). 4247
- Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). 4250
- Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract). 4251
- Role of the cuticle in egg spoilage. (Abstract). 4253
- Hematology of an inherited anemia in the domestic fowl. 4256
- Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks. 4257
- Persistence of Mycoplasma meleagridis in the genitalia of experimentally infected turkeys. (Abstract). 4263
- Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
- A study of carcasses condemned for skin leukosis. (Abstract). 4284
- Salmonella organisms in poultry feeds. (Abstract). 4289
- POWDERY MILDEW**
- The identity of Phyllactinia on winged elm in Georgia. 3965
- Resistance to benomyl in powdery mildew of cucurbits. 4003
- The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of winter wheat zelazna variety to infection with powdery mildew (Erysiphe graminis F. tritici DC March). 4009
- PRATYLENCHUS PENETRANS**
- Influence of six cover crops on population density of Pratylenchus penetrans. 4046
- PREDACEOUS INSECTS**
- Studies on the insect fauna on Scotch broom Sarothamnus scoparius (L.) Wimmer. 3784
- Mortality of mature beetles Ips typographus (L.) (Col., Scolytidae) in the galleries and its causes. 3799
- Natural enemies of Laspeyresia pomonella L. (Lepidoptera, Tortricidae) and the effect of chemical treatment on their useful activity. 3819
- Description of the larva of Parena (Parena) perforata (Bates), with some notes on its life history (Carabidae). 3825
- The oleander scale, Pseudaulacaspis pentagona (Targ.), (Homoptera, Coccidae) in Bermuda. 4043
- PREGNANCY**
- Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186
- PROCESSING**
- Process for the production of substituted triazines. Patent 3,428,636. 4337
- PRODUCTIVITY**
- Sulfur amino acid requirement of laying hens. (Abstract). 4156
- Effect of nitrofurazone and furazolidone on reproduction in chickens. 4169
- Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). 4223
- PROLAN**
- Ovarian cysts in cattle and its therapy with Gestafortin and prolan preparations. 4186
- PROMETRYNE**
- 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
- New herbicides for controlling weeds in upland rice. 4076
- Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083
- 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 in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087
- 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
- PROPANIL**
- New herbicides for controlling weeds in upland rice. 4076

SUBJECT INDEX

PROTAMONE

PROTAMONE

Influence of protamone on bone fragility of caged hens. (Abstract).

4103

PROTEINS

Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*.

3821

The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract).

4130

Effect of energy-protein balance, energy intake and methionine on growth and body composition of ducklings. (Abstract).

4140

The amino acid deficiencies of blood meal for the chick.

4149

Proteins before and after inoculation with RSV. (Abstract).

4153

Amino acids Versus protein in low protein cage-layer diets. abstract.

4206

Cobalt and vitamin C for chicks. (Abstract).

4210

Cottonseed meal, lysine, and methionine for layers. (Abstract).

4219

Lysine requirement of the growing chick. (Abstract).

4233

Optimum destruction of rachitogenic activity of C-I protein. (Abstract).

4247

Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract).

4251

PROTOZOA

Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes.

3799

The natural occurrence of *surra* in the African longhaired fox.

4236

PRUNING

Disease and insect control in home orchards.

3983

PSEUDALETIA UNIPUNCTA

Record of the moth ear mite, *Dicrocheles phalaenodectes*, in Ohio (Acarina: Mesostigmata).

3865

PSEUDAULACASPIS PENTAGONA

The oleander scale, *Pseudaulacaspis pentagona* (Targ.), (Homoptera, Coccidae) in Bermuda.

4043

PSEUDOCOCCIDAE

A new species of *Antonina* Signoret from South Dakota with new records for *A. boutelouae* Parrott (Homoptera: Coccoidea: Pseudococcidae).

3757

PSEUDOMONAS

The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture.

4014

PSEUDOMONAS AERUGINOSA

Role of the cuticle in egg spoilage. (Abstract).

4253

PSEUDOMONAS PHASEOLICOLA

Identification of races of *Pseudomonas phaseolicola* from Quebec bean fields.

4022

PSEUDOMONAS SYRINGAE

Pseudomonas syringae infection of sweet cherry fruit in Utah.

3934

PSEUDORABIES VIRUS

Studies on several strains of pseudorabies (Aujeszky) virus showing different virulence by means of the immuno- and acridine orange fluorescence.

4266

PSEUDOTSUGA MENZIESII

Susceptibility of coastal form and central Montana Douglas-fir to *Arceuthobium douglasii*.

4025

PTERIDIUM AQUILINUM

New antheridiogen from the fern *Onoclea sensibilis*.

4325

PTESIMOGASTER GUNDLACHII

On the status of Cresson's *Stenophasmus* species from Cuba (Hymenoptera: Braconidae: Doryctinae).

3759

PUBLIC HEALTH

The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany.

4347

PUCGINIA CORONATA

Crown rust of oats in Canada in 1968.

3958

PUCGINIA GRAMINIS

Stem rust of wheat in Canterbury.

3953

PUCGINIA RECONDITA

Leaf rust of wheat in Canada in 1968.

3999

PUPAE

Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*.

3821

A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae).

3847

PUTO

Meiosis in the male of *Puto albicans* (Coccoidea-Homoptera).

3894

PYRALIDAE

Studies on sex pheromones of Pyralidae. Changes in the quality of the sex pheromone in the female almond moth, *Cadra cautella* Walker (Phycitinae).

3841

The influence of photoperiod and temperature on the induction of diapause in mulberry pyralid, *Glyphodes pyloalis* Walker.

3858

Studies on sex pheromones of pyralidae. II. Mass rearing of virgin females of the almond moth, *Cadra cautella* Walker (Phycitinae).

3880

PYRAMIN

Further test of the control of *Avena fatua* in sugar beets.

4079

PYRETHRUM

Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid.

3826

PYRIMIDINES

Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract).

4185

PYRRHOCORIS APTERUS

An autosomal recessive gene in *Pyrrhocoris*.

3903

PYTHIUM ULTIMUM

Fungus diseases of cotton seedlings in Egypt.

3972

QUANTITATIVE ANALYSIS

Current status of methods for identifying pesticides, a survey. (JPRS 32,031)

4303

QUARANTINE

Mexican fruit containment.

3879

Regulating the shipment of living pests, pathogens and vectors.

4345

QUERCUS

The alternate generation of *Callirhytis quercus-suttonii* (Bassett) (Hymenoptera: Cynipoidea).

4038

QUERCUS STELLATA

Spraying post oak brush pays dividends.

4084

QUERCUS VIRGINIANA

Live oak in Mississippi infected by *Endothia parasitica*.

3992

RABBITS

Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary.

4167

Lymphoepithelial tissues of the intestine and differentiation of antibody production.

4213

RADIATION

The influence of the genotype on the frequency of radiation-induced aneuploidy in the oogenesis of *Drosophila melanogaster*.

3897

Ticks of the National Reactor Testing Station.

4267

RADIOACTIVE TRACERS

New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata).

3820

Incorporation of palmitate-I-C14 into lipids of the blowfly during flight.

3892

RADIOACTIVITY

Origin of oxalic acid in Ca oxalate crystals in the malpighian tubes of the tent caterpillar, *Malacosoma neustria* testacea.

3881

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl.

4100

Mid small intestinal parasitism and absorption of amino acids and protein. (Abstract).

4251

RAGIMILLET

Transmission of the virus component of the ragi (Eleusine coracana) disease-complex in Mysore, India.

4028

RAINFALL

Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966.

3966

Spore dispersal by *Scleroderris lagerbergii* under nursery and plantation conditions.

4007

RAMS

Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction.

4126

RANGES

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba.

4295

RAPE

Community studies on Hymenoptera found on *Brassica napus* L. Part III. Braconidae and Aphidiidae.

3853

RASPBERRIES

Raspberry moth.

4039

RATS

Philippine field rats and their control.

4093

Spontaneous tumors of the brain in rats: A report of 3 cases.

4121

Spontaneous tumors in Holtzman-source rats of various ages.

4226

SUBJECT INDEX

RODENTS

- Epizootics of trichinosis in pigs and its relation with antisrat procedures using warfarin. 4227
- Trichinella spiralis infection in Rattus norvegicus from the municipal abattoir of Santiago, Chile. 4228
- RED CLOVER**
Host resistance reflected in differential nematode population structures. 4058
- RED WATER DISEASE**
Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111
- REGENERATION**
On ocular regeneration in Lithobius forficatus L. (Myriopoda Chilopoda). 3832
- REGULATIONS**
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. 4098
Duck virus enteritis (duck plague). Interstate movement. 4110
Notice of filing of petition for food additive diethylstilbestrol. 4142
Notice of filing of petition for food additives. 4143
Notice of filing of petition for food additive nitrodan. 4144
Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
Nicarbazin. Drugs for veterinary use; drug efficacy 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
- REPORTS**
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
- REPRODUCTION**
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.). 3804
Mating and oviposition behavior of the coffee leaf miner, Leucoptera coffeella (Lepidoptera: Lyonetiidae). 3888
Life cycle and reproduction of Meloidogyne hapla on potato. 4052
- Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095
- The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106
- Emtryl and antibiotics for turkey breeders. (Abstract). 4112
- Reproductive abnormalities in hens deficient in linoleic acid. (Abstract). 4123
- Effect of nitrofurazone and furazolidone on reproduction in chickens. 4169
- The linoleic acid requirement of the hen for reproduction. (Abstract). 4192
- REPRODUCTIVE ORGANS**
Changes in gonads and primary sexual characters in triploid intersexes of Drosophila melanogaster (Diptera) exposed to the effect of different temperatures. 3842
Phylogenetic relationships within the Rhopalocera on the basis of the functional morphology of the genital apparatus. 3878
Persistence of Mycoplasma meleagridis in the genitalia of experimentally infected turkeys. (Abstract). 4263
- RESEARCH**
The present state of research and of the control of rice pests. 3924
The present state of grape culture virus research. 3948
Studies on weed control in groundnut (Arachis hypogaea) - 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 antibiotic 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
- RHADINOCERAE REITTERI**
A contribution to the bionomics and morphology of Rhadinoceraea reitteri Knw. with a description of the larva. (Hym., Tenthredinidae). 3801
- RHIZOBIUM**
The effects of increasing molybdenum rates on building of dry material of clover. 4322
- RHIZOCTONIA**
Stem and root diseases of beans. 3941
Tests on dry fumigation of potato seedlings against Rhizoctonia disease. 4023
Illustrative scales for the evaluation of potato scab and Rhizoctonia infection. 4024
- RHIZOCTONIA GOSSYPII**
Fungus diseases of cotton seedlings in Egypt. 3972
- RHIZOSPHERE**
Nematodes associated with bananas in the Windward Islands. 4048
- RHODNIUS PROLIXUS**
Study of the morphogenesis of the maxillary stylet of Rhodnius prolixus by transplantations of incomplete stylogenic organs. 3862
- RHOPALOCERA**
Phylogenetic relationships within the Rhopalocera on the basis of the functional morphology of the genital apparatus. 3878
- RHOPALOSIPHUM PADI**
Insecticide granules and virus in autumn-sown wheat. 4041
- RIBONUCLEIC ACID**
Isolation and characterization of ribonucleic acid from Musca domestica (L.). 3798
- RICE**
Study on attractant of the rice stem borer, Chilo suppressalis Walker. 3835
The present state of research and of the control of rice pests. 3924
Occurrence of Ephelis on rice variety IR-8 and cotton grass in India. 4020
Bloodworms--pests 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. 4217
- RODENTS**
Controlling household pests. 3790
The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. 3345
The present state of research and of the control of rice pests. 3924
On the value of our birds. 3927

SUBJECT INDEX

RONIDAZOLE

Damages done to beet seeds by the forest mouse (*Apodemus sylvaticus*). 4092

RONIDAZOLE

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245

RONNEL

Notice of filing of petition for food additive ronnel. 4096

ROOT CROPS

Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083

ROOT ROT

Hybrid corn yield reduction by stalk and root rot in Nebraska. 4027

ROOTS

Notes on the parasites of the root aphids (Hymenoptera, Aphidiidae). 3876

ROSA

The forage plants of *Rhagades pruni* Schiff. 3828

Diseases and parasites of the rose. 3956

ROTENONE

Insect control for garden vegetables. 3916

Interaction of antimycin A and rotenone in fish bioassays. 4097

ROTYLENCHULUS

Nematodes associated with bananas in the Windward Islands. 4048

ROUS SARCOMA VIRUS

Proteins before and after inoculation with RSV. (Abstract). 4153

RUBBER

A new leaf spot of para rubber (*Hevea brasiliensis*) in Nigeria. 3936

RUMINANTS

Kale anaemia in ruminants. I. Survey of the literature and experimental induction of kale anaemia in lactating cows. 4152

Investigations on Coccidia in zoo ruminants. 4195

RUSSIAN SPRING-SUMMER ENCEPHALITIS

Isolation of the tick-borne encephalitis virus from the squirrel *Sciurus vulgaris*. 4168

RUTHENIUM ISOTOPES

New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata). 3820

SALIVARY GLANDS

Salivary gland chromosome variation in the *Drosophila affinis* subgroup. II. Comparison of C-chromosome patterns in *D. athabasca* and five related species. 3899

SALMONELLA

Shell quality effect on Salmonella penetration. (Abstract). 4225

Salmonella organisms in poultry feeds. (Abstract). 4289

SALMONELLA DUBLIN

A contribution to the salmonellosis of cattle and its therapy. 4243

SALMONELLA TYPHIMURIUM

Effect of an iodophor on shelf life of poultry. (Abstract). 4238

Oxidation of D-malic and beta-alkylmalic acids by wild-type and mutant strains of *Salmonella typhimurium* and by *Aerobacter aerogenes*. 4240

SALMONELLOSIS

A contribution to the salmonellosis of cattle and its therapy. 4243

SANITATION

Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311

SANNINOIDEA EXITIOSA

Disease and insect control in home orchards. 3983

SARCOPHAGA BULLATA

Changes in soluble proteins during foot-pad development in *Sarcophaga bullata*. 3821

SATSUMA ORANGES

Plant virus diseases in Turkey which are transmitted by insect vectors. 4036

SAUSAGES

Irradiation treatment on wiener sausage with gamma-ray. 4285

SCAB

Fruit disease problems and new approaches to their controls. 3975

Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024

SCARABAEIDAE

Three new records of the genus *Phanaeus* from Georgia (Coleoptera: Scarabaeidae). 3748

SCLERODERRIS LAGERBERGII

The effect of temperature on ascospore release by *Scleroderris lagerbergii*. 3928

Spore dispersal by *Scleroderris lagerbergii* under nursery and plantation conditions. 4007

SCLEROSPORA GRAMINICOLA

Effect of *Sclerospora graminicola* infection on total nitrogen content and free amino acid composition of Bajra plants. 3995

SCLEROTINIA SCLEROTIORUM

Stem and root diseases of beans. 3941

SCLEROTIUM ROLFSII

Stem and root diseases of beans. 3941

SCOLYTIDAE

Mortality of mature beetles *Ips typographus* (L.) (Col., Scolytidae) in the galleries and its causes. 3799

The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijima. Studies on the control of forest pests. V. 3857

SEASONAL VARIATION

To the fauna of ixodid ticks of Mongolia. 3744

SECRETION

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

Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100

SEED GERMINATION

Biochemistry of plant immunity and dormancy as the foundation for the crop protection against diseases and germination. 3985

SEED TREATMENT

Why is the disinfection treatment of corn seeds absolutely necessary. 4030

SEED-BORNE PLANT DISEASES

Why is the disinfection treatment of corn seeds absolutely necessary. 4030

SEEDLINGS

Fungus diseases of cotton seedlings in Egypt. 3972

Virginia pine, a new host for *Cronartium comandrae*. 3993

Detectable levels of *Xanthomonas malvacearu* in cotton gin debris with the seed-soak method. 4002

Corn marigold (goldings, yellow oxeye, yellow bottle). 4072

SEEDS

Survival of the soybean cyst nematode in seed stocks. 4049

Gibberellin-induced asymmetric growth of apple fruits. 4318

Effect of seeded fruits and foliar-applied auxin on seedless fruit set of pear the following year. 4332

Foreign quarantine notices. Nursery stock, plants, and seeds. Importation. 4346

SENECIO JACOBAEA

Ragwort. 4073

SENSE ORGANS

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

SEPTICEMIA

Observations on septicemia of cattle caused by a *Haemophilus*-like organism. 4211

SEPTORIA

Studies of *Leptosphaeria avenaria* f. sp. *triticea* on wheat in North Dakota. 3970

SERODIAGNOSIS

Polyvalent parainfluenza CF antigen for serodiagnosis. 4166

SEROLOGICAL TESTS

Isolation of the tick-borne encephalitis virus from the squirrel *Sciurus vulgaris*. 4168

Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170

Towards the eradication of bovine tuberculosis. 4172

Progress of the Soviet virology in foot-and-mouth disease studies. 4181

The use of serologic methods for the control of *Mycoplasma meleagridis* in turkeys. (Abstract). 4198

A survey of *Brucella* infection of cattle in Kenya. A comparison of four serological tests for the diagnosis of infection. 4202

Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260

SUBJECT INDEX

SPORES

- SERUM**
Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum. 4132
An improvement of the indirect fluorescent antibody test for the diagnosis of intraerythrocytic parasitic infections. 4183
- SESIIDAE**
Bembecia pectinata Stgr. and its first stages. (Lepidoptera, Sesiidae). 3873
- SEX ATTRACTANTS**
Studies on sex pheromones of *Pyralididae*. Changes in the quality of the sex pheromone in the female almond moth, *Cadra cautella* Walker (Phycitinae). 3841
The use of attractants in pest control. 2. Sex attractants. 3848
Studies on sex pheromones of *pyralididae*. II. Mass rearing of virgin females of the almond moth, *Cadra cautella* Walker (Phycitinae). 3880
- SHEEP**
Insects and mites of livestock and in farm buildings. 3792
Ovine genital brucellosis. Epididymitis of the ram (*Brucella ovis*). The utilization of a new antigen for the complement fixation test and intradermal reaction. 4126
Experiments on the loss of *Dictyocaulus filaria* from the lungs of infected sheep. II. The demonstration of worms in the bronchial spare mucus. 4276
Further studies on the anthelmintic activity of I-tetramisole against gastro-intestinal helminths in sheep. 4279
The anaemia of acute and chronic ovine fascioliasis. 4280
Organic phosphate poisoning of sheep in Skull Valley, Utah. 4304
- SHRUBS**
The San Jose scale a pest of ornamental shrubs. 4033
- SIMAZINE**
Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083
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 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
- SIPHONAPTERA**
The insect fauna in the burrows of the long-clawed mole-vole, a Caucasian endemic species. 3845
- SIZE**
Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843
- SKIN**
Enumeration of bacteria on poultry carcass skin. (Abstract). 4094
- SKIN DISEASES**
Latent skin fungus infections in animals and their importance for the epidemiology of animal and human dermatomycoses. 4119
A study of carcasses condemned for skin leucosis. (Abstract). 4284
- SKULL**
A meningioma in a cat associated with erosion of the skull. 4154
- SLUGS**
Insect control for garden vegetables. 3916
- SMUT**
Morphological variation in the sugarcane smut, *Ustilago scitaminea* Syd. 3920
Buggy-whip of corn and its relation to the incidence of common smut. 4017
- SOCIAL INSECTS**
Geographic distribution of the ant genus *Formica* (Hymenoptera: Formicidae). 3750
Some biological notes on *Bombus ignitus* Smith with special reference to the nest structure (Hym. Apidae). 3834
Honeybees: Do they use direction and distance information provided by their dancers. 3889
- SOCIETIES**
Bulletin of the Entomological Society of America. 3739
Abstracts of papers presented at the 57th Annual Meeting of the Poultry Science Association. 4102
- SODIUM**
Studies on the sodium requirements of chicks. (Abstract). 4205
- SODIUM CHLORIDE**
Salt and water transport by the in vitro cockroach midgut. 3870
Studies on the sodium requirements of chicks. (Abstract). 4205
- SODIUM PROPIONATE**
Sodium propionate. Drugs for veterinary use; drug efficacy study implementation. 4175
- SOFT ROT**
Aglaonema pictum, a new host of *Erwinia chrysanthemi*. 3982
- SOGATELLA**
Transmission of the virus component of the ragi (*Eleusine coracana*) disease-complex in Mysore, India. 4028
- SOIL ANALYSIS**
Possibilities for *Botrytis cinerea* control, especially in tomatoes. 4019
- SOIL CONTAMINATION**
Research into environmental pollution. 4290
- SOIL FUMIGATION**
Soil fumigation at Boskoop. 3925
- SOIL INSECTS**
Larvae of injurious beetles (Coleoptera) in the soils of the Archeda Forest farm, Volgograd Province. 3795
- SOIL MICROORGANISMS**
Soil fumigation at Boskoop. 3925
Nematodes associated with bananas in the Windward Islands. 4048
Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at Bab near Nitra. 4055
Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090
- SOIL-BORNE PLANT DISEASES**
Why is the disinfection treatment of corn seeds absolutely necessary. 4030
- SOLIERELLA NITRARIA**
Solierella nitraria sp. n. (Hym., Sphecidae). 3763
- SORGHUM**
Evaluation of various bird-resistant and non-resistant varieties of grain sorghum for use in broiler diets. 4139
Influence on egg quantity and quality with sorghum grain diets supplemented with corn oil and/or furazolidone. (Abstract). 4223
- SORGHUM HALEPENSE**
Distribution and host range of maize dwarf mosaic virus in Virginia. 3998
- SOYBEAN MEAL**
Influence of dietary fat, soybean meal treatment and antibiotic supplementation on growth of chicks fed different carbohydrates. 4120
Effect of methionine on a growth depression induced by supplementing a corn-soybean meal diet with lysine. 4151
Cottonseed meal, lysine, and methionine for layers. (Abstract). 4219
- SOYBEANS**
Survival of the soybean cyst nematode in seed stocks. 4049
- SPECTINOMYCIN**
Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265
- SPERMATOCYTES**
The non-random chromosome segregation in spermatocytes of *Grylotalpa hexadactyla*. A micromanipulation analysis. 3896
- SPHAEROPSIS**
Stability of taxonomic characters in cultures of *Diplodia* and related genera as influenced by various carbon sources. (Abstract). 4330
- SPHAEROTHECA FULIGINEA**
Resistance to benomyl in powdery mildew of cucurbits. 4003
- SPHECIDAE**
Solierella nitraria sp. n. (Hym., Sphecidae). 3763
- SPHECOIDEA**
Sphecoidea from the Ryukyus and Formosa (Hymenoptera). 3783
- SPIDERS**
Studies on the insect fauna on Scotch broom *Sarothamnus scoparius* (L.) Wimmer. 3784
- SPIRAMYCIN**
Experimental control *Mycoplasma meleagridis* in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118
Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements. 4301
- SPONGES**
Use of freshwater sponge in case construction of *Limnephilus* species (Trichoptera: Limnephilidae). 3810
- SPORES**
The effect of temperature on ascospore release by *Scleroderma lagerbergii*. 3928

SUBJECT INDEX

SPOROZOA

Spore dispersal by *Scleroderma lagerbergii* under nursery and plantation conditions. 4007

The rate of contamination in relation to the percentage of infection in the parasitic diseases of plants. 4029

SPOROZOA

Penetration and development of *Eimeria maxima* sporozoites and the static effect of decoquinate. (Abstract). 4128

SPRAYING

Mexican fruit containment. 3879

How to prevent sun and heat damage to desert-grown tomatoes. 3909

Current status on chemical thinning of peaches and pears in Michigan. 3913

Insect control for garden vegetables. 3916

This may be the year for spray thinning. 3917

Stretch your pest control dollars. 3922

Low temperature sprays for Dutch elm disease control. 3957

Prevention of the spread of non-persistent plant viruses by oil spraying. 3963

Some observations on the late occurrence of *Peronospora* on grapes in the period 1964-1966. 3966

Disease and insect control in home orchards. 3983

New chemicals look good for weed control in Michigan orchards. 3994

Field evaluation of some fungicides for control of leaf and stem rusts of wheat. 4006

Brown rot control in Southern California. 4015

The peach twig borer and its control. 4032

The alternate generation of *Callirhytis quercus-suttonii* (Bassett) (Hymenoptera: Cynipoidea). 4038

Some important aspects of cotton insect control. 4044

Defoliation effects on forest ecology. 4062

Weed control in fruits and nuts. 4070

Weed control in vegetables. 4071

Ragwort. 4073

Defoliation effects on forest ecology. 4080

Chemical weed control in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087

Reduction of preharvest drop and water spot of navel oranges in Southern California. 4331

What you should know about concentrate spraying. 4342

SPRAYING EQUIPMENT

Stretch your pest control dollars. 3922

The use of the pre-emergence herbicide Avadex and Avadex BW in the band spraying method. 4343

SQUIRRELS

Isolation of the tick-borne encephalitis virus from the squirrel *Sciurus vulgaris*. 4168

STABLES

Insects and mites of livestock and in farm buildings. 3792

Disinfection in parasitoses. 4148

STALK ROT

Hybrid corn yield reduction by stalk and root rot in Nebraska. 4027

STARVATION

The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100

STATISTICAL ANALYSIS

Reminiscence in the cold flour beetle (*Tenebrio molitor*). 3794

On the occurrence and seasonal dynamic of *Diptera*, *Tachinidae* in the reservation area of Jasov. 3808

Comparison of attenuated live *Pasteurella multocida* given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117

Spontaneous tumors in Holtzman-source rats of various ages. 4226

STATISTICAL METHODS

Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024

STELLARIA MEDIA

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 International Herbicide Conference, Prague, June 21-24, 1966. 4081

STEM ROT

Losses from fusarium stem rot caused by *Fusarium roseum*, in production of cuttings of carnation, *Dianthus caryophyllus*. 3969

STEM RUST

Stem rust of wheat in Canterbury. 3953

Air-borne rust inoculum over western Canada in 1968. 3962

Field evaluation of some fungicides for control of leaf and stem rusts of wheat. 4006

Occurrence of *Cronartium comptoniae* in the Maritime Provinces. 4018

STEMPHYLIUM

A flower blight of chrysanthemum in South Florida. 3955

STERILITY

Mexican fruit containment. 3879

STERIODS

The anabolic steroids and their use in veterinary therapeutics. 4099

Steroid alkaloids as compounds produced by potato tubers under stress. 4323

STORAGE

Effect of storage on cottonseed and cottonseed products. 4283

STORAGE DISEASES

Effect of an iodophor on shelf life of poultry. (Abstract). 4238

Irradiation treatment on wiener sausage with gamma-ray. 4285

STREBLIDAE

Faunal and ecological study on the families Nycteriidae and Streblidae (Dipt., Pupipara) of the Nangahar Province (Eastern Afghanistan). 3829

STREPTOMYCES VIRIDOCROMOGENES

Electron microscope examination of ultra-thin sections of *Streptomyces viridochromogenes* for hyphal anastomoses. 3910

STRESS

The conjugated plasma proteins in adult females of *Periplaneta americana* (L.) under starvation and other stress. 3788

Steroid alkaloids as compounds produced by potato tubers under stress. 4323

STRIGA

Domestic quarantine notices. Witchweed. Regulated areas. 4067

STRIPE SMUT

Chemical control of stripe smut in Merion Kentucky bluegrass. 3964

Additional varieties of *Agrostis palustris* infected by *Ustilago striiformis* var. *agrostidis*. 3968

STRONTIUM

Factors affecting the oxidation of glycerol-1-phosphate by insect flight-muscle mitochondria. 3815

Strontium metabolism in hens. (Abstract). 4258

SUCROSE

Isolation and characterization of ribonucleic acid from *Musca domestica* (L.). 3798

SUGAR

Size independent secretion by the corpus allatum of *Calliphora erythrocephala*. 3843

SUGAR BEETS

Plant virus diseases in Turkey which are transmitted by insect vectors. 4036

Further test of the control of *Avena fatua* in sugar beets. 4079

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 International Herbicide Conference, Prague, June 21-24, 1966. 4081

SUGARCANE

Morphological variation in the sugarcane smut, *Ustilago scitaminea* Syd. 3920

SULFADIMETHOXINE

Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180

Safety and compatibility of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum coccidiostat-antibacterial, in chickens. (Abstract). 4185

Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 4196

Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). 4197

SUBJECT INDEX

TABANIDAE

- SULFANILAMIDE**
 Safety and compatability of sulfadimethoxine potentiated mixture (Ro 5-0013), a new broad spectrum cocciostat-antibacterial, in chickens. (Abstract). 4185
 Anticoccidial activity of sulfadimethoxine potentiated mixture (Ro 5-0013) in chickens. 4196
 Antibacterial activity of sulfadimethoxine potentiated mixture (Ro 5-0013). (Abstract). 4197
- SULFAQUINOXALINE**
 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111
- SULFISOXAZOLE**
 Sulfisoxazole. Drugs for veterinary use; drug efficacy study implementation. 4178
- SULFUR**
 Controlling insects and other pests with phosphonothioates. Patent 3,428,655. 3850
 Sulfur amino acid requirement of laying hens. (Abstract). 4156
 The effect of different fungicides on the yeast flora during the treatment of grape vines. 4329
- SULFUR ISOTOPES**
 New data on accumulation of S35 and Ru106 by dragonfly nymphs (Odonata). 3820
- SUNFLOWERS**
 Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083
 Chemical weed control in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087
- SURRA**
 The natural occurrence of surra in the African longhaired fox. 4236
- SURVEYS**
 To the fauna of ixodid ticks of Mongolia. 3744
 On the Orthopterous fauna in the south of the Krasnoyarsk Territory. 3754
 Collembola fauna of Malta. 3774
 The entomology of the Isle of Rhum National Nature Reserve. 3775
 Materials to the knowledge of the scale insects fauna of Yugoslavia (Homoptera, Coccoidea). 3786
 A survey of leaf-miners and their parasites on Laburnum. 3797
 Survey, screening, and breeding for bacterial blight resistance in cotton. 3952
 Fungal and bacterial diseases of crucifers and cucurbits in western Ontario in 1967. 3996
 Nematodofauna of a mixed hornbeam-oak forest soil and of the neighboring cultivated lands at Bab near Nitra. 4055
 A survey of Brucella infection of cattle in Kenya. A comparison of four serological tests for the diagnosis of infection. 4202
 Mallophaga of domestic chickens from Cuba. 4268
 Current status of methods for identifying pesticides, a survey. (JPRS 32,031) 4303
- Growth regulator survey for activity in inducing parthenocarpny in the highbush blueberry. 4324
- SUSANA ANNULATA**
 The genus *Susana* Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773
- SUSANA OREGONENSIS**
 The genus *Susana* Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773
- SUSANA PUNCTATA**
 The genus *Susana* Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773
- SUSANA RUFA**
 The genus *Susana* Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773
- SWEETFERN BLISTER RUST**
 Occurrence of *Cronartium comptoniae* in the Maritime Provinces. 4018
- SWINE**
 Insects and mites of livestock and in farm buildings. 3792
 Biochemical research on hog cholera. Behavior of some enzymatic activities in the serum. 4132
 Animal food composition. Patent 3,428,457. 4159
 Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180
 The animal adenoviruses. 4217
 Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227
 Appetite suppression in hamsters and swine fed a dithiocarbamoylhydrazine (ICI 33828). 4241
 Comparative toxicology of organic and inorganic arsenicals in swine. 4306
 Proceedings of the American College of Veterinary Toxicologists, 1967. 4309
- SYMPOSIUM**
 Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260
- SYMPTOMATOLOGY**
 The training course of the European Plant Protection Organization in England. 3914
 Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967. 3938
 Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942
 Dutch elm disease detected in Alabama. 3947
 Virus diseases survey on citrus in the Black Sea region. 3951
 A flower blight of chrysanthemum in South Florida. 3955
 Diseases and parasites of the rose. 3956
 Broad-bean stain and true broad-bean mosaic virus. 3960
Aglaonema pictum, a new host of *Erwinia chrysanthemi*. 3982
 A new virus disease of *Carica papaya* in India. 4005
- Buggy-whip of corn and its relation to the incidence of common smut. 4017
 Illustrative scales for the evaluation of potato scab and *Rhizoctonia* infection. 4024
 Ragwort. 4073
 Inherited resistance to sulfaquinoxaline toxicity in the chicken. (Abstract). 4111
 Enterotoxaemia of calves evoked by *Clostridium perfringens* type B. 4114
 Notes on toxicology: The clover. 4122
 Contribution to the study of bovine mastitis due to fungi. 4125
 Leptospirosis in Argentina. Diffusion, morbidity and nosological map. 4127
 The infectious bursal agent and pathology of the disease. (Abstract). 4131
 The pathology of avian osteodystrophy. (Abstract). 4136
 Towards the eradication of bovine tuberculosis. 4172
 The mycotic abortions in the cow. 4194
 Contribution to the study of the treatment of bovine ketosis. 4200
 Observations on septicemia of cattle caused by a *Haemophilus*-like organism. 4211
 Milk fever in the dog. 4262
 Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
 Chemical injury on Golden Delicious apples treated with diphenylamine. 4328
- SYNERGISM**
 Studies on the increment of the efficacy of insecticides (IX). On the synergistic action of pyrethrosin with pyrethroid. 3826
- SYNERGISTS**
 Two types of carboxyesterase degrading malathion in resistant houseflies and their inhibition by synergists. 3859
- SYNETA BETULAE**
 Leaf beetle larvae of the subfamily Eumolpinae and of *Syneta betulae* F. (Coleoptera, Chrysomelidae). 3840
- SYNTHESIS**
 Pinocytosis during vitellogenesis in the mealworm, *Tenebrio molitor* L. (Coleoptera, Tenebrionidae). 3789
 Control systems in insect development. (abstract). 3872
- SYRPHIDAE**
 Chromosomes of Syrphidae. IV. Karyotypes of fourteen species in the tribe Chrysotoxini. 3893
- T, 2,4,5-**
 Defoliation effects on forest ecology. 4062
 Defoliation effects on forest ecology. 4080
- TABANIDAE**
 Climate and the phylogeny and distribution of Tabanidae. 3746

SUBJECT INDEX

TABLES (DATA)

The natural occurrence of surra in the African longhaired fox. 4236

TABLES (DATA)

Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski. 3758

Fauna and ecology of mosquitoes in the southern part of the Moscow district. 3770

Insects and mites of livestock and in farm buildings. 3792

Is it possible to predict apple moth infestations. 3868

Insect control for garden vegetables. 3916

Chemical weed control in sunflower cultures. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4087

Harmlessness of herbicides for the biocenosis. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4090

Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens. 4105

TACHINIDAE

On the occurrence and seasonal dynamic of Diptera, Tachinidae in the reservation area of Jasov. 3808

Review of the parasitic Diptera of the genus Eriothrix meigen (Diptera, Tachinidae) in the USSR. 3838

TAHYNA VIRUS

Food sources of some mosquito species in the natural focus of Tahyna virus in southern Moravia. 3854

Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary. 4167

TARSONEMIDAE

What the practitioner should know about arthropods. 3740

TAXONOMY

Contributions to the knowledge of Analgesoidea of Czechoslovakia. 3743

Phoma exigua Desm. and its varieties. 3945

The role of systematics in biology. 4344

TEGULA

Three species of Mexican Krombeinia having an elongated tegula with an extended apical angle (Hymenoptera: Tiphidae). 3793

TEMPERATURE

Temperature and circadian control of cuticle growth on the bug, Oncopectus fasciatus. 3814

Changes in gonads and primary sexual characters in triploid intersexes of Drosophila melanogaster (Diptera) exposed to the effect of different temperatures. 3842

The influence of photoperiod and temperature on the induction of diapause in mulberry pyralid, Glyphodes pyloalis Walker. 3858

Studies on sex pheromones of pyralididae. II. Mass rearing of virgin females of the almond moth, Cadra cautella Walker (Phycitinae). 3880

Effect of rearing condition on growth and development of the silkworm, Bombyx mori L., on artificial diet. II. 3882

Electrifying agriculture and horticulture. 3921

The effect of temperature on ascospore release by Scleroderris lagerbergii. 3928

Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infectivity. 3944

Low temperature sprays for Dutch elm disease control. 3957

Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118

Effect of environmental temperature on iron deficiency anemia in Athens-Canadian random-bred chicks. 4257

Effect of storage on cottonseed and cottonseed products. 4283

TENDIPEIDAE

On the determination of age structure of the larvae of Tendipedidae (Diptera). 3813

TENEBRIO MOLITOR

Pinocytosis during vitellogenesis in the mealworm, Tenebrio molitor L. (Coleoptera, Tenebrionidae). 3789

Reminiscence in the cold flour beetle (Tenebrio molitor). 3794

Juvenile hormone: Activity of aromatic terpenoid ethers. 3805

TENEBRIONIDAE

On nocturnal darkling beetles of the genus Melanesthes Lac. (Coleoptera, Tenebrionidae) from central Kazakhstan. 3772

TENTHREDINIDAE

The genus Susana Rohwer and Middleton (Hymenoptera: Tenthredinidae). 3773

TEPHRITIDAE

Paratephritis transitoria Rhod. (Diptera, Tephritidae), a fly that forms galls on tassel flowers in the Maritime Territory. 3833

Mexican fruit containment. 3879

TERPENOIDS

Juvenile hormone: Activity of aromatic terpenoid ethers. 3805

TESTING

Index tests of certified and uncertified nursery fruit trees in Washington in 1968. 3961

Buquinolate-A review. 4218

TETRACHLOROISOPHTHALONITRILE

A flower blight of chrysanthemum in South Florida. 3955

TETRAMISOLE

Further studies on the anthelmintic activity of 1-tetramisole against gastro-intestinal helminths in sheep. 4279

TETRANYCHIDAE

What the practitioner should know about arthropods. 3740

TETRANYCHUS URTICAE

Genetics of organophosphate resistance in the two-spotted spider mite (Tetranychus urticae Koch). 3905

THELAZIA GULOSA

Brief communication on the occurrence of the thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic. 4273

THELAZIA SKRJABINI

Brief communication on the occurrence of thelaciaepathogens of an enzootic eye disease in cattle in the German Democratic Republic. 4273

THERAPEUTICS

The anabolic steroids and their use in veterinary therapeutics. 4099

British poisonous plants. 4308

THERMOTHERAPY

Efficacy of fungicides, hot water and gamma-irradiation for control of postharvest fruit rots of papaya. 3971

THINNING (FRUIT)

Current status on chemical thinning of peaches and pears in Michigan. 3913

This may be the year for spray thinning. 3917

THINNING SPRAYS

This may be the year for spray thinning. 3917

THIOCARBAMATES

Diseases and parasites of the rose. 3956

Why is the disinfection treatment of corn seeds absolutely necessary. 4030

Damages done to beet seeds by the forest mouse (Apodemus sylvaticus). 4092

THIOPHENOL

Pesticidal uses of thiosubstituted phenols. Patent 3,443,012. 4341

THIRAM

Why is the disinfection treatment of corn seeds absolutely necessary. 4030

Damages done to beet seeds by the forest mouse (Apodemus sylvaticus). 4092

THORAX

An electron microscope study of thoracic mitochondrial membranes in developing adults of the blowfly Lucilia cuprina. 3887

THREONINE

The threonine requirement of the pullet and adult hen. (Abstract). 4199

THYROID GLAND

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100

THYROXINE

The influence of feed and water restriction and pitressin administration upon thyroxine secretion in domestic fowl. 4100

TILLAGE

Breeding and propagation of virus-free grapes in hydroponic cultures. 4045

Weeds mean waste Know your weeds and how to control them. 4066

Autumn weed control for continuous cereal growers. 4069

SUBJECT INDEX

TREMATODA

- Perennial bindweeds. 4074
- TIME**
 Avoid yellow dwarf virus by late sowing. 3981
- Aphids and virus in north Canterbury wheat, 1965-66 season. 4040
- Herbicides in the perspectives of 20 months and 20 years. 4089
- TINEIDAE**
 Taxonomy and distribution of the palearctic *Nemapogon* species (Lepidoptera, Tineidae). 3761
- TINGIDAE**
Acalypta pulchra sp. n.- A new species of Tingidae from Bulgaria. (Heteroptera, Tingidae). 3776
- TIPHIIDAE**
 Three species of Mexican *Krombeinia* having an elongated tegula with an extended apical angle (Hymenoptera: Tiphiidae). 3793
- TIPULIDAE**
 A description of the developmental stages of *Ctenophora guttata* Wied. and a review of the Czechoslovak species of the genus *Ctenophora* (Dipt., Tipulidae). 3847
- TISSUE CULTURE**
 Isolation and characterization of ribonucleic acid from *Musca domestica* (L.). 3798
- Multiplication of tobacco mosaic virus in suspension culture of tobacco cells. 3987
- The in vitro establishment of pith calluses and nodal tumors of *Brassica oleracea*. 4004
- Comparative interactions of *Erwinia carotovora* and *Erwinia amylovora* with pear and potato tissues. 4008
- Intestinal histology of vitamin A deficient chicks. (Abstract). 4113
- Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic relationships and cellular affinities. 4116
- Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorption with homogenized mouse kidney. 4124
- Progress of the Soviet virology in foot-and-mouth disease studies. 4181
- Avian virus-induced tumors. 4242
- Studies on several strains of pseudorabies (*Aujeszky*) virus showing different virulence by means of the immuno- and acridine orange fluorescence. 4266
- TISSUE THERAPY**
 The effect of various biogenic amines on the activity of the foregut of the cockroach, *Blaberus giganteus*. 3811
- TISSUE TRANSPLANTS**
 Study of the morphogenesis of the maxillary stylet of *Rhodnius prolixus* by transplantations of incomplete stylogenetic organs. 3862
- TISSUES**
 Lymphoepithelial tissues of the intestine and differentiation of antibody production. 4213
- Investigations concerning the ultrastructure and etiology of the mast cell tumors in the dog. 4259
- 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. 4297
- Investigation of the residues of two antibiotics of the macrolide family (oleandomycin and spiramycin) in the tissues of chickens receiving antibiotic feed supplements. 4301
- TOBACCO**
 Vitamin A deficiency: Effect on retinal structure of the moth, *Manduca sexta*. 3807
- Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infectivity. 3944
- The occurrence of the downy mildew disease of tobacco. 3984
- Multiplication of tobacco mosaic virus in suspension culture of tobacco cells. 3987
- Effects of tobacco mosaic virus on the phosphorus metabolism of *Nicotiana xanthi* n. c. 4000
- The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014
- Wild species as a source of resistance to diseases. 4016
- Controlling weeds in tobacco with benefin. 4065
- Control of *Orobanche* under natural and artificially infested conditions. 4068
- Plant injury by air pollutants: Influence of humidity on stomatal apertures and plant response to ozone. 4326
- TOLERANCES**
 Experiences with residue research in lettuce. 4291
- Some remarks on plant protection preparation-tolerances. 4292
- Notice of filing of petition regarding pesticide chemicals. 4293
- O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for pesticide chemical. 4294
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dicamba. 4295
- 2,4-dichlorophenyl p-nitrophenyl ether. Notice of extension of temporary tolerances. 4296
- Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Food additives. Phosalone. 4298
- Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299
- The first maximum dosage regulation for plant protection preparations in the Federal Republic of Germany. 4347
- TOMATOES**
 How to prevent sun and heat damage to desert-grown tomatoes. 3909
- Reaction of tomato varieties against *Alternaria solani* and *Cladosporium fulvum*. 3935
- Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development. 3974
- Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts. 3997
- The tobacco mosaic virus (TMV) in the nutritive solution of the tomato hydroponous culture. 4014
- Possibilities for *Botrytis cinerea* control, especially in tomatoes. 4019
- 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 International Herbicide Conference, Prague, June 21-24, 1966. 4081
- TOXASCARIS LEONINA**
 An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- TOXICOLOGY**
 Insect metabolism of photoaldrin and photodieldrin. 3837
- Comparative toxicology of organic and inorganic arsenicals in swine. 4306
- British poisonous plants. 4308
- Proceedings of the American College of Veterinary Toxicologists, 1967. 4309
- Effects of heptachlor and nicotine on the barbels of a catfish (*Heteropneustes fossilis*). 4310
- Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
- Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316
- TOXINS**
 The toxic action of a mixture of gamma-BHC and EDB to *Cryphalus fulvus* Nijjima. Studies on the control of forest pests. V. 3857
- TOXOCARA**
 Toxocarasis in man and animals. 4282
- TOXOCARA CANIS**
 Notice of filing of petition for food additive nitrodan. 4144
- An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277
- TOXOPLASMA GONDII**
 Toxoplasma infection: Some factors possibly contributing to the mechanism of toxoplasmic infection. 4189
- TOXOPLASMOSIS**
 Toxoplasma infection: Some factors possibly contributing to the mechanism of toxoplasmic infection. 4189
- TRACTORS**
 Brush control through shredding. 4077
- TREE DISEASES**
 The attraction to *Pissodes notatus* (Col. Curculionidae) of the wounds formed by *Matsuococcus feytaudi* Duc. (Hom. Coccoidea) on maritime pine. 4034
- TREMATODA**
 Minimum time for development and life span of metacercariae. 4270

SUBJECT INDEX

TRIAZINE

TRIAZINE

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

Chemical control of weeds in the Hungarian vineyards. In: collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4086

TRIAZINES

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

Process for the production of substituted triazines. Patent 3,428,636. 4337

TRICHINELLA SPIRALIS

Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227

Trichinella spiralis infection in Rattus norvegicus from the municipal abattoir of Santiago, Chile. 4228

TRICHINOSIS

Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin. 4227

Trichinella spiralis infection in Rattus norvegicus from the municipal abattoir of Santiago, Chile. 4228

TRICHOCLADIUS

Occurrence of the species Trichocladius trifascia Edwards (Chironomidae, Diptera) in the Danube. 3816

TRICHOPTERA

Use of freshwater sponge in case construction of Limnephilus species (Trichoptera: Limnephilidae). 3810

Studies of neotropical caddis flies. VIII: The immature stages of Barypenthus claudens (Trichoptera: Odontoceridae). 3818

New data on the biology of caddisflies (Trichoptera, Limnephilidae, Apataniinae) of Lake Baical. I. Life span and mass flight of adults. 3851

The behavior of adults of abundant species of caddisflies (Trichoptera) in the tributaries of Lake Sevan. 3852

TRICHURIS VULPIS

An attempt to eliminate the principal parasitic nematodes of dogs by using a new phosphoric ester. 4277

TRIFLURALIN

Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299

TRYPANOSOMA EVANSI

The natural occurrence of surra in the African longhaired fox. 4236

TRYPANOSOMIASIS

Comparative studies of American and African Trypanosomiasis. 3908

The natural occurrence of surra in the African longhaired fox. 4236

TRYPTOPHAN

Effect of Sclerospora graminicola infection on total nitrogen content and free amino acid composition of Bajra plants. 3995

TUBERCULIN

Towards the eradication of bovine tuberculosis. 4172

TUBERCULIN TEST

Allergy tests and false reactions in the prevention of bovine tuberculosis. 4150

TUBERCULOSIS

Tests on laboratory animals and on tubercular cows in order to determine the value of the moruato cupric colloidal (gadusan) in the intradermal reaction. 4115

Serological typing of mycobacteria for tracing possible sources of avian mycobacterial infections in man. 4170

Towards the eradication of bovine tuberculosis. 4172

TURF

Perennial bindweeds. 4074

TURKEY EGGS

Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118

The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract). 4198

TURKEYS

The effects of reserpine on the reproductive performance of breeder turkeys receiving artificial insemination. 4106

Emtryl and antibiotics for turkey breeders. (Abstract). 4112

Comparison of attenuated live Pasteurella multocida given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117

Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118

Epizootiology of influenza in turkeys. (Abstract). 4157

Relationship of biotin to leg weakness in turkeys. (Abstract). 4161

Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171

The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract). 4198

Amino acids and isonitrogenous turkey starter diets. (Abstract). 4207

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract). 4245

Persistence of Mycoplasma meleagridis in the genitalia of experimentally infected turkeys. (Abstract). 4263

Effect of spectinomycin on experimentally induced Arizona group infection in turkeys. (Abstract). 4265

TYLENCHULUS SEMIPENETRANS

Control of the citrus nematode, Tylenchulus semipenetrans, with 1,2-dibromo-3-chloropropane in Taiwan. 4057

TYLOSIN

Experimental control Mycoplasma meleagridis in turkeys by the temperature differential dipping of eggs in tylosin and spiramycin. (Abstract). 4118

The use of serologic methods for the control of Mycoplasma meleagridis in turkeys. (Abstract). 4198

Field significance of Mycoplasma meleagridis infection. (Abstract). 4214

TYLOSIN TARTRATE

Control of Mycoplasma meleagridis infection in turkeys. (Abstract). 4171

UDDERS

Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176

ULMUS

Low temperature sprays for Dutch elm disease control. 3957

ULMUS ALATA

Dutch elm disease detected in Alabama. 3947

The identity of Phyllactinia on winged elm in Georgia. 3965

ULTRASTRUCTURE

Physiological and ultrastructural study of the corpora allata of Locusta migratoria L. (Orthoptera) in the gregarious phase. 3831

Purification, ultrastructure, and composition of axial filaments from Leptospira. 4188

On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235

UREA

Experimental studies on the ammonia poisoning of the goat. I. On the capacity to detoxicate ammonia entering through the portal blood. 4305

UREA COMPOUNDS

New herbicides for controlling weeds in upland rice. 4076

UREMIA

A case of bilateral polycystic kidneys in a cat. 4137

Chronic follicular hypertrophic-hyperplastic gastritis in a dog. 4138

USTILAGO NUDA

Virulence of various groups of loose smut of barley, (Ustilago nuda (Jens.) Rostr.) physiological races in the light of anatomical investigations of spring barley varieties different with regard to resistance. I. Spreading of pathogene in host plant tissue. 3978

USTILAGO STRIIFORMIS

Chemical control of stripe smut in Merion Kentucky bluegrass. 3964

Additional varieties of Agrostis palustris infected by Ustilago striiformis var. agrostidis. 3968

USTILAGO TRITICI

A race of Ustilago tritici virulent on Thatcher wheat and its derivatives. 3989

UTERUS

Estrogenic activity of o,p'-DDT in the mammalian uterus and avian oviduct. 4095

VACCINES

Duck virus enteritis (duck plague). Interstate movement. 4110

Comparison of attenuated live Pasteurella multocida given in drinking water to an oil-base bacterin administered to turkeys. (Abstract). 4117

Progress of the Soviet virology in foot-and-mouth disease studies. 4181

The epizootiological importance of foot-and-mouth disease carriers. II. The carrier status of cattle exposed to foot-and-mouth disease follow-

SUBJECT INDEX

VIRUS DISEASES (PLANTS)

- ing vaccination with an oil adjuvant inactivated virus vaccine. 4191
- Symposium on Brucellosis in Ireland. I. Brucellosis: Bacteriology and epidemiology. II. Brucellosis: Serological diagnosis. III. Vaccines and brucellosis. 4260
- VEGETABLES**
- Insect control for garden vegetables. 3916
- The causes of disease in plant pathology. 3939
- Plant virus diseases in Turkey which are transmitted by insect vectors. 4036
- Overwintering of *Meloidogyne incognita* in southwestern Ontario. 4047
- Weed control in vegetables. 4071
- Distribution, importance and problems of herbicide use in Yugoslavia. In: Collection of reports given at the International Herbicide Conference, Prague, June 21-24, 1966. 4083
- Chemical weed control problems in outdoor vegetable growing. 4088
- Tolerances and exemptions tolerances for pesticide chemicals in or on raw agricultural commodities. Trifluralin. 4299
- VEGETATION**
- Fauna of the Heteroptera on town waste neopedon of the Prague periphery. 3767
- VENTILATION**
- Contribution to the study of hydrogen sulfide poisoning of domestic animals. 4311
- VENTURIA PIRINA**
- Supplement to the Plant Protection bulletin. 3923
- VERTEBRATES**
- Ticks of the National Reactor Testing Station. 4267
- VERTICILLIUM**
- Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts. 3997
- VERTICILLIUM ALBO-ATRUM**
- Resistance of dwarf-internode castor (*Ricinus communis*) to *Verticillium* wilt. 3946
- VETERINARY MEDICINE**
- The anabolic steroids and their use in veterinary therapeutics. 4099
- Disinfection in parasitoses. 4148
- Embryostat (oxytetracycline powder). Drugs for veterinary use, drug efficacy study implementation. 4173
- Nicarbazin. Drugs for veterinary use; drug efficacy study implementation. 4174
- Sodium propionate. Drugs for veterinary use; drug efficacy study implementation. 4175
- Spohn's udder aid. Drugs for veterinary use; drug efficacy study implementation. 4176
- Dextran 6 percent W/V in saline (plasma volume expander). Drugs for veterinary use; drug efficacy study implementation. 4177
- Sulfisoxazole. Drugs for veterinary use; drug efficacy study implementation. 4178
- Nystatin for feed formulation. Drugs for veterinary use. drug efficacy study implementation. 4179
- Sulfadimethoxine injectable. Drugs for veterinary use; drug efficacy study implementation. 4180
- Proceedings of the American College of Veterinary Toxicologists, 1967. 4309
- Some recent aspects of veterinary toxicology: Attempted comparison with human toxicology. 4316
- VIROLOGY**
- Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967. 3938
- Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942
- Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infectivity. 3944
- The present state of grape culture virus research. 3948
- 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* Hort. 3959
- Broad-bean stain and true broad-bean mosaic virus. 3960
- Multiplication of tobacco mosaic virus in suspension culture of tobacco cells. 3987
- Newcastle disease virus. Characteristics of a strain (2425) isolated in Cordoba, Argentina in 1961. II. Comparative study of immunologic relationships and cellular affinities. 4116
- Virulence, adsorbability, and antigenicity of foot-and-mouth disease virus selected by adsorption with homogenized mouse kidney. 4124
- C -type viral particles in plasma of cats with feline leukemia. 4164
- Progress of the Soviet virology in foot-and-mouth disease studies. 4181
- Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215
- The animal adenoviruses. 4217
- Electron microscopy as an aid to the rapid identification of animal viruses. 4239
- Avian virus-induced tumors. 4242
- VIRULENCE**
- Determination of the virulence of the *Mycobacterium tuberculosis* by the fluorescence method. 4248
- Studies on several strains of pseudorabies (Aujeszky) virus showing different virulence by means of the immuno- and acridine orange fluorescence. 4266
- VIRUS DISEASES (ANIMALS)**
- Food sources of some mosquito species in the natural focus of Tahyna virus in southern Moravia. 3854
- Duck virus enteritis (duck plague). Interstate movement. 4110
- 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
- The interaction of a nonpathogenic *Mycoplasma* sp. (TU) with *Mycoplasma gallisepticum*, and Newcastle disease virus in the avian respiratory tract. (Abstract). 4134
- Studies on acute Marek's disease. 9. Resistance to MD by inoculation with the GA isolate. 4147
- Proteins before and after inoculation with RSV. (Abstract). 4153
- Epizootiology of influenza in turkeys. (Abstract). 4157
- C -type viral particles in plasma of cats with feline leukemia. 4164
- Polyvalent parainfluenza CF antigen for serodiagnosis. 4166
- Isolation of the tick-borne encephalitis virus from the squirrel *Sciurus vulgaris*. 4168
- Progress of the Soviet virology in foot-and-mouth disease studies. 4181
- The epizootiological importance of foot-and-mouth disease carriers. II. The carrier status of cattle exposed to foot-and-mouth disease following vaccination with an oil adjuvant inactivated virus vaccine. 4191
- Pathogenesis of and recovery from respiratory syncytial and influenza infections in ferrets. 4215
- The animal adenoviruses. 4217
- Egg transmission studies of Type II leukosis infection (Marek's disease). 4230
- The levels of Type II infection (Marek's disease) in 8-week-old chickens processed at dressing plants. (Abstract). 4231
- On the structure of horse influenza virus. A contribution to the ultrastructure of influenza viruses. 4235
- Electron microscopy as an aid to the rapid identification of animal viruses. 4239
- Avian virus-induced tumors. 4242
- VIRUS DISEASES (PLANTS)**
- The training course of the European Plant Protection Organization in England. 3914
- The importance of applied entomology for Austrian plant protection. 3926
- Virus diseases and the selection of grapes. 3937
- Notes on the International Meeting on Virus and Virus Diseases of Grapes, held at Bernkastel (West Germany) in September 1967. 3938
- Investigations on hydrangea ring spot virus and proof of its presence in Italy. 3942
- Freezing and thawing of purified suspensions of the tobacco mosaic virus and its effect on infectivity. 3944
- The present state of grape culture virus research. 3948
- Plant pathology field day. 3949
- Virus diseases survey on citrus in the Black Sea region. 3951
- Maize dwarf mosaic-Effects of virus strains A and B on yield and interaction effects of atrazine and the virus on yield. 3954

SUBJECT INDEX

VISION

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* Hort.

3959

Broad-bean stain and true broad-bean mosaic virus.

3960

Index tests of certified and uncertified nursery fruit trees in Washington in 1968.

3961

Prevention of the spread of non-persistent plant viruses by oil spraying.

3963

Avoid yellow dwarf virus by late sowing.

3981

Multiplication of tobacco mosaic virus in suspension culture of tobacco cells.

3987

A transmissible fruit-depression disease of McIntosh apples.

3991

Distribution and host range of maize dwarf mosaic virus in Virginia.

3998

Effects of tobacco mosaic virus on the phosphorus metabolism of *Nicotiana xanthi* n. c.

4000

Effects of early 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.

4001

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. June.

4011

Plant protection. Bulletin of the Plant Disease Station of Geneva. October.

4012

Plant protection. Bulletin of the Plant Disease Station of Geneva. 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.

4016

Transmission of the virus component of the ragi (*Eleusine coracana*) disease-complex in Mysore, India.

4028

Plant virus diseases in Turkey which are transmitted by insect vectors.

4036

Aphids and virus in north Canterbury wheat, 1965-66 season.

4040

Insecticide granules and virus in autumn-sown wheat.

4041

Breeding and propagation of virus-free grapes in hydroponic cultures.

4045

VISION

Fundamental properties of intensity, form, and 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*.

3807

Intestinal histology of vitamin A deficient chicks. (Abstract).

4113

The efficacy of trans and cis vitamin A. (Abstract).

4158

VITAMIN D

Milk fever in the dog.

4262

Zinc toxicity and vitamin D for chicks. (Abstract).

4314

VITAMIN E

Effect of ascorbic acid withdrawal on interior egg quality. (Abstract).

4204

VITAMIN K

The relation of protein level of alfalfa meals to their vitamin K activity. (Abstract).

4130

WARFARIN

Epizootics of trichinosis in pigs and its relation with anti-rat procedures using warfarin.

4227

WATER

Salt and water transport by the in vitro cockroach midgut.

3870

Low temperature sprays for Dutch elm disease control.

3957

Comparison of attenuated live *Pasteurella multocida* given in drinking water to an oil-base bacterin administered to turkeys. (Abstract).

4117

Therapeutic efficacy of ronidazole in water against histomoniasis and effect of continuous feed levels on growth in turkeys. (Abstract).

4245

WATER POLLUTION

Chemical weed control in irrigation channels and drains.

4061

Research into environmental pollution.

4290

WAXES

Disinfection in parasitoses.

4148

WEATHER

Pseudomonas syringae infection of sweet cherry fruit in Utah.

3934

WEED CONTROL

Weeds mean waste Know your weeds and how to control them.

4066

Control of *Orobanche* under natural and artificially infested conditions.

4068

Autumn weed control for continuous cereal growers.

4069

Foaming agents as ground cover against weeds.

4078

Studies on weed control in groundnut (*Arachis hypogaea*) - a review.

4082

WEEDS

Plant protection in the heart of Europe. Austria's contribution to the international fight against plant pests and diseases and, through this, to the improvement of the food situation.

3911

Now can you spot those weeds.

4059

Weeds mean waste Know your weeds and how to 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.

4086

Chemical weed control problems in outdoor vegetable growing.

4088

WEST NILE VIRUS

Hemagglutination inhibiting antibodies to arboviruses in the population of Hajdu-Bihar District, Hungary.

4167

WHEAT

Stem rust of wheat in Canterbury.

3953

Studies of *Leptosphaeria avenaria* f. sp. *triticea* on wheat in North Dakota.

3970

Lodging resistance in wheat. II. Identification of superior genetic stocks.

3977

A race of *Ustilago tritici* virulent on Thatcher wheat and its derivatives.

3989

Leaf rust of wheat in Canada in 1968.

3999

Field evaluation of some fungicides for control of leaf and stem rusts of wheat.

4006

The effect of low doses of gamma irradiation upon the rate of infection of plants with powdery mildew. II. A differentiated susceptibility of winter wheat *zelazna* variety to infection with powdery mildew (*Erysiphe graminis* f. *tritici* DC March).

4009

Aphids and virus in north Canterbury wheat, 1965-66 season.

4040

Insecticide granules and virus in autumn-sown wheat.

4041

O-isopropoxyphenol methylcarbamate. Notice of establishment of temporary tolerance for pesticide chemical.

4294

WILT

Resistance of dwarf-internode castor (*Ricinus communis*) to *Verticillium* wilt.

3946

Fusarium wilt (race 2) of tomato: Calcium, pH, and micronutrient effects on disease development.

3974

Development of a new variety of tomato named Miguel pereira, with resistance to both *Fusarium* and *Verticillium* wilts.

3997

Investigations on cotton wilt in Western Turkey.

4252

WINGS (INSECTS)

Structure and development of the imaginal wing discs of larva in a holometabolous insect, *Bombix mori* (Lepidoptera, Bombycidae).

3806

Hereditary nature of the two forms of *Argyrogramma albostriata* (Bremer and Grey) (Noctuidae, Plusiinae).

3898

XANTHOMONAS MALVACEARUM

Detectable levels of *Xanthomonas malvacearu* in cotton gin debris with the seed-soak method.

4002

XANTHOPIMPLA

The neotropical species of *Xanthopimpla* (Hymenoptera: Ichneumonidae).

3782

YEASTS

The effect of different fungicides on the yeast flora during the treatment of grape vines.

4329

YELLOW DWARF

Avoid yellow dwarf virus by late sowing.

3981

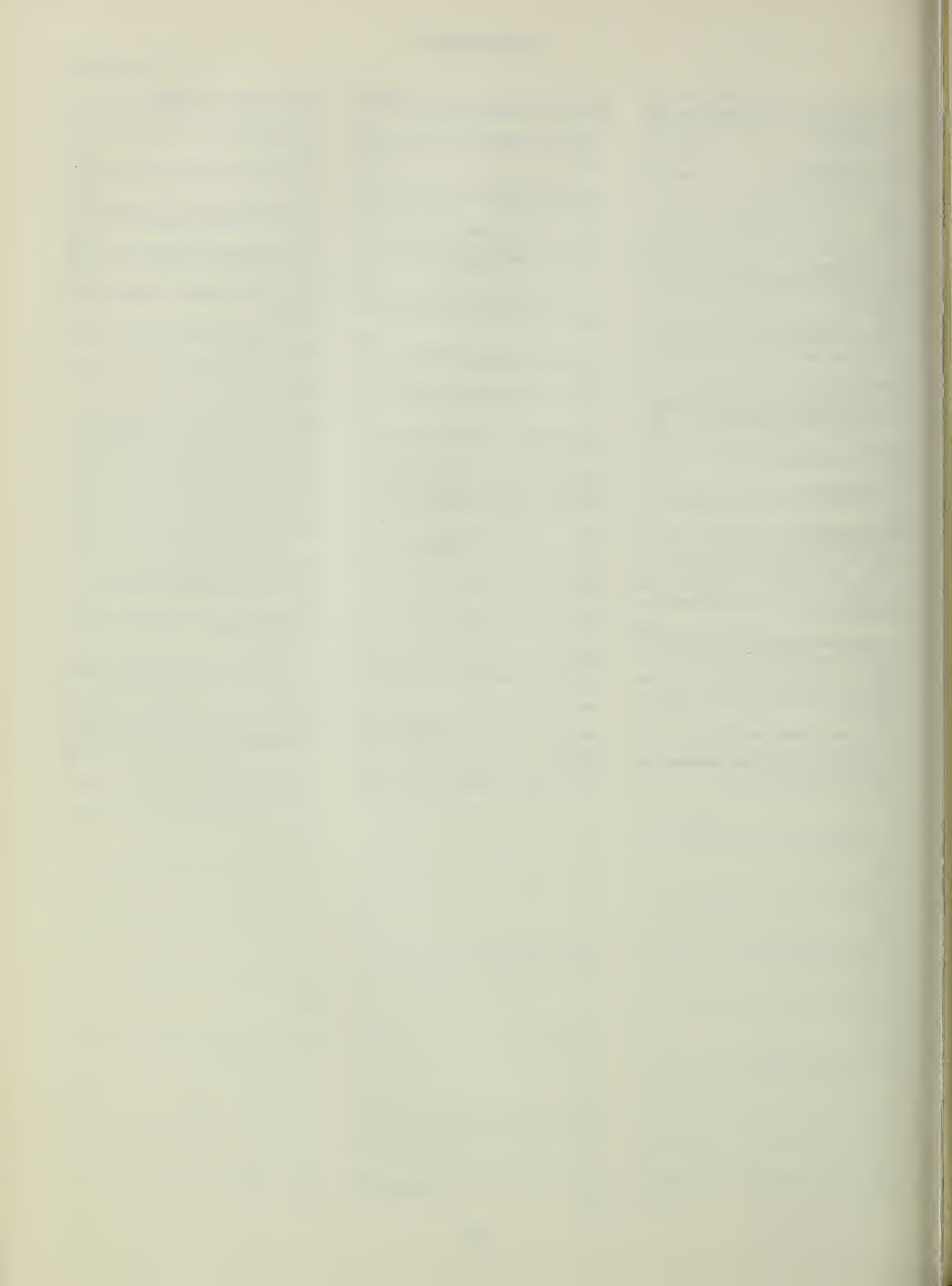
Aphids and virus in north Canterbury wheat, 1965-66 season.

4040

Insecticide granules and virus in autumn-sown wheat.

4041

- YOLK SAC**
Pinocytosis during vitellogenesis in the meal-worm, *Tenebrio molitor* L. (Coleoptera, Tenebrionidae). 3789
- ZETHES PEPLARIA**
Conodontis peplaria Geyer, a noctuid, not a geometrid (Lepidoptera). 3762
- ZINC**
Zinc toxicity and vitamin D for chicks. (Abstract). 4314
- ZINC ISOTOPES**
Influence of various chelating agents on absorption of ⁶⁰Co, ⁵⁹Fe, ⁵⁴Mn, and ⁶⁵Zn by chickens. 4105
Effect of prolonged infection by intestinal coccidia upon zinc-65 and oleic acid absorption in broilers. (Abstract). 4250
- ZINC SULFATE**
Changes in insecticide sensitivity in the bean weevil *Acanthoscelides obtectus* Say, brought about by induced pigment formation. 3867
- ZINEB**
Diseases and parasites of the rose. 3956
- ZOO ANIMALS**
Investigations on Coccidia in zoo ruminants. 4195
- ZOOGEOGRAPHY**
Studies on the Crambinae (Lepidoptera). Part 44. New Neotropical genera and species. Preliminary check-list of Neotropical Crambinae. 3741
Contributions to the knowledge of Analgesoidea of Czechoslovakia. 3743
Contribution to the fauna of the Congo (Brazzaville). Mission of A. Villiers and A. Descarpentries. XLV. Coleoptera Ochodaeidae. 3745
Climate and the phylogeny and distribution of Tabanidae. 3746
Catalog of the Coleoptera of Angola. 3747
Three new records of the genus *Phanaeus* from Georgia (Coleoptera: Scarabaeidae). 3748
- Geographic distribution of the ant genus *Formica* (Hymenoptera: Formicidae). 3750
A new click beetle of the genus *Agriotes* Esch. (Coleoptera, Elateridae) from Soviet central Asia. 3751
On the Orthopterous fauna in the south of the Krasnoyarsk Territory. 3754
Notes on the Chrysomelidae from Taiwan I. 3755
Papilionoidea and Hesperioidea (Lepidoptera) of the virgin forest of Bialowieski. 3758
On the status of Cresson's *Stenophasmus* species from Cuba (Hymenoptera: Braconidae: Doryctinae). 3759
The palearctic species of *Megatoma* Herbst (Coleoptera, Dermestidae). 3760
Taxonomy and distribution of the palearctic *Nemapogon* species (Lepidoptera, Tineidae). 3761
The colonization of Lake Constance with Chironomidae. 3765
Ecological and systematic investigations of the Chironomidae (Diptera) of Lake Constance. A contribution to the lake chironomide fauna of the northern foothills of the Alps. 3766
Fauna of the Heteroptera on town waste neopedon of the Prague periphery. 3767
A contribution to the genus *Mantis* Linne and *Paramantis*, nov. (Mantidae). 3768
Fauna and ecology of mosquitoes in the southern part of the Moscow district. 3770
Supplementary communication concerning the occurrence of *Caradrina kadenii* Frr. (Lep.Noct.) in Switzerland. 3771
Collembola fauna of Malta. 3774
Three new species of Eriophyid mites (Acariformes: Eriophyidae, Rhyncaphytopidae) from Poland. 3779
New distribution records for *Meropleon titan* Todd (Cepidoptera: Noctuidae). 3781
Sphecoidea from the Ryukyus and Formosa (Hymenoptera). 3783
Materials to the knowledge of the scale insects fauna of Yugoslavia (Homoptera, Coccoidea). 3786
New species of *Hypera* (Coleoptera, Curculionidae) from the Crimean Mountains. 3787
On the occurrence and seasonal dynamic of Diptera, Tachinidae in the reservation area of Jasov. 3808
Occurrence of the species *Trichocladius trifascia* Edwards (Chironomidae, Diptera) in the Danube. 3816
European species of the genus *Myospila* Rond. (Dipt., Muscidae). 3823
Remarks on fluctuations in density of Carabidae populations. 3824
Faunal and ecological study on the families Nycteriidae and Streblidae (Dipt., Pupipara) of the Nangahar Province (Eastern Afghanistan). 3829
Review of the parasitic Diptera of the genus *Eriothrix meigen* (Diptera, Tachinidae) in the USSR. 3838
The insect fauna in the burrows of the long-clawed mole-voles, a Caucasian endemic species. 3845
New data on the biology of caddisflies (Trichoptera, Limnephilidae, Apataniinae) of Lake Baikal. I. Life span and mass flight of adults. 3851
The behavior of adults of abundant species of caddisflies (Trichoptera) in the tributaries of Lake Sevan. 3852
A contribution to the bionomy of *Culex modestus* Fic. (Diptera, Culicidae) in southern Moravia. 3855
Distribution of seed beetles (Coleoptera, Bruchidae) in the forest-steppe zone of the Eastern Ukraine. 3869
Golden nematode found in Delaware. 4056



BIOGRAPHICAL INDEX

- Adiyodi, K G**
Kerala Univ., Trivandrum, India; Dept. of Zoology
3788
- Adler, H E**
California Univ., Davis; Dept. of Epidemiology and Preventive Medicine
4108
- Aggarwal, S K**
Michigan State Univ., East Lansing; Dept. of Zoology
3789
- Aidley, D J**
Oxford Univ., England; Dept. of Zoology
3791
- Allan, W C**
Guelph University; Ontario Agricultural College; Dept. of Zoology
3792
- Allen, H W**
Academy of Natural Sciences, Philadelphia, Pa.; Dept. of Entomology
3793
- Alloway, T M**
Northwestern Univ., Evanston, Ill.; Dept. of Psychology
3794
- Allred, D M**
Brigham Young Univ., Provo, Utah
4267
- Ambo, K**
Tohoku Univ., Sendai, Japan; Dept. of Animal Husbandry
4305
- Anderson, J L**
Utah State Univ., Logan
3934
- Anderson, R J**
Department of Agriculture, Washington, D. C.; Agricultural Research Service
4110
- Anderson, R J**
Department of Agriculture, Washington, D. C.; Agricultural Research Service
4346
- Andrianova, N S**
Moscow State Univ., USSR; Dept. of Entomology
3795
- Anthon, E W**
Washington State Univ., Pullman; Tree Fruit Experiment Station
4032
- Arthur, J A**
Hy-Line Poultry Farms, Johnston, Iowa; Research Dept.
4111
- Askew, R R**
Manchester Univ., England; Dept. of Zoology
3797
- Aulakh, K S**
Punjab Agricultural Univ., Ludhiana, India; Dept. of Plant Breeding
3935
- Avens, J S**
Colorado State Univ., Fort Collins; Dept. of Poultry Science
4094
- Awoderu, V A**
Federal Dept. of Agricultural Research, Ibadan, Nigeria; Plant Pathology Div.
3936
- Balazs, I**
Chile Univ. School of Medicine, Santiago; Chair of Chemistry
3798
- Balazy, S**
Katedra Ochrony Lasu WSR, Poznan, Poland
3799
- Baldacci, E**
Milan Univ., Italy; Istituto di Patologia Vegetale
3910
- Baldacci, E**
Milan Univ., Italy; Istituto di Patologia Vegetale
3938
- Baldacci, E**
Milan Univ., Italy; Istituto di Patologia Vegetale
3939
- Baldacci, E**
Osservatorio per le malattie delle Piante, Milan, Italy; Sezione Patologia Vegetale
3940
- Baldacci, E**
Osservatorio per le Malattie delle Piante, Milan, Italy
4045
- Baldacci, E**
Milan Univ., Italy; Istituto di Patologia Vegetale
4060
- Ballantyne, B**
Department of Agriculture, Rydalmere, Australia; Biology Branch
3941
- Balloon, S L**
Iowa State Univ. of Science and Technology, Ames; Dept. of Poultry Science
4112
- Bavenboer, L**
Research Station for Fruit and Vegetable Growing under; Glass, Naaldwijk, Netherlands
4291
- Bayer, R C**
Vermont Univ., Burlington; Dept. of Poultry Science
4113
- Beament, J W L**
Cambridge Univ., England; Dept. of Zoology
3800
- Beer, J**
Humboldt Univ., Berlin, East Germany; Institut für Mikrobiologie und Tierseuchenlehre
4114
- Belli, G**
Centro Nazionale SUI Virus dei Vegetali del C.N.R.; Italy
3942
- Benes, K**
Charles Univ., Prague, Czechoslovakia; Chair for Systematic Zoology
3801
- Benitez, J A**
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4115
- Bennett, F D**
Commonwealth Institute of Biological Control, Bermuda
3802
- Beran, F**
Bundesanstalt für Pflanzenschutz, Vienna, Austria
3803
- Beran, F**
Bundesanstalt für Pflanzenschutz, Vienna, Austria
3911
- Bergman, B H H**
Laboratory for Flowerbulb Research, Lisse, Netherlands
3943
- Betto, E**
Milan Univ., Italy; Istituto di Patologia Vegetale
3944
- Bierer, B W**
Clemson Univ., S. C.; Dept. of Poultry Science
4117
- Bigland, C H**
Saskatchewan Univ., Saskatoon; Dept. of Veterinary Microbiology
4118
- Bill, S M**
State Rivers and Water Supply Commission, Victoria; Australia
4061
- Bird, G W**
Canada Dept. of Agriculture, Harrow, Ontario; Research Station
4046
- Bird, G W**
Canada Dept. of Agriculture, Harrow, Ontario; Research Station
4047
- Bitman, J**
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4095
- Bleszynski, S**
Polish Academy of Sciences, Krakow; Inst. of Systematic Zoology
3741
- Bockmann, H**
Biologische Bundesanstalt, Kiel-Kitzeberg, West Germany; Institut für Getreide-, Ölfrucht- und Futtermittelpflanzenkrankheiten
3912
- Bodnaryk, R P**
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3804
- Boerema, G H**
Plantenziektenkundige Dienst, Wageningen, Netherlands
3945
- Bohm, H**
Bundesanstalt für Pflanzenschutz, Vienna, Austria
4033
- Bohm, K H**
Tierärztliche Hochschule, Hanover, West Germany; Institut für Mikrobiologie und Tierseuchen
4119
- Borgo, G D**
Washington State Univ., Pullman; Dept. of Animal Sciences
4120
- Bots, G T A M**
Central Inst. for Nutrition and Food Research TNO, Zeist; Netherlands
4121
- Bowers, W S**
Agricultural Research Service, Beltsville, Md.; Insect Physiology Lab.
3805
- Boyes, J W**
McGill Univ., Montreal, Quebec; Dept. of Genetics
3893
- Brigham, R D**
Texas A. and M. Univ., Lubbock
3946
- Brown, H D**
Forest Service, Pineville, La.; Div. of Forest Pest Control
3947
- Brown, S W**
California Univ., Berkeley; Dept. of Genetics
3894
- Bruckbauer, H**
Landes-Lehr und Forschungsanstalt für Wein- und Gartenbau; Neustadt/Weinstrasse, West Germany
3948
- Buck, W B**
Iowa State Univ., Ames; Veterinary Diagnostic Lab.
4306
- Bukovac, M J**
Michigan State Univ., East Lansing; Dept. of Horticulture
3913
- Bukovac, M J**
Michigan State Univ., East Lansing
4318
- Burcham, L T**
4701 Crestwood Way, Sacramento, Calif. 95822
4062
- Burks, B D**
Agricultural Research Service, U. S. National Museum; Washington, D. C.; Systematic Entomology Lab.
3742
- Butterworth, F M**
Oakland Univ., Rochester, Mich.; Dept. of Biology
3895
- Byford, W J**
Broom's Barn Experimental Station, Higham, Bury St. Edmunds; England
3949
- Cals, P**
Paris Univ., France; Laboratoire de Zoologie
3806
- Calston, A W**
Yale Univ., New Haven, Conn.; Dept. of Biology
4319
- Calvert, C C**
Agricultural Research Center, Beltsville, Md.; Poultry Research Branch
4123
- Camenzind, R**
Zoologisches Inst. der E. T. H. Zurich, Switzerland
3896
- Campbell, C H**
Agricultural Research Service, Greenport, Long Island, N. Y.; Plum Island Animal Disease Lab.
4124
- Carle, P**
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4034

BIOGRAPHICAL INDEX

Carlson, S D

- Carlson, S D
Virginia Polytechnic Inst., Blacksburg; Dept. of Entomology 3807
- Carter, J C
Illinois Natural History Survey, Urbana 3950
- Casinovi, C G
Istituto Superiore di Sanita, Rome, Italy; Lab. di Chimica Biologica 4334
- Cedro, V C F
Instituto Nacional de Tecnologia Agropecuaria, Buenos; Aires, Argentina; Instituto de Zoonosis 4126
- Cedro, V C F
Instituto Nacional de Tecnologia Agropecuaria, Buenos; Aires, Argentina; Instituto de Zoonosis 4127
- Cengiz, A
Zirai Mucadele Enstitusu, Adana, Turkey; Viroloji Lab. 3951
- Cepelak, J
Vysokej školy polndhospodarskej, Nitra, Czechoslovakia; Katedra Zoologie 3808
- Cerny, V
Czech Academie of Sciences, Prague; Dept. of Parasitology 3743
- Cerny, V
Czechoslovak Academy of Sciences, Prague; Inst. of Parasitology 4268
- Challey, J R
Richardson-Merrell Inc., Ashland, Ohio; Section of Parasitology 4128
- Chaloupka, G W
Delaware Univ., Georgetown; Substation 4129
- Charles, O W
Georgia Univ., Athens; Dept. of Poultry Science 4130
- Cherednikov, A V
Leningrad State Univ., USSR; Dept. of Entomology 3809
- Chew, C F
Agricultural Research Service, Las Cruces, N. Mex.; Crops Research Div. 3952
- Chiapparini, L
Osservatorio per le Malattie delle Piante, Milan, Italy; Sezione Patologia Vegetale 4063
- Cho, Y
Auburn Univ., Ala.; Agricultural Experiment Station 4131
- Clady, M D
Michigan Dept. of Natural Resources, Ann Arbor; Inst. for Fisheries Research 3810
- Close, R C
Department of Scientific and Industrial Research, New Zealand 3953
- Cole, H
Pennsylvania State Univ., University Park; Dept. of Plant Pathology 3954
- Compagnucci, M
Naples Univ., Italy; Istituto di Malattie Infettive, Profilassi e Polizia; Veterinaria 4132
- Compagnucci, M
Naples Univ., Italy; Istituto di Malattie Infettive, Profilassi e Polizia; Veterinaria 4133
- Cook, B J
Agricultural Research Service, Fargo, N. Dak.; Metabolism and Radiation Research Lab. 3811
- Corstvet, R E
Oklahoma State Univ., Stillwater; Dept. of Parasitology and Public Health 4134
- Cottier, G J
Auburn Univ., Ala.; Agricultural Experiment Station 4135
- Couch, J N
North Carolina Univ., Raleigh 3812
- Cox, R S
1404 Shirley Court, Lake Worth, Fla. 3955
- Czczuga, B
Bialystok Medical Academy, Poland; Dept. of Biology 3813
- Dahlgren, R R
Ralston Purina Co., St. Louis, Mo.; Veterinary Dept. 4136
- Damiano, S
Naples Univ., Italy; Istituto di Patologia Generale e Anatomia Patologica 4137
- Damiano, S
Naples Univ., Italy; Istituto di Patologia Generale e Anatomia Patologica 4138
- Damiano, S
Naples Univ., Italy; Istituto di Patologia Generale e Anatomia Patologica 4269
- Damron, B L
Florida Agricultural Experiment Station, Gainesville; Dept. of Poultry Science 4139
- Dash, M
Research Inst. of Livestock-breeding and Veterinary Science, Ulan Bator, Mongolia 3744
- Dean, W F
Cornell Univ., Ithaca, N. Y.; Dept. of Poultry Science 4140
- Debrevodsky, J
Research Inst. for Corn Culture, Trnava, Czechoslovakia 4064
- Decelle, J
Musee royal de l'Afrique centrale, Tervuren, Belgium 3745
- Dingle, H
Iowa Univ., Iowa City; Dept. of Zoology 3814
- Domanska, H
Agricultural Academy, Warsaw, Poland; Faculty of Plant Cultivation 4320
- Donges, J
Wurzburg Univ., West Germany; Zoologisches Inst. 4270
- Donnellan, J F
Woodstock Agricultural Research Centre, Sittingborne, Kent; England 3815
- Doyle, A D
Department of Agriculture, Tamworth, Australia 4065
- Duperrex, A
Ecole d Horticulture de Chatelaine, Geneva, Switzerland 3956
- Dykova, I
Czechoslovak Academy of Sciences, Prague; Inst. of Parasitology 4271
- Edgar, S A
Auburn Univ., Ala.; Agricultural Experiment Station 4145
- Edgar, S A
Auburn Univ., Ala.; Agricultural Experiment Station 4272
- Edgar, S A
Auburn Univ., Ala.; Agricultural Experiment Station 4284
- Eggenhofer, R J
Munich Univ., West Germany; Institut fur Tierhygiene 4146
- Eidson, C S
Georgia Univ., Athens; Poultry Disease Research Center 4147
- Enigk, K
Tierarztliche Hochschule, Hanover, West Germany; Institut fur Parasitologie 4148
- Epps, J M
Agricultural Research Service, Jackson, Tenn.; Crops Research Div. 4049
- Epps, J M
Agricultural Research Service, Jackson, Tenn.; Crops Research Div. 4050
- Epstein, A H
Iowa State Univ., Ames; Dept. of Botany and Plant Pathology 3957
- Ertlova, E
Slowakischen Akademie der Wissenschaften, Bratislava; Hydrobiologische Abteilung 3816
- Fairchild, G B
Gorgas Memorial Lab., Panama 3746
- Farley, R D
California Univ., Riverside; Dept. of Life Sciences 3817
- Fenwick, D W
Trinidad and Tobago Coconut Research Ltd. 4051
- Ferreira, M C
Instituto de Investigacao Cientifica, Lourenco Marques, Mozambique 3747
- Fincher, G T
Department of Agriculture, Tifton, Ga.; Animal Disease and Parasite Research Lab. 3748
- Fisher, H
Rutgers-State Univ., New Brunswick, N. J.; Dept. of Nutrition 4149
- Fleischmann, G
Canada Dept. of Agriculture, Winnipeg, Manitoba; Research Station 3958
- Flint, O S
Smithsonian Inst., Washington, D. C.; Dept. of Entomology 3818
- Forsberg, J L
Illinois Natural History Survey, Urbana 4321
- Forsyth, A A
Glasgow Veterinary Coll., Scotland 4308
- Gagne, R J
Agricultural Research Service, U. S. National Museum, Washington, D. C.; Systematic Entomology Lab. 3749
- Galati, P
Naples Univ., Italy; Istituto di Patologia Generale e Anatomia Patologica 4150
- Gaprindashvili, N K
Ministry of Agriculture of the Georgian SSSR, Tbilisi; Plant Protection Inst. 3819
- Gardiner, E E
Canada Dept. of Agriculture, Lethbridge, Alberta; Research Station 4151
- Gerola, F M
Milan Univ., Italy; Laboratorio di Botanica II 3959
- Getsova, A B
USSR Academy of Sciences, Leningrad; Zoological Inst. 3820
- Gibbs, A J
Australian National Univ., Canberra; John Curtin School of Medical Research 3960
- Glaeser, G
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3915
- Glottoff, N W
Academy of Medical Sciences, Obnisk, USSR; Inst. of Medical Radiology 3897

BIOGRAPHICAL INDEX

Kondra, P A

- Goble, H W**
Guelph University; Ontario Agricultural College;
Dept. of Zoology 3916
- Goldberg, E**
Northwestern Univ., Evanston, Ill.; Dept. of Biolog-
ical Sciences 3821
- Gomec, B**
Turkish Ministry of Agriculture, Izmir; Crop
Research and Introduction Center 3961
- Gothe, R**
Justus Liebig-Univ., Giessen, West Germany; Inst.
fur Parasitologie und Parasitare Krankheiten der;
Tiere 3822
- Grant, C A**
Karolinska Sjukhuset, Stockholm, Sweden; Dept.
of Pathology 4152
- Green, G J**
Canada Dept. of Agriculture, Winnipeg, Manitoba;
Research Station 3962
- Gregg, R E**
Colorado Univ., Boulder; Dept. of Biology 3750
- Gregor, F**
Czech Academy of Sciences, Prague; Inst. of
Parasitology 3823
- Griffin, G D**
Agricultural Research Service, Logan, Utah; Crops
Research Div. 4052
- Grum, L**
Polish Academy of Sciences, Warsaw; Inst. of
Ecology 3824
- Gur'yeva, Y L**
USSR Academy of Sciences, Leningrad; Inst. of
Zoology 3751
- Gusic, V I**
Bucharest Univ., Rumania; Faculte de Biologie 4035
- Gyles, N R**
Arkansas Univ., Fayetteville; Dept. of Animal
Sciences 4153
- Habu, A**
National Inst. of Agricultural Sciences, Tokyo,
Japan 3825
- Hague, P H**
Huntingdon Research Centre, England; Dept. of
Pathology 4154
- Hajj, R N**
North Dakota State Univ., Fargo; Dept. of Animal
Science 4155
- Hakkaart, F A**
Research Station for Floriculture, Aalsmeer,
Netherlands; Inst. for Phytopathological Research 3963
- Halisky, P M**
Rutgers Univ., New Brunswick, N. J.; Coll. of
Agriculture and Environmental Science 3964
- Haney, J G**
International Harvester Co., Grand Fork, N. D.;
Demonstration Farms 4066
- Hanlin, R T**
Georgia Univ., Athens; Dept. of Plant Pathology
and Plant Genetics 3965
- Harms, R H**
Florida Agricultural Experiment Station,
Gainesville; Dept. of Poultry Science 4156
- Hayashi, A**
Nagoya Univ., Japan; Faculty of Agriculture 3826
- Henner, J**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3966
- Henry, J E**
Agricultural Research Service, Bozeman, Mon-
tana; Entomology Research Div. 3827
- Hiepe, T**
Humboldt Univ., Berlin, East Germany; Institut fur
Parasitologie und Veterinaermedizinische;
Zoologie 4273
- Hocking, D**
Calgary, 132 Ninth Avenue S. W., Alberta 3967
- Hodges, C F**
Iowa Agriculture and Home Economics Experi-
ment Station; Ames; Dept. of Horticulture and
Agronomy 3968
- Homme, P J**
Wisconsin Univ., Madison; Dept. of Veterinary
Science 4157
- Hooper, F G**
Texas A. and M. Univ., College Station; Dept. of
Poultry Science 4158
- Horn, A von**
Pflanzenschutzamt Hannorer, Braunschweig, West
Germany; Bezirksstelle 4092
- Hosford, R M**
North Dakota State Univ., Fargo; Dept. of Plant
Pathology 3970
- Howland, R M**
Bureau of Sport Fisheries and Wildlife, La Crosse,
Wis.; Fish Control Lab. 4097
- Hunter, J E**
Hawaii Univ., Honolulu; Dept. of Plant Pathology 3971
- Hunziker, P**
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- Hurka, K**
Charles Univ., Prague, Czechoslovakia; Chair for
Systematic Zoology 3753
- Hurka, K**
Charles Univ., Prague, Czechoslovakia; Chair of
Systematic Zoology 3829
- Ichinose, T**
Tokyo Univ. of Agriculture and Technology,
Japan; Lab. of Entomology 3898
- Ikeno, N**
Kyoto Univ., Japan; Entomological Lab. 3830
- Iren, S**
Ankara Univ., Turkey; Ziraat Fakultesi Bitki Koru-
ma 4036
- Ivanova, I V**
Abakan Pedagogical Inst., USSR 3754
- Jeddicke, K**
Tierarztliches Institut, Gottingen, West Germany;
Klinik 4160
- Jensen, L S**
Washington State Univ., Pullman; Dept. of Animal
Sciences 4161
- Joffe, a Z**
Hebrew Univ., Jerusalem, Israel; Dept. of Botany 3973
- Johnson, C A**
Richardson-Merrell Inc., Ashland, Ohio; Section of
Parasitology 4162
- Johnson, C A**
Richardson-Merrell Inc., Ashland, Ohio; Section of
Parasitology 4163
- Johnston, F A**
Agricultural Research Service, Washington, D. C.;
Plant Quarantine Div. 4067
- Joly, L**
Faculte de Sciences, Strasbourg, France; Lab. de
Biologie generale 3831
- Joly, R**
Faculte des Sciences, Lille, France; Lab. de
Zoologie 3832
- Jones, E L**
Research Station, Yanco, Australia 4037
- Jones, J P**
Gulf Coast Experiment Station, Bradenton, Fla. 3974
- Kahlert, K**
Bayerische Landesanstalt fur Bodenkultur, Pflan-
zenbau und; Pflanzenschutz, Munich, West Ger-
many; Amtliche Pflanzenbeschau (Einfuhr) 3918
- Kandybina, M N**
USSR Academy of Sciences, Leningrad; Zoological
Inst. 3833
- Katayama, E**
1780-32, Shimoishigami, Otawara City, Tochigi,
Japan 3834
- Kawakawi, T G**
California Univ., Davis; Dept. of Clinical Sciences 4164
- Kawano, T**
Nagoya Univ., Japan; Lab. of Applied Entomology
and Nematology 3835
- Keeley, L L**
Texas A and M Univ., College Station; Dept. of Ent-
omology 3836
- Kerr, K M**
Texas A. and M. Univ., College Station; Dept. of
Veterinary Pathology 4165
- Khan, M A Q**
Rutgers Univ., New Brunswick, N. J.; Dept. of Ent-
omology and Economic Zoology 3837
- Kimoto, S**
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Lab. 3755
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Museum; Washington, D. C. 3756
- Klos, E J**
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Botany and Plant Pathology 3975
- Kocurik, S**
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Czechoslovakia; Katedra Rastlinnej Vyroby 4322
- Kohli, S P**
Indian Agricultural Research Inst., New Delhi; Div.
of Genetics 3977
- Kok-Doorschodt, H J van K**
National Inst. of Public Health, Utrecht, Nether-
lands 4166
- Koller, M**
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Lab. 4167
- Kolman, J M**
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of Parasitology 4168
- Kolomijets, N G**
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- Konar, S K**
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Science 4169

BIOGRAPHICAL INDEX

Kosaka, K

- Kosaka, K**
Japan Meat Processors Assoc., Shibuya-ku, Tokyo
4285
- Kosztarab, M**
Virginia Polytechnic Inst., Blacksburg; Dept. of Entomology
3757
- Kozera, W**
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3978
- Kralovic, J**
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3839
- Krasienikov, N A**
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3919
- Krishnamoorthi, T**
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4068
- Krzywicki, M**
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3758
- Kubin, M**
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4170
- Kumar, M C**
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4171
- Kurcheva, G F**
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3840
- Kuwahara, Y**
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3841
- Lambat, A K**
Indian Agricultural Research Inst., New Delhi
3920
- Lamina, J**
Johann Wolfgang Goethe-Univ., Frankfurt am Main, Wgst; Germany; Inst. fur Zoonosenforschung
4275
- Lanier, L**
Institut national de la Recherche agronomique, Nancy, France; Laboratoire de Pathologie
3979
- Lauge, G**
Orsay Univ., France; Laboratoires de Zoologie et d'Entomologie
3842
- Lea, A O**
Florida State Board of Health, Vero Beach; Entomological Research Center
3843
- Ley, H L**
Food and Drug Administration, Washington, D. C.
4176
- Ley, H L**
Food and Drug Administration, Washington, D. C.
4178
- Likhachev, N V**
Gosudarstvennyi Nauchno-Kontrol'nyi, Moscow, USSR; Institut Veterinarnykh Preparatov
4181
- Lincoln, S D**
Washington State Univ., Pullman; Dept. of Veterinary Pathology
4182
- Lipa, Y Y**
Plant Protection Inst., Poznan, Poland
3844
- Locci, R**
Milan Univ., Italy; Istituto di Patologia Vegetale
3980
- Locci, R**
Milan Univ., Italy; Istituto di Patologia Vegetale
4323
- Loftfield, R B**
New Mexico Univ. School of Medicine, Albuquerque
4339
- Lohr, K F**
Veterinary Research Lab., Kabete, Kenya
4183
- Lori, R D**
National University M. E., Argentina; Facultad de Agronomia y Veterinaria
4184
- Lowe, A D**
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3981
- Lyayster, Y A**
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3845
- Lyon, R J**
Los Angeles City Coll., Calif.; Dept. of Life Sciences
4038
- MacKenzie, G H**
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4069
- Mainland, C M**
Rutgers-The State Univ., New Brunswick, N. J.
4324
- Mal'chenkova, N I**
Moldavian Academy of Sciences, Kishinev, USSR; Inst. of Zoology
3846
- Martinovsky, J**
Czechoslovak Entomological Society, Prague
3847
- Marusich, W L**
Hoffman-La Roche Inc., Nutley, N. J.; Chemical Research Div.
4185
- Mathieu, D**
Illinois Univ., Urbana; Dept. of Animal Science
4187
- Matthews, R W**
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3759
- Mauman, R K**
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4188
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4189
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3848
- Mayr, E**
Harvard Univ., Cambridge, Mass.
4344
- McCann, G D**
California Inst. of Technology, Pasadena; Willis H. Booth Computing Center
3849
- McFadden, L A**
New Hampshire Univ., Durham; Plant Science
3982
- McGillivray, J J**
International Minerals and Chemical Corp., Libertyville, Ill.; Growth Sciences Center
4190
- McGlohon, N E**
Georgia Univ., Athens; Cooperative Extension Service
3983
- McVicar, J W**
Agricultural Research Service, Greenport, N. Y.; Plum Island Animal Disease Lab.
4191
- Menge, H**
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4192
- Menshutkina, T V**
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3851
- Meshkova, A M**
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3852
- Metlitsky, L V**
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3985
- Meyer, G B**
Wisconsin Univ., Madison; Dept. of Poultry Science
4193
- Michel, J F**
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4276
- Miczulski, B**
Katedra Ochrony Roslin WSR, Lublin, Poland
3853
- Miller, D D**
Nebraska Univ., Lincoln; Dept. of Zoology
3899
- Miller, D R**
Department of Agriculture, San Francisco, Calif.; Forest Service
3986
- Miller, J F**
Georgia Univ., Athens; Cooperative Extension Service
4070
- Miller, J F**
Georgia Univ., Athens; Cooperative Extension Service
4071
- Minar, J**
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3854
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3855
- Minck, K**
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4195
- Mitrovic, M**
Hoffman-La Roche Inc., Nutley, N. J.; Chemical Research Div.
4196
- Mitrovic, M**
Hoffman-La Roche Inc., Nutley, N. J.; Chemical Research Div.
4197
- Mohamed, Y S**
Ohio Agricultural Research and Development Center, Wooster; Dept. of Veterinary Science
4198
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3856
- Moolani, M K**
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4075
- Moran, E T**
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4199
- Motoyoshi, F**
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3987
- Moubry, R J**
Wisconsin Dept. of Agriculture, Madison; General Lab. Div.
4300
- Mroczkowski, M**
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3760
- Mukhopadhyay, S K**
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4076
- Mulholland, R I**
Department of Scientific and Industrial Research, New Zealand
4040
- Mulholland, R I**
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4041
- Murphy, C D**
Texas A. and M. Univ., College Station; Dept. of Veterinary Microbiology
4201

BIOGRAPHICAL INDEX

Russ, K

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Manhattan Coll., Bronx, N. Y.; Lab. of Plant Morphogenesis 4325
- Nagasawa, S**
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- Nagy, L K**
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- Netke, S P**
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Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4078
- Neururer, H**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4079
- Neururer, H**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4343
- Newton, M**
Oregon State Univ., Corvallis; Forest Research Lab. 4080
- Nielsen, J**
Canada Dept. of Agriculture, Winnipeg, Manitoba; Research Station 3989
- Ninan, T**
Michigan State Univ., East Lansing; Dept. of Crop Science 3900
- Nishizawa, R**
Osaka Ikuno High School, Ikuno-ku, Japan 3990
- Nockels, C F**
Colorado State Univ., Fort Collins; Dept. of Poultry Science 4204
- Nott, H**
Maryland Univ., College Park; Dept. of Poultry Science 4205
- Novacek, E J**
South Dakota State Univ., Brookings; Dept. of Station Biochemistry 4206
- Novacek, E J**
South Dakota State Univ., Brookings; Dept. of Station Biochemistry 4207
- Nur, U**
Rochester Univ., N. Y.; Dept. of Biology 3901
- Obel, A L**
National Veterinary Inst., Stockholm, Sweden; Dept. of Pathology 4208
- Oehme, F W**
Missouri Univ., Columbia; Dept. of Veterinary Physiology and Pharmacology 4312
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Kyushu Univ., Kukuoka, Japan; Dept. of Agricultural Chemistry 3859
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Biologische Bundesanstalt fur Land-und Forstwirtschaft, Berlin-Dahlem, West Germany; Dienststelle fur Melde-und Warndienst 3924
- Olson, J D**
Colorado State Univ., Fort Collins; Dept. of Poultry Science 4210
- Omar, M S**
Bernhard-Nocht-Inst., Hamburg, West Germany 3860
- Otto, H W**
Esso Research and Engineering Co., Linden, N. J.; Products Research Div. 4326
- Palmiter, D H**
Hudson Valley Lab., Highland, N. Y. 3991
- Pancieria, R J**
Oklahoma State Univ., Stillwater; Coll. of Veterinary Medicine 4211
- Pantyukhov, G A**
USSR Academy of Sciences, Leningrad; Zoological Inst. 3861
- Parkhurst, R T**
Department of Agriculture, State College, Miss.; South Central Poultry Research Lab. 4212
- Peacher, P H**
Forest Service, Pineville, La.; Div. of Forest Pest Control 3992
- Pendergrass, A**
Cornell Univ., Ithaca, N. Y.; Dept. of Vegetable Crops 4327
- Penn, R P**
Georgia Univ., Athens; Dept. of Poultry Science 4100
- Pensack, J M**
American Cyanamid Co., Princeton, N. J.; Agricultural Div. 4101
- Perey, D Y E**
Minnesota Univ., Minn.; Dept. of Pediatrics and Surgery 4213
- Petermann, U B**
Eidgenossische Technische Hochschule, Zurich, Switzerland; Zoologisches Institut 3902
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Werlseestrasse 5, Berlin-Friederichshagen, East Germany 3761
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Kimber Farms Inc., Fremont, Calif. 4214
- Pierson, C F**
Agricultural Research Service, Wenatchee, Wash.; Market Quality Research Div. 4328
- Pilet, C**
Ecole Nationale Veterinaire d'Alfort, France; Chair de Microbiologie 4301
- Pinet, J M**
Institut National Agronomique, Paris, France; Lab. de Zoologie 3862
- Pinto, C A**
Smith Kline and French Lab., Philadelphia, Pa. 4215
- Pitman, G B**
Boyce Thompson Inst. for Plant Research, Inc., Yonkers, N. Y. 3863
- Plotnikova, S I**
USSR Academy of Sciences, Leningrad; Sechenov Inst. of Evolutionary Physiology and Biochemistry 3864
- Poole, R W**
Cornell Univ., Ithaca, N. Y.; Dept. of Entomology 3762
- Powers, H R**
Forest Service, Athens, Ga.; Southeastern Forest Experiment Station 3993
- Prasad, V**
Wayne State Univ., Detroit, Mich.; Dept. of Biology 3865
- Pulawski, W**
Instytut Zoologiczny UWR., Wroclaw, Poland 3763
- Putnam, A R**
Michigan State Univ., East Lansing; Dept. of Horticulture 3994
- Quarles, C L**
Pennsylvania State Univ., University Park; Dept. of Poultry Science 4216
- Radewald, J D**
California Univ. Agricultural Extension Service, Riverside; Dept. of Plant Pathology 4054
- Raghuwanshi, O P**
Muslim Univ., Aligarh, India; Dept. of Zoology 3866
- Rahim, A**
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- Rai, J N**
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- Raines, T V**
Norwich Pharmacal Co., N. Y.; Div. of Veterinary Research 4218
- Rattink, H**
Research Station for Arboriculture, Boskoop, Netherlands; Inst. for Phytopathological Research 3925
- Razowski, J**
Polish Academy of Sciences, Krakow; Inst. of Systematic Zoology 3764
- Reichmuth, W**
Biologische Bundesanstalt fur Land-und Forstwirtschaft, Berlin-Dahlem, West Germany; Institut Fur Zoologie 3867
- Reiss, F**
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- Reyes, A A**
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- Ribeiro, R L D**
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- Rizki, T M**
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- Roane, C W**
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- Roberson, R H**
New Mexico Agricultural Experiment Station, Las Cruces; Dept. of Poultry Science 4219
- Roberts, T**
Food and Drug Administration, Washington, D. C.; Div. of Nutrition 4220
- Roberts, T**
Food and Drug Administration, Washington, D. C.; Div. of Nutrition 4221
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- Rumsey, T S**
Agricultural Research Service, Beltsville, Md.; Animal Husbandry Research Div. 4302
- Russ, K**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3740
- Russ, K**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3868
- Russ, K**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3926

BIOGRAPHICAL INDEX

Rybalko, A P

- Rybalko, A P**
Khar'kov State Univ., USSR; Dept. of Entomology 3869
- Rysavy, B**
Czechoslovak Academy of Sciences, Prague; Inst. of Parasitology 4278
- Saitoh, K**
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- Saly, A**
Komenskeho Univ., Bratislava, Czechoslovakia; Zoologicky ustav 4055
- Samborski, D J**
Canada Dept. of Agriculture, Winnipeg, Manitoba; Research Station 3999
- Sanford, P E**
Kansas State Univ., Manhattan; Dept. of Dairy and Poultry Science 4223
- Sasakawa, M**
Kyoto Prefectural Univ., Japan; Lab. of Entomology 3769
- Satour, M M**
California University, Davis 4330
- Sauer, J R**
Tulane Univ., New Orleans, La.; Dept. of Biology 3870
- Sauer, N G**
Colorado State Univ., Fort Collins; Dept. of Poultry Science 4224
- Sauter, E A**
Idaho Univ., Moscow; Dept. of Poultry Science 4225
- Sauter, E A**
Idaho Univ., Moscow; Dept. of Poultry Science 4287
- Savage, S I**
Colorado State Univ., Fort Collins; Dept. of Poultry Science 4314
- Scalla, R**
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- Schaefer, C H**
California Univ., Fresno; Mosquito Control Research Lab. 3871
- Schardein, J L**
Parke, Davis, and Co., Ann Arbor, Mich.; Dept. of Experimental Therapeutics 4226
- Scheifele, G L**
Pennsylvania State Univ., University Park; Dept. of Plant Pathology 4001
- Schenone, H**
Chile Univ., Santiago; Departamento de Parasitologia 4227
- Schenone, H**
Chile Univ., Santiago; Departamento de Parasitologia 4228
- Schmidlin, A**
Engeriedweg 7, Bern, Switzerland 3771
- Schnathorst, W C**
California Univ., Davis; Dept. of Plant Pathology 4002
- Schneiderman, H A**
Case Western Reserve Univ. 3872
- Scholtzseck, E**
Bonn Univ., West Germany; Zoologisches Inst. 4229
- Schonbeck, H**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 3927
- Schreier, O**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria 4042
- Schroeder, W T**
Cornell Univ., Geneva, N. Y.; Dept. of Plant Pathology 4003
- Schulten, G G M**
Royal Tropical Inst., Amsterdam, Holland; Dept. of Agricultural Research 3905
- Schwarz, R**
Entomological Society of Czechoslovakia, Prague 3873
- Sevoian, M**
Massachusetts's Univ., Amherst; Dept. of Veterinary and Animal Sciences 4230
- Sevoian, M**
Massachusetts Univ., Amherst; Dept. of Veterinary and Animal Sciences 4231
- Shahidi, A**
Missouri Univ., Columbia; Dept. of Zoology 4232
- Shank, F R**
Maryland Univ., College Park; Dept. of Poultry Science 4233
- Sharp, W R**
Ohio State Univ., Columbus; Faculty of Microbiology and Cell Biology 4004
- Sherwood, D H**
Cooperative Research Farm, Talmo, Ga. 4234
- Shevchenko, A K**
Khar'kov State Univ., USSR; Biological Research Inst. 3874
- Shigematsu, H**
Sericultural Experiment Station, Sugunami-ku, Tokyo, Japan 3875
- Shilenko, B V**
Academy of Sciences of the USSR, Moscow; Inst. of General Genetics 3906
- Siegl, G**
Bern Univ., Switzerland; Inst. fur Hygiene und Medizinische Mikrobiologie 4235
- Simmonds, F J**
Commonwealth Inst. of Biological Control 4043
- Singer, R H**
Agricultural Research Service, College Station, Tex.; Southwestern Veterinary Toxicology and Livestock Insects; Research Lab. 4315
- Singh, A B**
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- Skilling, D D**
Forest Service, St. Paul, Minn.; North Central Forest Experiment Station 3928
- Skilling, D D**
Forest Service, St. Paul, Minn.; North Central Forest Experiment Station 4007
- Skopin, N G**
Kazakh Research Inst. of Plant Protection, Alma-Ata, USSR 3772
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Agricultural Research Service, C/o U. S. National Museum, Washington, D. C.; Systematic Entomology Lab. 3773
- Smith, J P**
Texas A and M Univ., College Station; Dept. of Veterinary Parasitology 4279
- Sobrero, R**
Istituto Sierovaccinogeno, Merca, Somalia 4236
- Sonda, G P**
Milan Univ., Italy; Facolta di Medicina Veterinaria 4237
- Spalding, D H**
Agricultural Research Service, Beltsville, Md.; Market Quality Research Div. 4008
- Spears, J F**
Agricultural Research Service, Hyattsville, Md.; Plant Pest Control Div. 4056
- Spencer, J V**
Washington State Univ., Pullman; Dept. of Animal Science 4238
- Spradbrow, P B**
Queensland Univ., Brisbane, Australia; Dept. of Preventive Medicine 4239
- Springensguth, W**
Landwirtschaftskammer Westfalen-Lippe, Munster, West; Germany; Lehr-und Versuchsanstalt fur Bienezucht 3929
- Srekajs, A**
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- Stach, J**
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- Steel, W O**
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- Steele, J E**
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- Stekol'nikov, A A**
USSR Academy of Sciences, Leningrad; Inst. of Zoology 3878
- Stern, J R**
Case Western Reserve Univ., Cleveland, Ohio; Dept. of Pharmacology 4240
- Stino, K R**
Georgia Univ., Athens; Dept. of Poultry 4104
- Stratman, F W**
Wisconsin Univ., Madison; Dept. of Meat and Animal Science 4241
- Stubbs, E L**
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- Stusak, J M**
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- Sullivan, T W**
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- Suso, F A**
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- Symons, L E A**
Commonwealth Scientific and Industrial Research;
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4280
- Szeptycki, A**
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Systematic Zoology
3778
- Szulc, W**
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3779
- Takahashi, F**
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3880
- Takahashi, S Y**
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3881
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3882
- Tamimie, H S**
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Psychiatric Research Lab.
4246
- Taylor, T H C**
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gland; Anti-Locust Research Centre
3883
- Telenga, N A**
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3884
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4016
- Thompson, O J**
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Poultry Science
4247
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Science
4106
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tomology Lab.
3780
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tomology Lab.
3781
- Toeppich, S**
Soil Conservation Service
4084
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4248
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4288
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4057
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3782
- Trammell, J L**
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Poultry Science
4249
- Tsesalin, H A**
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USSR
4085
- Tsitovich, I K**
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4303
- Tsuneki, K**
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3783
- Tunstall, J P**
Agricultural Research Council Of Central Africa
4044
- Turk, D E**
Clemson Univ., S. C.; Dept. of Poultry Science
4250
- Turk, D E**
Clemson Univ., S. C.; Dept. of Poultry Science
4251
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4252
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gary
4086
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4087
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Plant Pathology
4017
- Vadehra, D V**
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Science
4253
- Valley, K**
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3885
- Van Kampen, K R**
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4304
- Van Sickle, G A**
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ton; New Brunswick; Forest Research Lab.
4018
- Verhoeff, K**
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gen; Netherlands
4019
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Open; Alkmaar, Netherlands
4088
- Viglierchio, D R**
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4058
- Vindu, H C**
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4020
- Volzina, N V**
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General Biology
3886
- Vukovits, G**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria
4021
- Waldroup, P W**
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Sciences
4317
- Walker, A C**
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Capital; Territory, Australia; Dept. of Biochemistry
3887
- Walker, D W**
Puerto Rico Nuclear Center, Mayaguez
3888
- Wallen, V R**
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Biology Research Inst.
4022
- Waloff, N**
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Zoology and Applied Entomology
3784
- Warnick, Re**
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4255
- Washburn, K W**
Georgia Univ., Athens; Dept. of Poultry Science
4256
- Washburn, K W**
Georgia Univ., Athens; Dept. of Poultry Science
4257
- Weber, C W**
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4258
- Weiss, E**
Munich Univ., West Germany; Inst fur Tier-
pathologie
4259
- Wenner, A M**
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cal Sciences
3889
- Wensvoort, P**
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4107
- Wenzl, H**
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4023
- Wenzl, H**
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4024
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Sciences Lab.
3890
- Westwood, M N**
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ture
4332
- White, D S**
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stown; Dublin; Veterinary Research Lab.
4260
- Wicker, E F**
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Forest and Range Experiment Station
4025
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um, London; England
3785
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Animal Industries
4261
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England
4282
- Wittmann, W**
Bundesanstalt fur Pflanzenschutz, Vienna, Austria
4026
- Wittwer, S H**
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Experiment Station
4333
- Wojewodin, A W**
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Leningrad; USSR.
4090
- Wood, R J**
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3907
- Wooley, P H**
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tomology
3891
- Wysong, D S**
Nebraska Univ., Lincoln
4027
- Yamamoto, R**
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Preventive Medicine
4263
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4028
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4091
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3786
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3787

BIOGRAPHICAL INDEX

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4289

4265

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AUTHOR INDEX

Adcock, J L	4182	Bohm, K H	4119	4249, 4264		4221	
Adiyodi, K G	3788	Bond, D	4145	Croll, N A	4058	Fukami, H	3841
Adler, H E	4108	Boray, J C	4280	Csongrady, F M	4086	3880	
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	Bottarelli, F	4122	Czczuga, B	3813	Fusiek, G	4196
Agudu, E W	4151	Bovard, K P	4302	Czerwinska, C	3799	4197	
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	Boyes, J W	3893	4211		Gaprindashvili, N K	3819
Al-Khatib, G	4114	Boyle, J S	3954	Daines, R H	4326	Garbers, D L	4241
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	Bressler, G O	4216	Damron, B L	4139	Gemmer, H	4275
Alloway, T M	3794	Bridges, C H	4165	4156		Gentry, R F	4216
Allred, D M	4267	Brigham, R D	3946	Danbara, H	4285	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	Brown, H D	3947	Davidson, D	4004	Gibbs, A J	3960
Anderson, J O	4255	Brown, S W	3894	Davies, P J	4319	Gilbert, L I	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	Buddenhagen, I W	3971	Day, E J	4130	Girardie, A	3831
Anonymous,	3796	Bukovac, M J	3913	Dean, W F	4140	Gispén, R	4166
3909, 4031, 4059, 4342		4318		Debenest, J-M J	4141	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	Burks, B D	3742	Demel, J	4024	Glottoff, N W	3897
Arthur, J A	4111	Burmeister, P	3914	Deutschlander, N	4259	Goble, H W	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	Byford, W J	3949	Dingle, H	3814	Good, R A	4213
4248, 4288		Cacchione, R A	4127	Doberenz, A R	4258	Gordy, J F	4129
Aulakh, K S	3935	Caldwell, R L	3814	Dodd, F O	3950	Gothé, 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	Calvert, C C	4123	Donges, J	4270	Grandolini, G	4334
Babinski, P L	3964	Camenzind, R	3896	Donnellan, J F	3815	Grant, C A	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	Carle, P	4034	Drees, H	4292	Gregg, R E	3750
Baker, R C	4253	Carlson, C W	4206	Duggan, R E	4096	Gregor, F	3823
Balazs, I	3798	4207, 4247		4142, 4143, 4144, 4293, 4294		Grejtofsky, A	4322
Balazy, S	3799	Carlson, S D	3807	Duncan, J R	4306	Gresikova, M	4167
Baldacci, E	3910	Carrasco, J	4227	Dungworth, D L	4164	Griffin, G D	4052
3937, 3938, 3939, 3940, 3980,		Carter, J C	3950	Duperrex, A	3956	Griffin, J G	4212
4045, 4060		Casinovi, C G	4334	Duros, M	4307	Grigat, E	4337
Ballantyne, B	3941	Caskey, C D	4234	Dykova, I	4271	Grover, R K	3935
Balloun, S L	4112	Castro, L A B	3997	Easterday, B C	4157	Grum, L	3824
Bargielski, J	3799	Cecil, H C	4095	Eaton, J B	4234	Guenter, W	4169
Bassi, M	3959	Cedro, V C F	4126	Eck, P	4324	Guerrero, R D	4053
Bavenboer, L	4291	4127		Edgar, S A	4131	Gur'yeva, Y L	3751
Bayer, R C	4113	Cengiz, A	3951	4145, 4272, 4284		Gusic, V I	4035
Beall, S G	4164	Cepelak, J	3808	Edmunds, J E	4048	Gyles, N R	4153
Beament, J W L	3800	Cerny, V	3743	Edwards, H M	4105	Habu, A	3825
Becht, H	3822	4268		Eggenhofer, R J	4146	Haff, R F	4215
Beechey, R B	3815	Challey, J R	4128	Eidson, C S	4147	Hague, P H	4154
Beer, J	4114	Chaloupka, G W	4129	Eigner, E A	4339	Hajj, R N	4155
Bell, G	4306	Charles, O W	4130	Eleazer, T H	4117	Hakkaart, F A	3963
Bell, R R	4279	Chenulu, V V	3920	Enigk, K	4148	Halisky, P M	3964
Belli, G	3937	Cherednikov, A V	3809	Epps, J M	4049	Halstead, P	4163
3938, 3942		Chew, C F	3952	4050		Hancioglu, O	3951
Benedetti, L M E de	4126	Chiapparini, L	4060	Epstein, A H	3957	Haney, J G	4066
Benes, K	3801	4063		Eraker, J	3811	Hanlin, R T	3965
Benitez, J A	4115	Chinchon, R	4227	Ercegovich, C D	3954	Harms, R H	4103
4248, 4288		Cho, Y	4131	Ertlova, E	3816	4139, 4156	
Bennett, F D	3802	Chona, B L	3920	Eto, M	3859	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	Farley, R D	3817	Haskell, D T	3883
3911		Clady, M D	3810	Farmer, J N	4232	Haskell, J B	3814
Berencsy, Gy	4167	Cleveland, C	3894	Fawcett, M O	4304	Hayashi, A	3826
Bergman, B H H	3943	Close, R C	3953	Fentiman, A F	3863	Heiniger, P	3910
Bettinotti, C M	4116	4040		Fenwick, D W	4051	Heller, G	4229
Betto, E	3944	Cole, H	3954	Feron, V J	4121	Henner, J	3966
Bierer, B W	4117	Combs, G F	4205	Ferreira, M C	3747	Henry, J E	3827
Bigland, C H	4118	4233		Fincher, G T	3748	Herbaut, C	3832
Bill, S M	4061	Comly, G H	3996	First, N L	4241	Hering, E M	3752
Biondi, E	4133	Compagnucci, M	4132	Fisher, H	4149	Herrick, R B	4204
Bird, G W	4046	4133		Fitzgerald, J E	4226	Hewitt, W B	4330
4047		Conti, g	3944	Flanagan, C	4145	Hiepe, T	4273
Birt, L M	3887	Cook, B J	3811	Fleischmann, G	3958	Hilbrich, P	4148
Bisping, W	4119	Cooper, M D	4213	Flint, O S	3818	Hinners, S W	4261
Bitman, J	4095	Corstvet, R E	4134	Footé, B A	3885	Hocking, D	3967
Bleszynski, S	3741	Cottier, G J	4135	Forsberg, J L	4321	Hodges, C F	3968
Blodgett, E C	3961	Couch, J N	3812	Forsyth, A A	4308	Hoffman, M B	3917
Bobiatynska-Ksok, E	3813	Couch, J R	4158	Foss, D C	4113	Hogenson, R O	3970
Bockmann, H	3912	4249, 4264		Francis, D W	4219	Holt, S C	4188
Bodnaryk, R P	3804	Cox, A C	4112	Francis, J	4239	Holtenius, P	4152
Boehne, J W	4220	Cox, C D	4188	Freeman, G H	3967	Homme, P J	4157
Boerema, G H	3945	Cox, R S	3955	Friedman, S	3836	Hooper, F G	4158
Bohl, E H	4198	Cramer, D A	4224	Fries, G F	4095	Horn, A von	4092
Bohm, H	4033	Creger, C R	4158	Fritz, J C	4220	Horst, R K	3969

AUTHOR INDEX

Hosford, R M

Hosford, R M	3970	Krishnan, A S	4068	Miller, D D	3899	Pendergrass, A	4327
Howeler, L H	3945	Kroes, R	4121	Miller, D L	4112	Penn, R P	4100
Howland, R M	4097	Krzywicki, M	3758	Miller, D R	3986	Pensack, J M	4101
Huffaker, R H	4304	Kubin, M	4170	Miller, J F	4070	Perey, D Y E	4213
Hughes, I W	3802	Kuc, J	4323	4071		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		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
Jakob, M H	3972	Leanza, W J	4335	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, 4178,		Mroczkowski, M	3760	Porte, A	3831
Jessep, C T	4041	4179, 4180		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	Lofffield, R B	4339	Myrdal, G R	4300	Providenti, 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
Joshi, C S	4263	MacKenzie, G H	4069	Nelson, T S	4190	Raghuwanshi, O P	3866
Kahlert, K	3918	Mahnel, H	4235	Netke, S P	4203	Rahim, A	4283
Kahn, A	4283	Mainland, C M	4324	Neururer, H	4078	Rai, J N	3995
Kandybina, M N	3833	Mainprize, L F	3996	4079, 4343		Raines, T V	4218
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, J	3925
Kawano, T	3835	Martens, J W	3962	Niedzwiecki, E	3813	Razowski, H	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, 4297, 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	McGillivray, 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
Kolomiets, 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, O 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

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	Volokova, G A	3820
Sasakawa, M	3769	Skopin, N G	3772	Taylor, T H C	3883	Voložina, N V	3886
Satour, M M	4330	Slama, K	3903	Tekinel, N	3951	Vukovits, G	4021
Sauer, J R	3870	Smale, B C	4008	Telenga, N A	3884	Wadley, B N	3934
Sauer, N G	4224	Smeltzer, R	4163	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	4279	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
Schaefer, C H	3871	Sobrero, R	4236	Thorell, C B	4152	Warnick, R	4255
Schaeffling, J P	3934	Sonda, G P	4237	Tierce, J F	4106	Washburn, K W	4104
Schardein, J L	4226	Sorheim, A O	4202	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		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
Schlichting, H L	4341	Srekajs, A	4083	Tonolo, A	4334	Weiss, E	4259
Schmidlin, A	3771	Stach, J	3774	Toranzos, L B	4115	Wellso, S G	3900
Schmittle, S C	4147	Stary, P	3876	4248, 4288		Wenner, A M	3889
Schnathorst, W C	4002	Starzycki, S	4009	Toung, M	4057	Wensvoort, P	4107
Schneiderman, H A	3872	Staten, G	3952	Townes, H	3782	Wenzl, H	4023
Scholtzseck, 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	Tsesalin, H A	4085	Westwood, M N	4332
Schreier, O	4042	Stekol'nikov, A A	3878	Tsitovich, I K	4303	Wetzel, H	4281
Schroeder, W T	4003	Stephen, R C	4040	Tsuda, T	4305	Wheeler, J A	4089
Schulten, G G M	3905	Stephens, J F	4250	Tsukada, T	4285	White, D S	4260
Schwarz, R	3873	4251		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		Willows, W A	3996
Sebek, Z	4278	Stewart, T B	3748	Turkmenoglu, Z	4252	Wills, J R	4261
Sell, J L	4155	Stino, K R	4104	Turner, J E	4153	Wiseman, R A	4282
Sem'yanov, V P	3844	Stratman, F W	4241	Ubrizsy, G	4086	Witte, J H	4262
Sethi, K L	3977	Streeter, E M	4238	Ulinich, A	4087	Wittmann, W	4026
Sevoian, M	4230	Stubbs, E L	4242	Ullstrup, A J	4017	Wittwer, S H	4333
4231		Stusak, J M	3776	Umeda, K	3859	Wojewodin, A W	4090
Shahidi, A	4232	Stute, W	4243	Umezu, M	4305	Woltz, S S	3974
Shank, F R	4233	Sudo, S	3997	Umphlett, C J	3812	Wood, R J	3907
Sharp, W R	4004	Sugahara, M	4244	Urriola, J	4227	Woodroffe, G E	3775
Shepherd, S M	4302	Sugi, S	3777	Uschmann, I	4273	Wooley, P H	3891
Sherwood, D H	4234	Sukhov, K S	4014	Vaccaro, A	4133	Wysong, D S	4027
Shevchenko, A K	3874	Sullivan, J	4325	Vadehra, D V	4253	Yamamoto, R	4263
Shibata, F	4305	Sullivan, T W	4245	Valley, K	3885	Yamamoto, S	4305
Shibuya, F	4054	Sumangil, J P	4093	Vallo, V	3839	Yano, S	4285
Shiga, A	4305	Summers, J D	4199	Van Kampen, K R	4304	Yaraguntaiah, R C	4028
Shigematsu, H	3875	Sunde, M L	4193	Van Sickle, G A	4018	Yazykova, T F	4014
Shilenko, B V	3906	Suso, F A	4105	Van Wormer, M C	4234	Youngner, V B	4091
Shoji, Y	4305	Sutherland, D J	3837	Vandeberg, J S	3807	Yurkiewicz, W J	3892
Shor, A L	4101	Sutmoller, P	4191	Vardaman, T H	4212	Zacchi, A	4150
Shutze, J V	4204	Suzuki, G	3881	Vegetti, G	3944	Zak-Ogaza, B	3786
4224		Symons, L E A	4280	Velu, J G	4203	Zambettakis, C	4029
Siegl, G	4235	Szeptycki, A	3778	Verhoeff, K	4019	Zaslavskiy, V A	3787
Simkins, K L	4101	Szulc, W	3779	Verlaet, J	4088	Zavala, M A	4264
Simmonds, F J	4043	Takahashi, F	3841	Viglierchio, D R	4058	Zindel, H C	4289
Singer, R H	4315	3880		Vilagiova, I	4273	Ziolkowski, G	3799
Singh, A B	4005	Takahashi, H	3898	Villarroel, F	4227	Zolli, Z	4265
Singh, D V	4006	Takahashi, S Y	3881	4228		Zuffa, A	4266
Singh, G B	4082	Takamiya, K	3882	Vindu, H C	4020	Zwatz, B	4030
		Takeshita, H	3875				



ORGANIZATIONAL INDEX

- Agricultural Research Service
Entomology Research Div.
3790
- Agricultural Research Service
Plant Pest Control Div.
4345
- Agricultural Research Service,
Animal Disease and Parasite Research Div. and
Crops; Research Div.
4109
- Agricultural Research Service, Lubbock, Tex.
Crops Research Div.
3946
- Atomic Energy Commission
3888, 3971, 4267
- Bundesforschungsanstalt für Viruskrankheiten der
Tiere,
Tubingen, West Germany
4116
- Case Western Reserve Univ., Cleveland, Ohio
Dept. of Biology
4004
- Department of Agriculture
3807, 4058
- Duke Univ., Durham, N. C.
Dept. of Zoology
3896
- East African Tropical Pesticides Research Inst.,
Arusha,
Tanzania
3967
- Ecole Nationale 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,
Md.
3739
- Farbenfabriken Bayer Aktiengesellschaft,
Leverkusen, Germany
4337
- Food and Drug Administration, Washington, D.
C.
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
- Harvard Univ., Cambridge, Mass
Museum of Comparative Zoology
3759
- Iowa State Univ., Ames
Toxicology Section
4309
- Kent State Univ., Ohio
- Dept. of Biological Sciences
3885
- Landwirtschaftliche Hochschule, Hohenheim,
West Germany
Institut für Pflanzenschutz
3972
- Landwirtschaftliche Hochschule, Hohenheim,
West Germany
Institut für Zoologie
3766
- Landwirtschaftskammer Weser-Ems-Oldenburg,
West Germany
Tiergesundheitsamt
4254
- Leiden Univ., Netherlands
Dept. of Pathology
4121
- Massachusetts Univ., Amherst
Dept. of Veterinary and Animal Sciences
4256
- Merck and Co., Rahway, N. J.
4335
- Ministry of Agriculture, Fisheries and Food,
England
4039
- Ministry of Agriculture, Fisheries and Food,
London
England; Food Standards, Science and Safety
Div.
4072
- Ministry of Agriculture, Fisheries and Food,
London,
England; Food Standards Science and Safety
Div.,
4074
- Ministry of Agriculture, Fisheries and Food,
London,
England; Food Standards, Science and Safety
Div.
4073
- Mobil Oil Corp., N. Y.
3850
- Monsanto Co., St. Louis, Mo.
4336, 4340
- Moorman Mfg. Co., Quincy, Ill.
4159
- National Inst. of Health
4164
- National Inst. of Health, Bethesda, Md.
National Cancer Inst.
4242
- National Science Foundation
3895, 4325
- National Science Foundation, Washington, D. C.
3965
- New South Wales Dept. of Agriculture, Sydney,
Australia
- Biology Branch
3988
- Od and Drug Administration
4173
- Oker Chemical Corp., Niagara Falls, N. Y.
4341
- Oklahoma State Univ., Stillwater
Dept. of Veterinary Pathology
4211
- Poultry Science Association
4102
- Public Health Service
3794, 3798, 3836, 3837, 4213, 4339
- Public Health Service, Atlanta, Ga.
National Communicable Disease Center
3863
- Rhode Island Univ., Kingston
Dept. of Poultry Science
4151
- Rothamsted Experimental Station, Harpenden,
England
3960
- Sheffield Univ., England
Dept. of Biochemistry
3887
- 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
- Taisho Pharmaceutical Co. Ltd., Japan
3826
- Tierärztliche Hochschule, Hanover, West
Germany
Institut für Parasitologie
4281
- Tierärztliche Hochschule, Hanover, West
Germany
Klinik für Geburtshilfe und Gynakologie des
Rindes
4186, 4209
- University Coll., Nairobi, Kenya
Faculty of Veterinary Science
4202
- Utrecht Univ., Netherlands
Inst. of Veterinary Pathology
4107
- Waterloo Univ., Ontario
Dept. of Biology
3804
- West Indies Univ., St. Augustine, Trinidad and
Tobago
4048
- World Health Organization, Geneva, Switzerland
3908, 4290

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