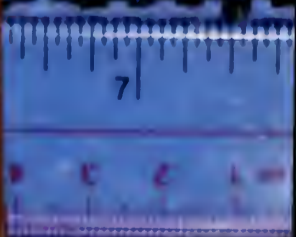
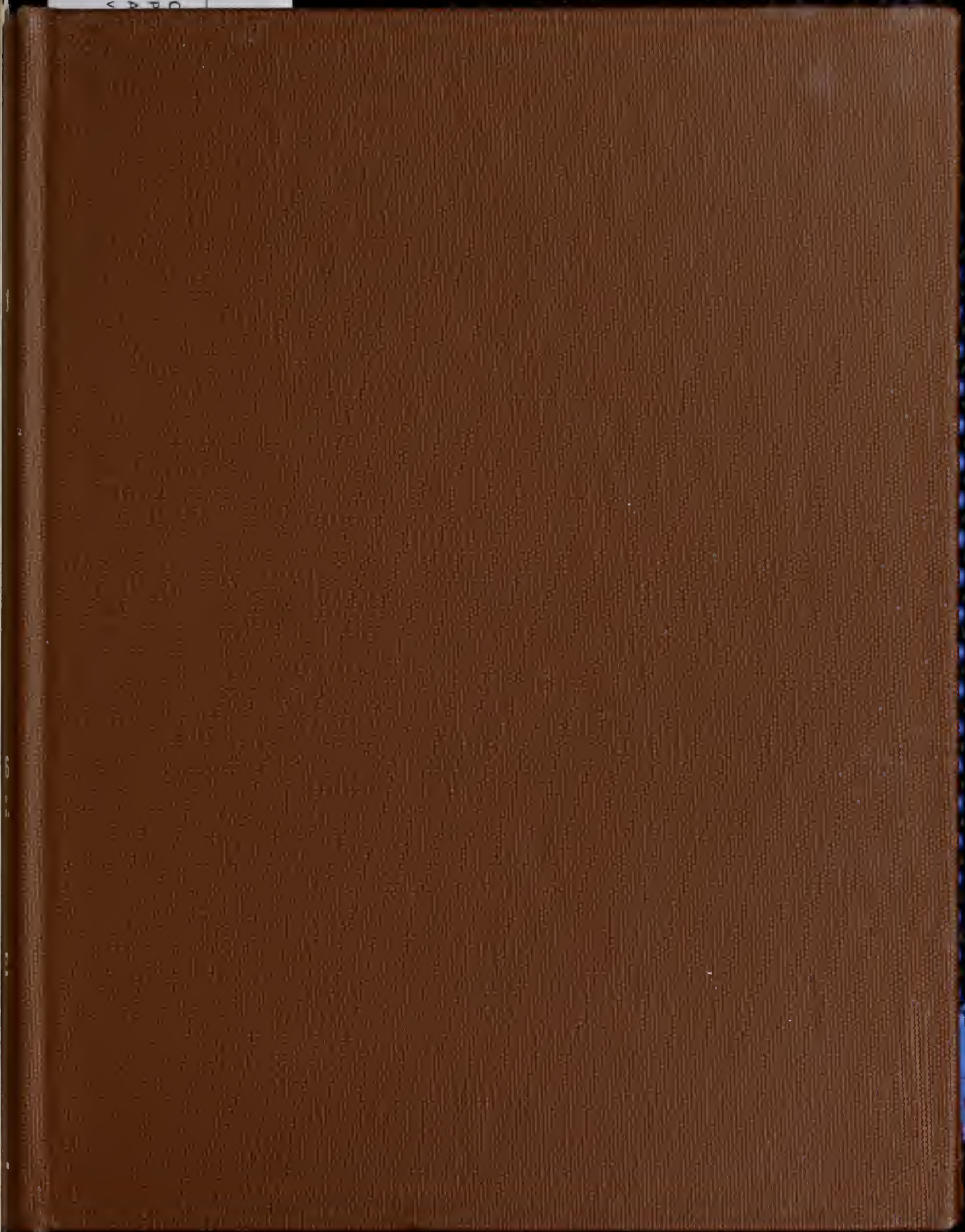


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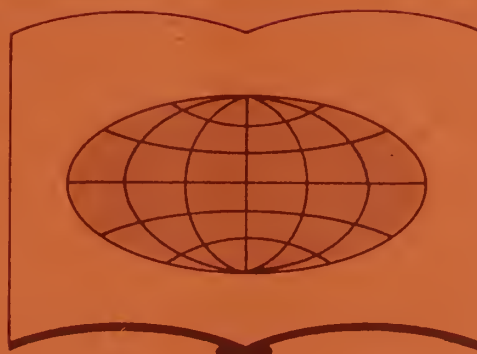
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Pesticides DOCUMENTATION BULLETIN

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Number 23



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PESTICIDES DOCUMENTATION BULLETIN

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Volume 4
November 8, 1968
Number 23

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.

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

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

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

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

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ACKNOWLEDGMENT

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

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

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

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

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ENTOMOLOGY

20942-68
CONTROL OF CATERPILLARS ON LATE CABBAGE IN CENTRAL ONTARIO AND WESTERN QUEBEC, 1958-1959.

L M Cass
Entomol Soc Ontario Proc 91:49-52
1960 420 ON8

Cabbage, Chemical control (insects), Insecticides, *Pieris rapae*, *Plutella maculipennis*, Research, *Trichoplusia ni*.

20943-68
ANALYSIS OF SPRAY DROPLET DISTRIBUTIONS FROM AGRICULTURAL AIRCRAFT.

H H Counts W E Yates
Amer Soc Agr Eng Trans Asae 11(1):25-27
Jan 1968 290.9 AM32T
Aerial spraying, Pesticides, Research, Spraying.

20944-68
THE ORIENTAL FRUIT MOTH GRAPHOLITHA MOLESTA (BUSCK) (LEPIDOPTERA: OLETHREUTIDAE) IN ONTARIO.

G G Dustan
Entomol Soc Ontario Proc 91:215-227 REF
1960 420 ON8
Grapholitha molesta, Insect control, Insect ecology, Insect morphology, Olethreutidae, Peaches, Quinces.

20945-68
CLUSTER FLIES IN THE HOME.

W L Gojmerac
Wisconsin Univ Coll Agr Ext Serv Spec Circ 143:4
0000 275.29 W750S
Feeding, Hibernation, Insect control, Insect identification, Insecticides, Morphology, *Pollenia rudis*, Spraying.

20946-68
SURVIVAL OF CERCOSPORA KIKUCHII ON SOYBEAN STEMS IN THE FIELD.

J P Jones
Plant Dis Rep 52(12):931-934
Dec 1968 1.9 P69P
Cercospora, Harvesting, Hibernation, Research, Sampling (statistics), Soils, Soybeans.

20947-68
THE BIOLOGICAL METHOD AND INTEGRATED CONTROL OF HOUSE AND STABLE FLIES IN CALIFORNIA.

E F Legner G S Olton
Calif Agr 22(6):2-4
Jun 1968 100 C12CAG
Biological control (insects), Insects, Integrated control (insects), *Musca domestica*, Research, *Stomoxys calcitrans*.

20948-68
A PRELIMINARY REPORT...ZYTRON AS A LARVICIDE FOR FLY CONTROL.

E C Loomis E L Bramhall L L Dunning
Calif Agr 22(6):6-7
Jun 1968 100 C12CAG
Chemicals, Diptera, Insect control, Larvicides, Research, Zytron.

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THE BEHAVIOUR OF POLLEN FORAGERS WHICH LOSE THEIR LOAD.

J L McDonald
J Apicult Res 7(1):45-46
1968 424.8 J82
Apis mellifera, Insect behavior, Pollination, Research, Traps.

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THE TABANIDAE (DIPTERA) OF ONTARIO.

L L Pechuman H J Teskey D M Davies
Entomol Soc Ontario Proc 91:77-121 MAP REF
1960 420 ON8
Insect identification, Insect morphology, Insect taxonomy, Tabanidae.

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THYMELICUS LINEOLA (OCHS.) (LEPIDOPTERA: HESPERIIDAE) A PEST OF HAY AND PASTURE GRASSES IN SOUTHERN ONTARIO.
D H Pengelly
Entomol Soc Ontario Proc 91:189-197 REF
1960 420 ON8
Grasses, Hay, HesperIIDae, Insect anatomy, Insect morphology, Insect pests.

20952-68
AN INFESTATION OF COMSTOCK MEALYBUG, PSEUDOCOCCUS COMSTOCKI (KUW.) (HOMOPTERA: COCCOIDEA) ON PEACH IN ONTARIO.

J H H Phillips
Entomol Soc Ontario Proc 91:268-270
1960 420 ON8
Ceratomia catalpa, Insect eggs, Insect outbreaks, Peaches, *Pseudococcus comstocki*.

20953-68
INCIDENCE AND CONTROL OF MOSQUITOS IN SOUTH MORAVIA.

M Privora D Novak
World Health Organ WHO/IVECT Contr 166:65-7 P.
0000 423.92 W89
Aedes, Chemical control (insects), Ecology, Habitats, Larvae.

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STUDIES ON THE EFFICIENCY OF COLLECTING AND COUNTING ANOPHELES GAMBIAE IN VERANDAH-TRAP HUTS.

A Smith S Ecozed
Arusha Trop Pesticides Res Inst Misc Rep 563:5 P.
Jun 1966 423.92 G7922
Anopheles gambiae, DDT, Experimental insects, Houses, Insect behavior, Insect collecting equipment, Insect traps, Mortality, Research, Tables (data).

SYSTEMATICS

20955-68
THE MAYFLY NYMPHS (ORDER:EPHEMEROPTERA) OF RAWALPINDI DISTRICT, IK/UUI ALI, S R.

Pakistan J Sci 19(3):73-86 MAP REF
May 1967 475 P172
Ephemeroptera, Insect taxonomy, Zoogeography.

20956-68
NEW EXOTIC CRANE-FLIES (TIPULIDAE: DIPTERA).

C P Alexander
Entomol News (philadelphia) 78(7):189
Jul 1967 421 EN88
Insect behavior, Insect identification, Insect taxonomy, Research, Tipulidae.

20957-68
PRESENT STATUS OF THE SAWFLY FAMILY DIPRIONIDAE (HYMENOPTERA) IN ONTARIO.

C E Atwood
Entomol Soc Ontario Proc 91:205-215 REF
1960 420 ON8
Chemical control (insects), Diprionidae, Insect taxonomy, Parasitism.

20958-68
REVISION OF THE GENUS CRYPTOCELLUS WESTWOOD 1874 (ARACHNIDA: RICINULEI). (GE)

L Beck H Schubart
Senckenb Biol 49(1):67-78 REF
29 Feb 1968 410.9 SE5
Arachnida, Insect taxonomy, Spiders.

20959-68
FAMILY TEPHRITIDAE (TRYPETIDAE, TRUPANEIDAE). 57.

R H Foote
Cat Diptera Amer S U S 157,91P

10 Jul 1967 Q0L531.0C3
Diptera, Insect pests, Insect taxonomy, Plant injuries, Tephritidae.

20960-68
HISTORY OF THE ENTOMOLOGY SECTION OF THE SENCKENBERG MUSEUM. (GE)

E Franz
Senckenb Biol 48(SUPPL B):55-72 REF
22 Nov 1967 410.9 SE5
Entomologists, Entomology, History.

A complete history of the Senckenberg Museum's Entomology section is given, from 1822 thru today. A chronologic list of personnel and their work is supplied.

20961-68
HABITAT AND ALTITUDE DISTRIBUTION OF CARABIDAE (COLEOPTERA IN ARGYLL, SCOTLAND).

P J M Greenslade
Roy Entomol Soc London Trans 120(P.T.2):39-54 REF
12 Jul 1968 420 L84
Altitude, Carabidae, Ecology, Zoogeography.

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A KEY TO THE GRASSHOPPER SPECIES (ORTHOPTERA:ACRIDOIDEA) RECORDED FROM GHANA.

N D Jago
Roy Entomol Soc London Trans 119(P.T.8):235-266
27 Oct 1967 420 L84
Grasshoppers, Insect identification, Orthoptera, Taxonomy.

20963-68
A REVIEW OF THE GENUS OLIGOAESCHNA SELYS IN SOUTHEAST ASIA.

M A Liefertinck
Tijdschr Entomol 111(5):137-184 REF
10 Oct 1968 421 T21
Aeshnidae, Catalogs, Insect taxonomy, Odonata, Zoogeography.

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FLEAS (SIPHONAPTERA) NEW TO NORWAY.

R Mehl
Norsk Entomol Tidsskr 14(1):60-62
1967 421 N812
Insect taxonomy, Siphonaptera, Zoogeography.

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FIBRE GROUPS IN THE AUDITORY NERVE OF THE LOCUST.

M J Murray
Nature 218(5136):95-96
06 Apr 1968 472 N21
Electrodes, Equipment, *Locusta migratoria*, Nerves, Physiology, Research, Velocity.

20966-68
SELECTIVE BREEDING OF HONEYBEES FOR ALFALFA POLLEN: FIFTH GENERATION AND BACKCROSSES.

W P Nye O Mackensen
J Apicult Res 7(1):21-27
1968 424.8 J82
Alfalfa, *Apis mellifera*, Breeding, Heredity, Pollination, Reproduction, Research.

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NOTES ON THE CAPTURE OF BUCHANANIELLA CONTINUA AND ELATOPHILUS CRASSICORNIS REUTER IN NORTHERN ITALY AND FURTHER DESCRIPTION OF THESE SPECIES (HETEROPTERA, ANTHOCORIDAE). (FR)

J Pericart
Fragmenta Entomol 5(3):299-311
15 Feb 1968 421 F84
Anthocoridae, Insect ecology, Insect taxonomy, Insect traps.

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THE MACRONYSSIDAE AND LAELAPIDAE (ACARINA: MESOSTIGMATA) PARASITIC ON BATS.

20969-68

F J Radovsky
Colif Univ Publ Entomol 46:288 P
 01 Mar 1967 500 C1250E
 Bats, Chaetotaxy, Insect biology, Insect identification, Insect morphology, Insect taxonomy, Laelapidae, Macronyssidae, Mites, Parasitic insects, Zoogeography.

20969-68

A REVIEW OF THE PRAYING MANTISES OF GHANA (DIPTEROPTERA MANTODEA).

D R Ragge R Roy
Inst Fondamental Afr Noire Bull Ser A Sci Notur (SER A) 29(2):586-644 MAP REF
 Apr 1967 515 D14
 Beneficial insects, Insect taxonomy, Mantidae, Zoogeography.

20970-68

THE MOSQUITOES OF ONTARIO (DIPTERA: CULICIDAE) WITH KEYS TO THE SPECIES AND NOTES ON DISTRIBUTION.

C C Steward J W McWade
Entomol Soc Ontario Proc 91:121-188
 1960 420 ON8
 Culicidae, Insect anatomy, Insect taxonomy, Research.

20971-68

THE NORWEGIAN SPECIES OF THE GENUS MYLLAENA ER. (COL., STAPHYLINIDAE). (DA)

A Strand
Norsk Entomol Tidsskr 14(10):56-59
 1967 421 N812
 Catalogs, Insect taxonomy, Staphylinidae.

20972-68

DATA ON THE THYSANOPTERA FAUNA OF THE RHEIN-MAIN-REGION (INS., THYSANOPTERA). (GE)

R zur Strassem
Senckenb Biol 48(2):83-116 MAP
 21 Apr 1967 410.9 SE5
 Catalogs, Insect taxonomy, Thysanoptera, Zoogeography.

20973-68

CONTRIBUTION TO THE KNOWLEDGE OF THE GERMAN SPIDER FAUNA. V. (ARACH., ARANEAE). (GE)

H Wiehle
Senckenb Biol 48(1):1-36 REF
 28 Feb 1967 410.9 SE5
 Arachnida, Catalogs, Insect taxonomy, Spiders, Zoogeography.

20974-68

CONTRIBUTION TO THE KNOWLEDGE OF THE NEOTROPICAL COLLEMBOLA FAUNA. I. ISOTOMIDAE. (PART 2). (GE)

C Winter
Senckenb Biol 48(1):37-69
 28 Feb 1967 410.9 SE5
 Catalogs, Collembola, Insect taxonomy, Zoogeography.

PHYSIOLOGY AND BIOCHEMISTRY

20975-68

THE EFFECT OF QUEEN LOSS ON COLONIES OF APIS MELLIFERA CAPENSIS.

R H Anderson
S Afr J Agr Sci 11(2):383-387
 Jun 1968 24 SU3
 Agriculture, Aphis, Bee behavior, Demography, Queen bees.

20976-68

SOME EFFECTS OF MICROBIAL PATHOGENS ON INSECTS.

T A Angus
Entomol Soc Ontario Proc 91:8-13
 1960 420 ON8
 Entomology, Fungi, Insect diseases, Parasitism, Protozoa.

20977-68

EFFECT OF DIFFERENT COLOURED LIGHTS ON THE DEVELOPMENT OF BEMISIA TABACI GENN.

J S Balan
Plant Protect Bull 19(1):30-33
 1967 421 P69
 Bemisia tabaci, Color, Cotton, Insect pests, Insect physiology, Lighting.

20978-68

ON THE ACTIVITY OF JUVENILE HORMONES: ELECTRO-PHYSIOLOGICAL MEDIUM AT THE CELL MEMBRANE OF THE SALIVARY GLAND OF GALLERIA MELLONELLA.

G Baumann
J Insect Physiol 14(10):1459-1476
 Oct 1968 421 J825
 Cells, Electricity, Galleria mellonella, Hormones, Insect physiology, Salivary glands (insects).

20979-68

FROM THE TROPICAL RAIN FOREST OF THE AMAZON II. (GE)

L Beck
Notur Mus 98(2):71-80 REF
 Feb 1968 509 F856
 Arachnida, Insect ecology, Pedipalpi.

The author continues his discussion of tropical insects. Whip scorpions (Pedipalpi), whip tails, tiny relatives of the whip scorpions, and hooded spiders, rare Arachnids, are described and discussed.

20980-68

FROM THE TROPICAL RAIN FOREST OF THE AMAZON I. (GE)

Beck
Natur Mus 98(1):24-32
 01 Jan 1968 509 F856
 Cerambycidae, Chelonethida, Cicadidae. Part II in vol. 98(2):71-81, Feb. 1968

The author studies the biology of tropical soil and animal fauna of the central Amazon rain forest. Tropical cicada larvae, mound building insects and long horned beetles (Cerambycidae) with their parasites and pseudoscorpions are discussed.

20981-68

STIMULI PROVIDED BY COURTSHIP OF MALE DROSOPHILA MELANOGASTER.

H C Bennet-clark A W Ewing
Nature 215(5101):669-671 REF
 05 Aug 1967 472 N21
 Drosophila melanogaster, Insect behavior, Reproduction, Research, Sex behavior, Vibration.

20982-68

ROLE OF VEGETATION IN SEXUAL MATURATION OF THE DESERT LOCUST (SCHISTOCERCA GREGARIA FORSK.).

D R Bhatia P J S Ahluwalia
Plant Protect Bull 19(1):36-37
 1967 421 P69
 Insect physiology, Schistocerca gregaria, Sex, Vegetation.

20983-68

HAEMOCYTES AND THE MEASUREMENT OF POTASSIUM IN INSECTS BLOOD.

J Brady
Nature 215(5096):96
 01 Jul 1967 472 N21
 Biochemistry, Blood cells, Blood chemistry, Insect physiology, Periplaneta americana, Potassium.

20984-68

CO-ORDINATED NEUROMUSCULAR ACTIVITY IN INSECT SPIRACLES AT SUB-ZERO TEMPERATURES.

B N Burkett H A Schneiderman
Nature 217(5123):95-96 REF
 06 Jan 1968 472 N21
 Experimental insects, Humidity, Insect ecology, Insect physiology, Muscles, Neurology, Research, Spiracles, Temperature.

20985-68

FACTORS AFFECTING MALE PROBING ACTIVITY OF THE RED BOLLWORM DIPAROPSIS CASTANEA (HMPS.) IN RELATION TO STERILITY INDUCED BY TRIS(I-AZIRIDINYL) PHOSPHINE OXIDE (TEPA).

D G Campion I Butram
Ann Appl Biol 60(2):191-198
 Oct 1967 442.8 AN72
 Breeding, Chemical control (insects), Chemosterilants, Diparopsis castanea, Reproduction, Sex attractants, Sterility, Tepe.

20986-68

ELECTROPHORETIC PATTERNS OF LARVAL HAEMOLYMPH-PROTEINS IN AUTOGENOUS AND ANAUTOGENOUS FORMS OF CULEX PIPIENS L.

P S Chen
Nature 215(5093):316
 15 Jul 1967 472 N21
 Biochemistry, Culex pipiens molestus, Culex pipiens quinquefasciatus, Electrophoresis, Hemolymph, Insect eggs, Proteins.

20987-68

X-RADIATION OF ONCOMELANIA FORMOSANA, SNAIL HOST OF SCHISTOSOMA JAPONICUM. EFFECT ON REPRODUCTIVITY AND MORTALITY.

L W Chi F Boeller
Amer J Trop Med Hyg 17(6):900-903 REF
 Nov 1968 448.8 AM326
 Insect physiology, Mortality, Radiation, Reproduction, Snails, Sterility, X-rays.

20988-68

SYNTHESIS OF RIBONUCLEIC ACID AND HISTONE CHANGE DURING SPERMATOGENESIS IN THE GRASSHOPPER CHORTOPHAGA VIRIDIFASCIATA.

C J Claypool D P Bloch
Nature 215(5104):966-967
 26 Aug 1967 472 N21
 Biochemistry, Biosynthesis, Chortophaga viridifasciata, Deoxyribonucleic acid, Meiosis, Proteins, Ribonucleic acid.

20989-68

ACRYLAMIDE GEL ELECTROPHORESIS OF HOUSEFLY ESTERASES.

W J Collins A J Forgash
J Insect Physiol 14(10):1515-1523 REF
 Oct 1968 421 J825
 Acrylamide, Electrophoresis, Esterases, Gels, Insect physiology, Musca domestica.

20990-68

THE FINE STRUCTURE AND MECHANISM OF BREAKDOWN OF LARVAL INTERSEGMENTAL MUSCLES IN THE BLOWFLY CALLIPHORA ERYTHROCEPHALA.

A C Crossley
J Insect Physiol 14(10):1389-1407 REF
 Oct 1968 421 J825
 Calliphora vicina, Insect anatomy, Insect physiology, Larvae, Muscles.

20991-68

COLOUR AFFECTS THE LANDING OF BLOODSUCKING BLACK FLIES (DIPTERA: SIMULIIDAE) ON THEIR HOSTS.

D M Davies
Entomol Soc Ontario Proc 91:267-268
 1960 420 ON8
 Attractants, Color, Insect behavior, Insect flight, Pigments, Simulium venustum.

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FREE AND BOUND AMINO ACIDS OF SPRUCE BUDWORM LARVAE FEEDING ON BALSAM FIR AND RED AND WHITE SPRUCE.

D J Durzan S M Lopushanski
J Insect Physiol 14(10):1485-1497
 Oct 1968 421 J825
 Abies balsamea, Amino acids, Choristoneura fumiferana, Feeding, Insect physiology, Larvae, Picea glauca, Picea rubens.

- 20993-68**
THE ULTRASTRUCTURE OF A RICKETTSIA PATHOGENIC TO A SATURNID MOTH.
P F Entwistle J S Robertson B E Juniper
J Gen Microbiol 54(Pt 1):97-104 REF
Nov 1968 448.3 J823
Electron microscopy, Physiology, Rickettsial diseases, Saturniidae.
- 20994-68**
MECHANICAL PROPERTIES OF THE FLIGHT MUSCLE OF THE BEE, I RESTING ELASTICITY AND ITS ULTRASTRUCTURAL INTERPRETATION.
N Garamvolgyi J Belagyi
Acta Biochim Biophys 3(2):195-204 REF
1968 Q0P501.0A2
Bees, Insect anatomy, Insect flight, Insect physiology, Measurement, Mechanization, Muscles, Wings (insects).
- 20995-68**
INSECT POPULATION CONTROL BY THE USE OF SEX PHEROMONES TO INHIBIT ORIENTATION BETWEEN THE SEXES.
L K Gaston H H Shorey C H Saario
Nature 213(5081):1155
18 Mar 1967 472 N21
Biological control (insects), Economics, Experimental insects, Pheromones, Population, Research, Sex, Trichoplusia ni.
- 20996-68**
THE APPLICATION OF PH DETERMINATIONS TO INSECT PATHOLOGY.
A M Heimpel
Entomol Soc Ontario Proc 91:52-76 REF
1960 420 ON8
Biochemistry, Body fluids, Hydrogen-ion concentration, Insect diseases, Research.
- 20997-68**
EFFECT OF DIETARY BIOTIN ON FATTY ACID COMPOSITION OF THE SILKWORM, BOMBYX MORI L.
Y Horie S Nakasone
J Insect Physiol 14(10):1381-1387 REF
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Biological assay, Biotin, Bombyx mori, Diet, Fatty acids, Insect nutrition.
- 20998-68**
INSECT DISEASES RESULTING FROM MALNUTRITION.
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Chromatography, Extracts, Insect physiology, Lipids, Queen bees, Thorax, Vespa orientalis.
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Tunis Inst Rebois Doc Tech (27):12P
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Biochemistry, Ceratitis capitata, Chemical control (insects), Insect control, Insect pests, Pesticides.
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INSECT ANSWERS; THE ALFALFA SEED CHALCID.
C Johansen A H Retan
Wash State Univ Ext Serv E M 2923:2P.
May 1968 275.29 W270M1
Alfalfa, Bruchophagus roddi, Insect behavior, Insect control, Insect morphology, Insect pests, Metamorphosis, Seedlings, Zoogeography.
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J N R Kasembe
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Barley, Gibberellic acid, Greenhouses, Mutations, Seed germination, Sterility, Tobacco.
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H W Kircher F V Lieberman
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Alfalfa, Diet, Greenhouses, Insect cultures, Nicotine, Smoke, Therioaphis maculata, Tobacco, Toxicology.
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DISTRIBUTION AND ABUNDANCE OF HYLOTRUPES BAJALUS L. (COL., CERAMBYCIDAE) AND ANOBIUM PUNCTATUM DE GEER (COL., ANOBIIDAE) ALONG THE SOGNEFJORD IN WEST NORWAY.
P Knudsen
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L V Knutson C O Berg L J Fowards A D Bratt B A Foote
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Beneficial insects, Insect physiology, Sciomyzidae, Snails.
Abstract
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P A Lawrence
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S H P Maddrell J E Treherne
J Cell Sci 2(1):119-127 REF
Mar 1967 QH301.J6
Anatomy, Carausius morosus, Periplaneta americana, Physiology, Research, Tissues.
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CHANGES IN HAEMOLYMPH LIPOPROTEINS DURING LOCUST FLIGHT.
R J Mayer D J Candy
Nature 215(5104):987
472 N21
Fat body, Fatty acids, Glycerides, Haemolymph, Insect flight, Lipoproteins, Locusta migratoria, Radiochemistry.
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A REVIEW OF THE LITERATURE ON THE SPRUCE BUDWORM CHORISTONEURA FUMIFERANA (CLEMENS). AQL561.0T80M3.
M E McKnight
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Jul 1965
Biochemistry, Chemical control (insects), Choristoneura fumiferana, Insect biology, Insect ecology, Insect pests, Insect taxonomy, Insecticides, Literature, Parasitism, Population, Reviews, Silviculture.
- 21010-68**
BIOCHEMISTRY, CHEMICAL CONTROL (INSECTS), CHORISTONEURA FUMIFERANA, INSECT BIOLOGY, INSECT ECOLOGY, INSECT PESTS, INSECT TAXONOMY, INSECTICIDES, LITERATURE, PARASITISM, POPULATION, REVIEWS, SILVICULTURE.
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INCORPORATION OF LYSINE-6-C14 INTO THE PROTEIN OF THE ADULT BOLL WEEVIL, ANTHONOMUS GRANDIS.
N Mitlin G Wiygul G J Lusk
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Amino acids, Anthonomus grandis, Carbon isotopes, Injections, Insect physiology, Lipoproteins, Lysine, Metabolism, Proteins, Time.
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VOLATILITY OF TRAIL MARKING SUBSTANCE OF THE TOWN ANT.
J C Moser R M Silverstein
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08 Jul 1967 472 N21
Atta texana, Insect physiology, Methylene chloride, Volatile substances, Water.
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INEFFECTIVITY OF TRYPANOSOMA RHODESIENSE TO TSETSE FLIES FED THROUGH ANIMAL MEMBRANES.
A S Mshelbwala
Nature 215(5099):441
22 Jul 1967 472 N21
Animal vectors, Animals, Feeding, Glossina pallidipes, Insect diseases, Morphology, Research, Trypanosoma brucei, Trypanosoma rhodesiense.
- 21014-68**
THE INFLUENCE OF TEMPERATURE AND RELATIVE HUMIDITY ON THE WEIGHT LOSS AND SURVIVAL OF THE HARVESTER TERMITES, HODOTERMES MOSSAMBICUS (HAGEN) AND TRINERVITERMES TRINERVOIDES (SJOESTEDT). (DU)
J J C Nel
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Jun 1968 24 SU3
Humidity, Insect nutrition, Longevity, Temperature, Termites.
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GROWTH AND PARTIAL METAMORPHOSIS OF IMAGINAL DISKS OF THE GREATER WAX MOTH, GALLERIA MELLONELLA, IN VITRO.
H Oberlander L Fulco
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Biochemistry, Culture media, Ecdysone, Galleria mellonella, Larvae, Metamorphosis, Physiology, Research.
- 21016-68**
THE FINE STRUCTURE AND HISTOCHEMISTRY OF THE FAT BODY IN THE LOCUST SCHISTOCERCA GREGARIA.
T R Odhiambo
J Cell Sci 2(2):235-242 REF
Jun 1967 QH301.J6
Anatomy, Chemistry, Cytoplasm, Electron microscopy, Glycogen, Histology, Reproduction, Research, Schistocerca gregaria.
- 21017-68**
MORPHOLOGY OF THE MALE REPRODUCTIVE SYSTEM AND SPERMATOPHORE OF THE RED BOLLWORM, DIPAROPSIS CASTANEA (HMPS.) AND THE POSSIBLE EF-

21018-68

EFFECT OF THE CHEMOSTERILANT TEPA ON THE GROSS STRUCTURE.

I Outram D G Campion
Ann Appl Biol 60(3):439-444 REF
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Chemosterilants, *Diparopsis castanea*, *Heliothis zea*, Insect morphology, Noctuidae, Reproductive organs, Spermatophores, Tapa.

21018-68

THE EFFECT OF AQUEOUS SOLUTIONS OF SOME 1:1 ELECTROLYTES ON THE ELECTRICAL RESPONSE OF THE TYPE 1 ('SALT') CHEMORECEPTOR CELL IN THE LABELLA OF PHORMIA.

C J C Rees
J Insect Physiol 14(9):1331-1364 REF
Sep 1968 421 J825

Biochemistry, Cells, Chemoreceptors, Electrolytes, Insect physiology, Ions, *Phormia regina*, Sodium chloride, Tables (data), Water.

21019-68

THE EFFECT OF ELECTROLYTES OF THE GENERAL FORMULA XCL₂ ON THE RESPONSE OF THE TYPE 1 LABELLAR CHEMORECEPTOR OF THE BLOWFLY, PHORMIA.

C J C Rees N Hori
J Insect Physiol 14(10):1499-1513 REF
Oct 1968 421 J825

Biochemistry, Calliphoridae, Chemoreceptors, Electrolytes, Insect physiology, *Phormia regina*, Salts.

21020-68

TRANSMISSION OF RECEPTOR POTENTIAL IN DIPTERAN CHEMORECEPTORS.

J C Rees
Nature 215(5098):301-302
15 Jul 1967 472 N21

Chemoreceptors, Insect physiology, Microscopy, Nervous system, *Phormia*, Stomoxys.

21021-68

INSECT ANSWERS; THE GREEN PEACH APHID.

A H Retan R Thornton
Wash State Univ Ext Serv E M 2943:2P.
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Aphididae, Biochemistry, Chemical control (insects), Insect control, Insect morphology, Insect pests, Metamorphosis, *Myzus persicae*, Plant injuries.

21022-68

THE EFFECT OF TEMPERATURE AND RELATIVE HUMIDITY ON THE FLIGHT PERFORMANCE OF FEMALE AEDES AEGYPTI.

W A Rowley C L Graham
J Insect Physiol 14(9):1251-1257
Sep 1968 421 J825

Aedes aegypti, Humidity, Insect dissemination, Insect flight, Insect physiology, Measurement, Parameters, Research, Temperature, Time.

21023-68

A TRIAL FOR THE INTEGRATED (CHEMICAL AND BIOLOGICAL) CONTROL OF MUSCA DOMESTICA L. IN THE LIPARI ISLANDS-PRELIMINARY NOTE. (IT)

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Riv Parassitol 28(4):295-307 MAP REF
Dec 1967 436.8 R52

Biochemistry, Biological control (insects), Chemical control (insects), Chemosterilants, *Cochliomyia hominivorax*, Integrated control (insects), Methodology, *Musca domestica*, Population, Research, Sterility.

21024-68

COMPARATIVE ALLOMETRY IN THE LARVAL BROODS OF THREE ARMY-ANT GENERA, AND DIFFERENTIAL GROWTH AS RELATED TO COLONY BEHAVIOR.

T C Schmeirla R R Gianutsos B S Pasternack
Amer Natur 102(928,NOV-DEC):533-554 REF
31 Dec 1968 470 AM36

Demography, Formicidae, Insect behavior, Insect ecology, Larvae.

21025-68

RESPIRATION IN DEVELOPING HONEYBEE LARVAE.

R W Shuel S E Dixon
J Apicult Res 7(1):11-19 REF
1968 424.8 J82

Apis mellifera, Feeding, Insect respiration, Larvae, Morphology, Reproduction, Research.

21026-68

INVERTASE IN THE HYPOPHARYNGEAL GLANDS OF THE HONEYBEE.

J Simpson I B M Riedel N Wilding
J Apicult Res 7(1):29-36 REP
1968 424.8 J82

Aging, *Apis mellifera*, Invertase, Pharyngeal glands, Research, Secretion.

21027-68

AREA TREATMENT TO COMBAT MOSQUITOES.

J E Simpson R H Wright
Nature 214(5083):113-114
01 Apr 1967 472 N21

Aedes aegypti, Air flow, *Anopheles quadrimaculatus*, Biochemistry, Biological control (insects), Carbon dioxide, Chemical control (insects), Experimental insects, Insect repellents, Research.

21028-68

EFFECTS OF INSECTICIDAL TREATMENT ON THE BIOLOGY OF SURVIVING INSECTS.

H Singh
Plant Protect Bull 19(1):21-29 REF
1967 421 P69

Biology, Insect physiology, Insecticides, Pesticide application.

21029-68

A GYNANDROMORPH GRASSHOPPER WITH AN OVOTESTIS (ORTHOPTERA, ACRIDIDAE).

E R Slifer R L King
Entomol News (philadelphia) 78(1):1-5
Jan 1967 421 EN88

Anatomy, Cytoplasm, Gynandromorphism, *Melanoplus differentialis*, Research.

21030-68

THE EFFECT OF CHEMICAL CONTROL OF INSECTS ON BEEKEEPING.

M V Smith
Entomol Soc Ontario Proc 91:37-38
1960 420 ON8

Bees, Chemical control (insects), Methodology, Poisoning, Research, Toxicology.

21031-68

PREDACIOUS HYPHOMYCETES AND THEIR APPLICATION IN THE CONTROL OF PATHOGENIC NEMATODES.

QK625.0M740S63.
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292 P. JERUSALEM, ISRAEL PROGRAM FOR SCIENTIFIC TRANSILA
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Biology, Culture media, Environment, Fungi, Insect control, Metabolites, Moniliasis, Morphology, Nematodes, Parasitism, Soil analysis, Traps.

21032-68

INVESTIGATION INTO THE RELATIONSHIP BETWEEN SOIL MOISTURE AND CARABID COLONIZATION IN MEADOW POPULATIONS.

F Tietze
Pedobiologia 8(1):50-58 REF
1968 56.8 P343

Carabidae, Demography, Insect ecology, Soil moisture. English and German summaries

21033-68

BOOBY-TRAPPING AS AN ALTERNATIVE TO STERILE MALES FOR INSECT CONTROL.

M J Whitten K R Norris
Nature 216(5120):1136
16 Dec 1967 472 N21

Cochliomyia hominivorax, Insect control, Insect traps, Insecticides, Laboratories, *Lucilia cuprina*, Sterilization, Toxicology.

21034-68

CYTOLOGICAL CHANGES IN THE FAT BODY OF RHODNIUS DURING STARVATION, FEEDING AND OXYGEN WANT.

V B Wigglesworth
J Cell Sci 2(2):243-255 REF
Jun 1967 QH301J6

Chemistry, Cytology, Cytoplasm, Feeding, Glycogen, Metabolism, Mitochondria, Mitosis, Oxygen, Proteins, *Rhodnius*, Ribonucleic acid, Starvation.

21035-68

INTRACELLULAR RESPONSES FROM THE GRASSHOPPER EYE.

D L Winter
Nature 213(5076):607-608
11 Feb 1967 472 N21

Cells, Eyes, Grasshoppers, Insect physiology, Light, Photoperiodism, Research.

21036-68

OCCURRENCE AND NATURE OF INVERTASE ACTIVITY IN ADULT BLACKFLIES (SIMULIIDAE).

T J Yang D M Davies
J Insect Physiol 14(9):1221-1232 REF
Sep 1968 421 J825

Culture media, Enzymes, Hydrogen-ion concentration, Insect physiology, Invertase, Oligosaccharides, Research, *Simulium venustum*, Time.

21037-68

INFECTION OF GRACE'S ANTHERAEA CELLS WITH ARBOVIRUSES.

C E Yunker J Cory
Amer J Trop Med Hyg 17(6):889-893 REF
Nov 1968 448.8 AM326

Antheraea eucalypti, Arboviruses, Assay, Cells, Insect physiology, Insect vectors, Research.

GENETICS

21038-68

POSSIBLE USE OF TRANSLOCATIONS TO FIX DESIRABLE GENES IN INSECT PEST POPULATIONS.

C F Curtis
Nature 218(5139):368-369
27 Apr 1968 472 N21

Breeding, Chromosomes, Genes, Insect genetics, Insect pests, Insect rearing, Meiosis, Mutation, Population.

21039-68

GENETICS OF NATURAL POPULATIONS. xL. HETEROTIC AND DELETERIOUS EFFECTS OF RECESSIVE LETHALS IN POPULATIONS OF DROSOPHILA PSEUDOOSCURA.

T Dobzhansky B Spassky
Genetics 59(3):411-425 REF
Jul 1968 442.8 G28

Drosophila pseudoobscura, Heterosis, Insect genetics, Mortality, Population.

21040-68

SYNTHETIC LETHALITY AND SEMI-LETHALITY AMONG FUNCTIONALLY RELATED MUTANTS OF DROSOPHILA MELANOGASTER.

J C Lucchesi
Genetics 59(1):37-44 REF
May 1968 442.8 G28

Biochemistry, *Drosophila melanogaster*, Insect genetics, Mortality, Mutation, Research, Sterility, Tables (data).

21041-68

THE MEIOTIC BEHAVIOR OF TANDEM ACROCENTRIC COMPOUND X

CHROMOSOMES IN DROSOPHILA MELANOGASTER.

J R Merriam
Genetics 59(3):351-366
Jul 1968 442.8 G28

Biochemistry, Chromosomes, Cytology, Drosophila melanogaster, Insect genetics, Meiosis, Research, Tables (data).

21042-68

A SELECTION EXPERIMENT INVOLVING GENOTYPE X ENVIRONMENT INTERACTIONS IN TRIBOLIUM CASTANEUM. (ABSTRACT).

B N Nayak G W Friars
Can J Genet Cytol 10(3):768
Sep 1968 443.8 C16

Environment, Insect genetics, Research, Tribolium castaneum. Genetic Society of Canada annual meeting May 15-17, 1968

21043-68

INHERITANCE OF ETHER RESISTANCE IN DROSOPHILA MELANOGASTER.

M Ogaki E Nakashima-Tanaka S Murakami
Jap J Genet 42(6):387-394 REF

Dec 1967 442.9 J27

Chemical control (insects), Drosophila melanogaster, Ethers, Heredity, Immunity, Insect genetics, Insecticides, Research.

21044-68

CYTOPLASMIC INCLUSION BODY IN THE EPIDERMAL CELLS OF NORMAL AND TRANSPARENT SILKWORM LARVAE.

Y Waku K I Sumimoto M Eguchi
J Insect Physiol 14(9):1319-1323

Sep 1968 421 J825

Bombyx mori, Breeding, Cells, Cuticle, Inclusion bodies, Insect genetics, Insect physiology, Larvae, Mutation.

21045-68

PERSISTENCE OF LETHAL GENES ASSOCIATED SD IN NATURAL POPULATIONS OF DROSOPHILA MELANOGASTER.

T K Watanabe
Jap J Genet 42(6):375-376 REF

Dec 1967 442.9 J27

Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Lethal factor, Population, Research.

21046-68

POLYPLOIDY AND NUCLEAR FUSION IN THE FAT BODY OF RHODNIUS (HEMIPTERA).

V B Wigglesworth
J Cell Sci 2(4):603-615 REF

Dec 1967 QH301 J6

Chromosomes, Fat body, Insect genetics, Metabolism, Polyploidy, Rhodnius.

21047-68

GENETICS OF INSECT VECTORS OF DISEASE. RA639.0W7.

J W Wright R Pal
794 P. NEW YORK, ELSEVIER PUBLISHING COMPANY
1967

Aedes aegypti, Anopheles, Blattidae, Culex pipiens pipiens, Culicidae, Cytogenetics, Cytology, Equipment, Evolution, Genetics, Insect behavior, Insect control, Insect diseases, Insect vectors, Ixodides, Musca domestica, Physiology, Triatoma.

21048-68

PHENOL OXIDASE ACTIVITY AND PHENOTYPIC EXPRESSION OF THE MELANOTIC TUMOR STRAIN TUG IN DROSOPHILA MELANOGASTER.

H I Yamazaki E Ohnishi
Genetics 59(2):237-243 REF

Jun 1968 442.8 G28

Biochemistry, Drosophila melanogaster, Insect genetics, Insect physiology, Phenolases, Research, Tables (data).

MEDICAL ENTOMOLOGY

21049-68

NOTES ON BREEDING AND ENDOPHYLY OF MOSQUITOS IN THE SHOMRON DISTRICT, ISRAEL.

A Barkai J Yofe
Riv Parasitol 28(4):291-294
Dec 1967 436.8 R52

Breeding, Culex pipiens molestus, Culex univittatus, Epidemiology, Human diseases, Insect traps, Insect vectors, Larvae, West Nile virus. Italian summary

21050-68

CHLOROQUINE RESISTANCE IN PLASMODIUM FALCIPARUM MALARIA ON THE PACIFIC COAST OF COLOMBIA.

R D Comer M D Young J A Porter J R Gauld W Merritt
Amer J Trop Med Hyg 17(6):795-799

Nov 1968 448.8 AM326

Biochemistry, Chemical control (insects), Chloroquine, Epidemiology, Immunity, Insect vectors, Malaria control, Plasmodium falciparum.

21051-68

PESTICIDES IN THE FIGHT AGAINST ARTHROPODS WHICH ARE A HAZARD TO HUMAN HEALTH.

V P Derbeneva-Ukhova I V Uspenskiy
USSR Sci Abs (65):105

19 Nov 1968 241.64 UN333

Arthropoda, Chemical control (insects), Human diseases, Insect vectors, Insecticides.

21052-68

EXPERIMENTAL INFECTION OF TRIATOMA INFESTANS AND RHODNIUS PROLIXUS WITH TRYPANOSOMATIDAE OF THE GENERA CRITHIDIA AND BLASTOCRITHIDIA.

W L Hanson R B McGhee J H DeBoe
J Protozool 15(2):346-349 REF

May 1968 439.8 J82

Insect vectors, Laboratories, Protozoa, Rhodnius prolixus, Triatoma infestans, Trypanosomatidae.

21053-68

IDENTIFICATION OF HOST AND HOST ANTIBODIES FROM MOSQUITO BLOOD MEALS.

B L Herndon D A Ringle
Nature 213(5076):624-625

11 Feb 1967 472 N21

Agar, Animal diseases, Anopheles, Antibodies, Blood, Culex, Feed, Human diseases, Insect vectors.

21054-68

CYCLOGUANIL PAMOATE IN THE TREATMENT OF CUTANEOUS LEISHMANIASIS. INITIAL TRIALS IN PANAMA.

C M Johnson
Amer J Trop Med Hyg 11(6):819-822

Nov 1968 448.8 AM326

Cycloguanil pamoate, Diagnosis, Dosage, Drug therapy, Human diseases, Leishmaniasis, Panama, Research, Time.

21055-68

A MODIFIED, INDIRECT MICROHEMAGGLUTINATION TEST FOR MALARIA.

W A Rodgers J A Fried I G Kagan
Amer J Trop Med Hyg 17(6):804-809 REF

Nov 1968 448.8 AM326

Antibodies, Antigens, Hemagglutination-inhibition test, Malaria, Plasmodium knowlesi, Research, Serological tests.

21056-68

INVESTIGATIONS OF AN OUTBREAK OF VENEZUELAN EQUINE ENCEPHALITIS IN TOWNS OF EASTERN VENEZUELA.

O M Suarez G H Bergold
Amer J Trop Med Hyg 17(6):875-880

Nov 1968 448.8 AM326

Aedes aegypti, Culex quinquefasciatus, Epidemiology, Human diseases, Insect vectors,

Research, Venezuelan equine encephalitis virus, Virus diseases (animals).

21057-68

TREATMENT OF AMERICAN CUTANEOUS LEISHMANIASIS WITH CYCLOGUANIL PAMOATE.

B C Walton D A Person M H Ellman R Bernstein
Amer J Trop Med Hyg 17(6):814-818

Nov 1968 448.8 AM326

Cycloguanil pamoate, Dosage, Drug therapy, Human diseases, Injections, Leishmaniasis, Parasitism.

21058-68

CONTRACT-SPREAD OF VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS AMONG COTTON RATS VIA URINE OR FECES AND THE NASO OR OROPHARYNX. A POSSIBLE TRANSMISSION CYCLE IN NATURE.

M L Zarate W F Scherer
Amer J Trop Med Hyg 17(6):894-899 REF

Nov 1968 448.8 AM326

Feces, Infectious diseases, Insect vectors, Rats, Urine, Venezuelan equine encephalomyelitis, Virus diseases (animals).

CROP PROTECTION

21059-68

STUDIES ON PLANT GROWTH-REGULATING SUBSTANCES. XXIV. FACTORS INFLUENCING KINETIN-INDUCED PHOSPHORUS MOBILIZATION IN DETACHED RADISH COTYLEDONARY LEAVES.

R K Atkin R L Wain
Ann Appl Biol 60(2):321-331 REF

Oct 1967 442.8 AN72

Actinomycin d, Biological assay, Kinetin, Leaves, Phosphorus, Plant regulators, Radishes, Ribonuclease.

Abstract: Kinetin of detached radish cotyledonary leaves was shown: (a) to defer dry weight and chlorophyll declines that usually occur after leaf detachment; and (b) to promote the redistribution of phosphorus towards treated regions.

21060-68

EFFECT OF APHIS FABAE SCOP. AND ITS ATTENDANT ANTS AND INSECT PREDATORS ON YIELDS OF FIELDS BEANS (VICIA FABA L.).

C J Banks E D M Macaulay
Ann Appl Biol 60(3):445-453 REF

Dec 1967 442.8 AN72

Aphis fabae, Beans, Coccinellidae, Formicidae, Insect pests, Larvae, Lasius niger, Syrphidae.

21061-68

GREENHOUSE ASSAYS DIAGNOSE SUGAR BEET PROBLEMS IN DELTA SOILS.

A L Brown F J Hills B A Krantz T Lyons E F Nourse

Calif Agr 22(2):4

Feb 1968 100 C12CAG

Biological assay, Greenhouses, Plant nutritional deficiencies, Potassium, Research, Soils, Sugar beets.

21062-68

EFFECT OF TEMPERATURE ON RESPONSE OF PLANTS TO OZONE AS CONDUCTED IN A SPECIALLY DESIGNED PLANT FUMIGATION CHAMBER.

A M Cantwell
Plant Dis Rep 52(12):957-960

Dec 1968 1.9 P69P

Equipment, Fumigation, Ozone, Plant injuries, Plant protection, Plants, Research, Temperature.

21063-68

MOISTURE SENSITIVITY, MECHANICAL INJURY AND GIBBERELLIN TREATMENT OF BETA VULGARIS SEEDS.

R S Chetram W Heydecker

21064-68

Nature 215(5097):210

08 Jul 1967 472 N21

Agricultural research, Beets, Gibberellins, Harvesting injuries, Humidity, Seed germination.

21064-68

NUTRITION STRESS IN RELATION TO FUSARIUM WILT AND ROOT ROT OF ALFALFA.

C C Chi

Plant Dis Rep 52(12):939-943

Dec 1968 1.9 P69P

Alfalfa, Fusarium, Nutrition, Osmotic pressure, Physiology, Plant protection, Research, Root rot (alfalfa).

21065-68

A CO-ORDINATE INDEXING SYSTEM FOR CROP PROTECTION INFORMATION.

J I Chuter J A Silk

PANS (Pest Art News Sum) Sect C Weed Contr 14(2):111-116

Jun 1968 79.9 G792

Crops, Information retrieval systems, Insect pests, Plant diseases, Weeds.

21066-68

MARKETING OF LAC IN INDIA. 280.39 IN2.

440 P. GOVERNMENT OF INDIA

1961

Agricultural outlook, Chemurgy, Lac, Marketing research, Prices, Quantitative analysis, Research, Storage.

21067-68

THE DEVELOPMENT OF BOTRYTIS CINEREA ON CUT FLOWERS OF CARNATION.

K L Edncy

Ann Appl Biol 60(3):367-374 REF

Dec 1967 442.8 AN72

Botrytis cinerea, Conidia, Dianthus caryophyllus, Flowers, Immunization, Polyethylene, Seed germination.

21068-68

EFFECT OF SEED COATING WITH PHORATE AND DISYSTON ON THE GROWTH AND MINERAL CONTENTS OF COTTON SEEDLINGS.

M El-Kadi M Zaki M Abo-Elghar A Shaaban

An Agr Sci 9(2):45-62 REF

Dec 1964 24 AN72

Cottonseed, Disyston, Insecticides, Phorate, Physiology, Research, Seed treatment, Spraying, Arabic summary

21069-68

THE GENETICS SOCIETY OF CANADA.

Can J Genet Cytol 10(3):762

Sep 1968 443.8 C16

Genetics, Reports.

21070-68

THE EFFECTS ON SOIL FAUNA OF INSECTICIDES TESTED AGAINST WIREWORMS (AGRIOTES SPP.) IN WHEAT.

D C Griffiths F Raw J R Lofty

Ann Appl Biol 60(3):479-490 REF

Dec 1967 442.8 AN72

Aldrin, Biological assay, Collembola, Dieldrin, Elateridae, Insecticides, Mites, Organophosphorus compounds, Soil fauna, Wheat.

21071-68

ON CYST COLOUR CHANGES, BIONOMICS AND DISTRIBUTION OF POTATO CYST-HEEL-WORM (HETERODERA ROSTOCCHIENSIS WOLL.) PATHOTYPES IN THE EAST MIDLANDS.

C T Guile

Ann Appl Biol 60(3):411-419, MAP

Dec 1967 442.8 AN72

Cysts, Heterodera rostochiensis, Larvae, Nematodes, Plant ecology, Potatoes, Roots.

21072-68

CHEMICAL INDUCTION OF FRUIT ABSCIS- SION IN OLIVES.

H T Hartmann A J Heslop J Whisler

Calif Agr 22(7):14-16

Jul 1968 100 C12CAG

Abscission, Chemicals, Environment, Harvesting, Olives, Research, Spraying, Tables (data).

21073-68

EXPERIMENTS ON THE TIME OF APPLICATION OF INSECTICIDE TO DECREASE THE SPREAD OF YELLOWING VIRUSES OF SUGAR BEET, 1954-66.

R Hull G D Heathcote

Ann Appl Biol 60(3):469-478

Dec 1967 442.8 AN72

Aphididae, Aphis fabae, Demeton, Insecticide application, Methyl, Spraying, Sugar beets, Yellows.

21074-68

EFFECTS OF GROWTH REGULATORS, CCC AND B9, ON SOME POTATO VARIETIES.

E C Humphries P W Dyson

Ann Appl Biol 60(2):333-341

Oct 1967 442.8 AN72

Chloroethyltrimethylammonium chloride, (2-, Gibberellins, Plant physiology, Plant regulators, Potatoes, Succinic acid, 2,2-dimethylhydrazide.

Abstract: The effects of CCC and B9 on the growth habit of potato differed between varieties. CCC diminished stem lengths and dry weight more than B9 because Ccc was applied early when shoots emerged from the soil, but B9 was applied about 3 weeks later when several leaves had formed.

21075-68

LEAF BLADE FOLDING AND MOTOR CELLS OF SOME BLUE GRASSES. (JA

E Iwata

Gifu Univ Fac Agr Res Bull (24):327-337

1967 107.6 G364

Behaviorism, Cells, Irrigation, Leaves, Measurement, Microscopy, Plant ecology, Plant water relations, Poa annua, Poa pratensis, Research, English summary.

21076-68

THE INFLUENCE OF INDOL-3YL ACETIC ACID AND SUGAR ON THE PATTERN OF INDUCED DIFFERENTIATION IN PLANT TISSUE CULTURE.

R A Jeffis D H Northcote

J Cell Sci 2(1):77-88

Mar 1967 QH301.J6

Biology, Cytology, Indolebutyric acid, Kidney beans, Radioactivity, Sugar, Vascular system (plants).

21077-68

SOME CURRENT PROBLEMS IN PLANT PROTECTION.

M I Kabachnik

USSR Sci Abs (65):109

19 Nov 1968 241.64 UN333

Insect pests, Pesticides, Plant diseases, Plant protection.

21078-68

STUDIES ON IRRIGATION FOR HERBAGE GRASS. II. ON THE EFFICIENCY OF WATER USE BY ORCHARD GRASS AND LADINO CLOVER. (JA)

Z Kato T Nishide K Ota I Kawase

Gifu Univ Fac Agr Res Bull (24):193-203

1967 107.6 G364

Forage plants, Grasses, Irrigation, Ladino clover, Plant physiology, Research, Soil moisture. English summary.

21079-68

THE ROLE OF WOUNDS IN THE INFECTION OF ORANGES BY PENICILLIUM DIGITATUM SACC.

J A Kavanagh Wood

Ann Appl Biol 60(3):375-383

Dec 1967 442.8 AN72

Citric acid, Conidia, Injuries, Oranges, Penicillium digitatum.

21080-68

SOME FACTORS IN RESISTANCE OF CITRUS TO PHYTOPHTHORA SPP.

L J Klotz W P Bitters T A DeWolfe M J Garber

Plant Dis Rep 52(12):952-955

Dec 1968 1.9 P69P

Citrus, Fungus diseases (plants), Phytophthora, Plant protection, Research, Soils, Tables (data).

21081-68

STUDIES ON THE MOVEMENT OF SOIL WATER. II. ON THE MEASUREMENT OF THE FREE WATER IN THE SOIL OF EVERY KIND BY THE FREEZING POINT DEPRESSION METHOD AND ITS SELF-RECORDING. (JA

M Kobayashi T Furuta

Gifu Univ Fac Agr Res Bull (24):204-211

1967 107.6 G364

Measurement, Melting points, Methodology, Research, Soil moisture, Water analysis. English summary.

21082-68

HERBICIDE RESIDUES IN CALIFORNIA AGRICULTURAL SOILS.

A Lange B Fischer W Humphrey W Seyman K Baghott

Calif Agr 22(8):2-4

Aug 1968 100 C12CAG

Chemicals, Crops, Herbicide residues, Plant regulators, Research, Soils.

21083-68

PESTICIDES AND THE WASHINGTON SCENE. REPORT, 1966 MEETING, NOVEMBER 30, 1966. WASHINGTON. SB951.0M42.

L A McLean

14 P. REF

30 Nov 1966

Biochemistry, Chemical control (pests), Pesticides, Reports.

21084-68

CALIFORNIA RICE GROWERS SEEK HELP TO REDUCE AIR POLLUTION.

J R Miller

Rice J 71:23-26

Oct 1968 59.8 R36

Air pollution, Crop yields, Environment, Research, Rice, Weather forecasting.

21085-68

INHERITANCE OF REACTION TO LEAF RUST IN VULGARE WHEAT IN THE U.A.R.

A A M Omar A K A Scim A S A Gomaa

An Agr Sci 9(2):139-154 REF

Dec 1964 24 AN72

Epidemiology, Fungus diseases (plants), Leaf rust (wheat), Plant disease resistance, Research, Spraying, Water. Arabic summary

21086-68

EFFECT OF B-INDOLYLACETIC ACID ON THE GROWTH AND THE AUXIN CATABOLISM OF LACTOBACILLUS BULGARICUS.

P E Pilet B Blanc

Nature 217(5125):285-287 REF

20 Jan 1968 472 N21

Culture media, Indoleacetic acid, Lactobacillus bulgaricus, Metabolism, Oxidases, Physiology, Plant hormones, Research.

21087-68

EFFECTS OF ALAR AND TOP REMOVAL ON YIELD OF FRESNO STRAWBERRIES AT THREE DIGGING DATES.

R E Puffer V Voth H J Bowen R H Gripp

Calif Agr 22(2):11-13

Feb 1968 100 C12CAG

Research, Soil analysis, Strawberries, Succinic acid, 2,2-dimethylhydrazide.

21088-68

WORLD STATUS OF THE PLANT-PROTECTING AGENT INDUSTRY AND RESEARCH WITH SPECIAL REFERENCE TO HUNGARIAN CONDITIONS. (JPRS 42,586) TRANSL. 16933.

B Raskai

12 P.

13 Sep 1967

Industry, Insect pests, Plant diseases, Plant injuries, Plant protection, Research, Surveys, Weeds, World agricultural situation. Translated from Magyar Kémikusok Lapja 10-11:577-582, 1964. issued by CFSTI.

21089-68

PLASTIC FILM TUBE CLOSURES IN THE CONSERVATION OF FUNGAL CULTURES.

C Reynolds W Lock

Plant Dis Rep 52(12):961-962

Dec 1968 1.9 P69P

Culture media, Equipment, Fusarium oxysporum, Poria weirii, Research.

21090-68

THE EFFECT OF A POST-HARVEST HEAT-TREATMENT ON THE STORAGE BEHAVIOUR OF COX'S ORANGE PIPPIN APPLE FRUITS.

R O Sharples

Ann Appl Biol 59(3):401-406

Jun 1967 442.8 AN72

Apples, Gloeosporium, Heat, Plant physiological diseases, Storage diseases, Water analysis.

21091-68

PRODUCTION OF AUXIN BY DETACHED LEAVES.

A R Sheldrake D H Northcote

Nature 217(5124):195

13 Jan 1968 472 N21

Amino acids, Bacteria, Epiphytes, Indoleacetic acid, Kidney beans, Leaves, Oats, Peptides, Plant hormones, Research, Sampling (statistics).

21092-68

AFLATOXINS B₁, B₂, G₁, AND G₂: SEPARATION AND PURIFICATION.

R D Stubblefield O L Shotwell G M Shannon

J Amer Chem 45(10):686-688 REF

Oct 1968 307.8 J82

Aflatoxin, Aspergillus flavus, Chromatography, Research, Rice, Silicic acid, Sterilization, Wheat.

21093-68

EFFECT OF PENTACHLORONITROBENZENE ON QUALITY OF POTATOES.

J P Sweeney V J Chapman P A Hepner

Amer Potato J 45(10):383-390 REF

Oct 1968 75.8 P842

Crop yields, Pentachloronitrobenzene, Potatoes, Research, Soil testing, Storage. French summary

21094-68

STUDIES ON PLANT GROWTH-REGULATING SUBSTANCES. XXV. THE PLANT GROWTH-REGULATING ACTIVITY OF CINNAMIC ACIDS.

E N Ugochukwu R L Wain

Ann Appl Biol 61(1):121-130 REF

Feb 1968 442.8 AN72

Biochemistry, Cinnamic acid compounds, Peas, Wheat.

DISEASES

21095-68

SURVIVAL TIME OF EXOCORTIS VIRUS OF CITRUS ON CONTAMINATED KNIFE BLADES.

R M Allen

Plant Dis Rep 52(12):935-939

Dec 1968 1.9 P69P

Environment, Exocortis (citrus), Research, Tools, Virus diseases (plants).

21096-68

CRITICAL CONSIDERATIONS FOR THE TRANSLOCATION OF VIRAL NUCLEOPROTEINS INTO PLANTS.

E Baldacci E Betto G G Conti G Vegetti

Riv Patol Veg 4(2):251-262

Oct 1966 464.8 R52

Biological transport, Nucleoproteins, Reproduction, Research, Viral vaccines, Virus diseases (plants). English summary

21097-68

DIFFERENT RESULTS FROM THE SELECTION OF VIRUS FREE GRAPES.

E Baldacci G Belli

Riv Patol Veg 4(3):263-267

Oct 1967 464.8 R52

Fanleaf (grapes), Germ-free life, Grapes, Leaf roll (grapes), Research, Virus diseases (plants). English summary

21098-68

VAPOUR ACTION OF FUNGICIDES AGAINST POWDERY MILDEWS.

K J Bent

Ann Appl Biol 60(2):251-253

Oct 1967 442.8 AN72

Chemical control (plant diseases), Cucumbers, Fungicides, Leaves, Plant growth inhibitors, Powdery mildew, Seed germination, Vapors.

21099-68

GRAY MOLD OF GREEN ONIONS ON THE MARKET.

L Beraha

Plant Dis Rep 52(12):974-975

Dec 1968 1.9 P69P

Botrytis allii, Distilled water, Environment, Gray mold, Injections, Onions, Plant protection, Research, Sodium hypochlorite.

21100-68

FREEZING AND THAWING OF THE SUSPENSION TO PURIFY THE INFECTIOUS TOBACCO MOSAIC VIRUS.

E Betto G G Conti G Vegetti

Riv Patol Veg 4(3):309-321

Oct 1967 464.8 R52

Distilled water, Mosaic (tobacco), Nucleoproteins, Research, Virus diseases (plants). English summary

21101-68

POTATO LEAF ROLL VIRUS TRANSMISSION AS AFFECTED BY PLANT LOCALITY.

G W Bishop

Amer Potato J 45(10):366-372 REF

Oct 1968 75.8 P842

Correlation, Insect control, Leaf roll (potatoes), Myzus persicae, Plant translocation, Research, Virus diseases (plants).

21102-68

STUDIES ON THE INFLUENCE OF LEAF WASHINGS ON INFECTION BY MYCOSPHAERELLA LIGULICOLA.

J P Blakeman

Ann Appl Biol 61(1):77-88 REF

Feb 1968 442.8 AN72

Chrysanthemum, Dialysis, Fungus diseases (plants), Heating, Leaves, Mycosphaerella, Plant physiology.

21103-68

STRAINS OF PRUNUS, NECROTIC RINGSPOT VIRUS IN HOP (HUMULUS LUPULUS L.).

K R Bock

Ann Appl Biol 59(3):437-446 REF

Jun 1967 442.8 AN72

Apples, Centrifuges, Cherries, Hops, Mosaic (arabis), Necrotic ring spot (prunus), Nettlehead (hops), Serological tests, Sucrose.

21104-68

INFLUENCE OF DIRECT-DRILLING OF WINTER WHEAT ON INCIDENCE OF TAKE-ALL AND EYESPOT.

D H Brooks M G Dawson

Ann Appl Biol 61(1):57-64

Feb 1968 442.8 AN72

Cercospora herpotrichoides, Chemical control (plant diseases), Fungus diseases (plants), Herbicides, Ophiobolus, Paraquat, Tillage, Wheat.

21105-68

ZINC DEFICIENCY SYMPTOMS OF BEANS.

J W Brown G E Leggett

Pacific Northwest Fert Conf Proc 18:165-172

Jul 1967 57.9 P11

Beans, Deficiency diseases, Harvesting, Research, Tables (data), Zinc.

21106-68

SOME OBSERVATIONS ON THE ECONOMIC IMPORTANCE OF SUGAR-BEET DOWNY MILDEW IN ENGLAND.

W J Byford R Hull

Ann Appl Biol 60(2):281-296 REF

Oct 1967 442.8 AN72

Beets, Crop yields, Downy mildew, Economics, Fungi, Mangl-wurzel, Plant disease transmission, Plant diseases, Seeds, Sugar beets.

21107-68

MECHANICAL TRANSMISSION OF CITRUS INFECTIOUS VARIATION FROM THE CITRUS OF A NEW HOST WEED.

A Catara S Grasso

Riv Patol Veg 4(3):269-283

Oct 1967 464.8 R52

Citrus, Infectious variegation (oranges), Injections, Insect pests, Seedlings, Virus diseases (plants), Weeds. English summary

21108-68

HOST RANGE AND VARIATION IN VIRULENCE OF MYCOSPHAERELLA LIGULICOLA.

C G C Chesters J P Blakeman

Ann Appl Biol 60(3):385-390

Dec 1967 442.8 AN72

Chrysanthemum, Fungus diseases (plants), Microorganisms, Mycosphaerella, Plants, Pyrethrum, Virulence.

21109-68

DISTRIBUTION OF PEANUT STUNT VIRUS IN WHITE CLOVER IN SOUTH CAROLINA AND ITS RELATIONSHIP TO PEANUT CULTURE.

D Choopanya

Plant Dis Rep 52(12):926-928, MAP

Dec 1968 1.9 P69P

Culture media, Peanuts, Stunt, Surveys, Tables (data), Virus diseases (plants), White clover.

21110-68

ELIMINATION OF POTATO VIRUS X IN THE POTATO VARIETY DIANELLA. (DA)

M Christensen

Tidsskr Plant 72(2):241-244 REF

1968 11 T439

Heat, Plant protection, Potatoes, Virus diseases (plants), Virus x (potatoes). English summary

21111-68

THE TRANSFER OF BLUE MOLD RESISTANCE TO TOBACCO FROM NICOTIANA DEBNEYI: PT II, CHROMOSOME STUDIES.

E E Clayton H E Heggstad J J Grosso L G Burke

Tobacco 165(6):25

11 Aug 1967 286.89 T552

Chromosomes, Downy mildew (tobacco), Meiosis, Nicotiana debneyi, Research, Tobacco.

21112-68

SCREENING TRIALS OF MATERIALS FOR SUPPRESSING SPORE PRODUCTION BY GLOEOSPORIUM PERENNANS ON APPLE TREES.

A T K Corke

Ann Appl Biol 60(2):241-249

Oct 1967 442.8 AN72

Apples, Biochemistry, Canker, Fungicides, Gloeosporium, Plant budding, Plant disease transmission, Trees.

21113-68

THE ADAPTATION OF TOMATO MOSAIC VIRUS TO RESISTANT TOMATO PLANTS.

J R O Dawson

Ann Appl Biol 60(2):209-214 REF

Oct 1967 442.8 AN72

Breeding, Immunization, Mosaic (tomatoes), Plant disease resistance, Plant disease transmission, Plant genetics, Virus diseases (plants).

21114-68

21114-68

SPREAD OF NECROTIC RINGSPOT VIRUS IN A SOUR CHERRY ORCHARD.

J W Demski J S Boyle

Plant Dis Rep 52(12):972-974

Dec 1968 1.9 P69P

Crop yields, Necrotic ring spot (cherries), Orchidaceae, Plant protection, Research, Sour cherries, Virus diseases (plants).

21115-68

BIOCHEMICAL CHANGES IN INFECTION DROPLETS CONTAINING SPORES OF BOTRYTIS SPP. INCUBATED IN THE SEED CAVITIES OF PODS OF BEAN (VICIA FABA L.).

B J Deverall

Ann Appl Biol 59(3):375-387 REF

Jun 1967 442.8 AN72

Amino acids, Beans, Botrytis, Botrytis cinerea, Broadbeans, Fructose, Fungicides, Galacturonic acid, Glucose, Sucrose.

21116-68

STUDIES ON THE SURVIVAL OF MYCOSPHAERELLA PINODES AND ASCOCHYTA PISI.

C H Dickson J J Sheridan

Ann Appl Biol 62(3):473-483 REF

Dec 1968 442.8 AN72

Ascochyta pisi, Fungus diseases (plants), Hibernation, Laboratories, Microorganisms, Mycosphaerella pinodes, Research, Soils.

21117-68

RESULTS OF SEVERAL YEARS OF EXPERIMENTS CONCERNING RESISTANCE TO LOOSE SMUT IN SPRING WHEAT AND SPRING BARLEY. (GE)

R Diercks R Klewitz

Nachrichtenbl Deut Pflanzenschutzdienstes

20(5):70-72

May 1968 442.9 B832

Breeding, Injections, Plant disease resistance, Research, Smut (barley), Smut (wheat). English summary

21118-68

EFFECT OF SOIL FUMIGANTS ON FUSARIUM WILT AND NODULATION OF PEAS (PISUM SATIVUM L.).

D L Ebbels

Ann Appl Biol 60(3):391-398 REF

Dec 1967 442.8 AN72

Chloropicrin, Dazomet, Formaldehyde, Fusarium, Peas, Pisum sativum, Rhizobium, Soil fumigation, Wilt.

21119-68

INFECTION OF XANTHIUM PUNGENS BY SEEDBORNE VERTICILLIUM DAHLIAE.

G Evans

Plant Dis Rep 52(12):976-978

Dec 1968 1.9 P69P

Fungus diseases (plants), Greenhouses, Research, Seedlings, Soil structure, Verticillium dahliae, Xanthium pungens.

21120-68

INHERITANCE OF CROWN RUST RESISTANCE IN AVENA STERILIS. (ABSTRACT).

G Fleischmann R I H McKenzie

Can J Genet Cytol 10(3):762

Sep 1968 443.8 C16

Crown rust (avena sterilis), Fungus diseases (plants), Genetics, Inheritance, Plant disease resistance. Genetics Society of Canada annual meeting May 15-17, 1968

21121-68

PHYTOPHTHORA (PHYTOPHTHORA MEGASPERMA) ROOT ROT OF ALFALFA.

F I Froshaiser

Minn Sci 24(4):10

1968 100 M668

Alfalfa, Crop yields, Environment, Fungus diseases (plants), Greenhouses, Phytophthora megasperma, Soil moisture, Surveys.

21122-68

THE EFFECT OF ROSETTE VIRUS ON FLOWERING IN THE GROUNDNUT (ARACHIS HYPOGAEA L.).

R W Gibbons A C Turley

Rhodesia, Zambia, Malawi J Agr Res 5(2):139-143

Jul 1967 24 R3472

Peanuts, Plant physiology, Reproduction, Rosette, Tables (data), Virus diseases (plants).

21123-68

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

A J Gibbs G Giussani-Belli H G Smith

Ann Appl Biol 61(1):99-107 REF

Feb 1968 442.8 AN72

Broadbeans, Mosaic, Ribonucleic acid, Serological tests, Virus diseases (plants).

21124-68

MIMOSA WILT FUSARIUM CARRIED IN SEED.

D L Gill

Plant Dis Rep 52(12):949-951

Dec 1968 1.9 P69P

Albizia julibrissin, Fusarium oxysporum, Injections, Mimosa, Plant translocation, Research, Seedlings, Wilt.

21125-68

A RUST OF TOBACCO IN RHODESIA.

W F T Hartill

Rhodesia, Zambia, Malawi J Agr Res 5(2):189

Jul 1967 24 R3472

Fungus diseases (plants), Plant physiology, Puccinia, Rust, Tobacco.

21126-68

FINE STRUCTURE OF THE RICE BLAST. II. ELECTRONMICROGRAPHS OF THE INITIAL INFECTION.

Y Hashioka H Ikegami O Horino T Kamei

Gifu Univ Fac Agr Res Bull (24):78-90 REF

1967 107.6 G364

Blast (rice), Cells, Fungi, Fungus diseases (plants), Research. Japanese summary

21127-68

VIABLE SEPTORIA SPP. IN CELERY SEED SAMPLES.

P D Hewett

Ann Appl Biol 61(1):89-98

Feb 1968 442.8 AN72

Agar, Celery, Culture media, Injections, Reproduction, Seedlings, Septoria.

21128-68

RUSSET CRACK; A MENACE TO THE SWEET-POTATO INDUSTRY. II. NATURAL TRANSMISSION.

E H Hilbebrand

Plant Dis Rep 52(12):967-971

Dec 1968 1.9 P69P

Crop losses, Insect vectors, Myzus persicae, Research, Russet crack (sweetpotatoes), Sweetpotatoes, Trialeurodes abutilonea, Virus diseases (plants).

21129-68

OBSERVATIONS ON THE VAPOUR PHASE ACTIVITY OF SOME FOLIAGE FUNGICIDES.

E C Hislop

Ann Appl Biol 60(2):265-279 REF

Oct 1967 442.8 AN72

Biochemistry, Biological assay, Botrytis, Culture media, Dosage, Equipment, Fungicides, Immunity, Leaves, Plant growth inhibitors, Seed germination, Vapors.

21130-68

NON-FUNGICIDAL, CHEMICAL CONTROL OF SOILBORNE DISEASES.

D M Huber

Pacific Northwest Fert Conf Proc 18:95-98

Jul 1967 57.9 P11

Chemical control (plant diseases), Crops, Deficiency diseases, Fumigation, Fungicides, Research, Soil-borne plant diseases.

21131-68

PEAR LEAF CURL VIRUS TRANSMITTED BY PEAR PSYLLA.

G H Kaloostian L S Jones

Plant Dis Rep 52(12):924-925

Dec 1968 1.9 P69P

Insect vectors, Leaf curl, Psylla pyricola, Research, Trees, Virus diseases (plants).

21132-68

REACTIONS OF GROUNDNUT VARIETIES TO THE GROUNDNUT VIRUSES.

P J Klesser

S Afr J Agr Sci 11(2):415-421

Jun 1968 24 SU3

Chlorosis (plants), Mosaic (peanuts), Peanuts, Plant disease resistance, Virus diseases (plants).

21133-68

WEED CONTROL IN FLUE-CURED TOBACCO.

G C Klingman

Tobacco 165(10):25

08 Sep 1967 286.89 T552

Chemical control (weeds), Flue-cured tobacco, Herbicides, Reports, Research, Tobacco, Weed control.

21134-68

EXPERIMENT RESULTS AND PROBLEMS OF PHYTOPATHOGENIC VIRUSES IN GERMAN DEMOCRATIC REPUBLIC. (POL)

M Klinkowski

Poznan Inst Ochrony Roslin Biul 28(1):76

1967 464.9 P87

Chemical control (plant diseases), Fruit, Ornamental plants, Phytopathology, Plant breeding, Potatoes, Sugar beets, Trees, Vegetables. Summary in English

21135-68

SOME EFFECTS OF CULTURAL TREATMENTS ON VIRUS DISEASES OF CULTIVATED MUSHROOM, AGARICUS BISPORUS.

F T Last M Hollings O M Stone

Ann Appl Biol 59(3):451-462 REF

Jun 1967 442.8 AN72

Agar, Cultural control (plant diseases), Electron microscopy, Heating, Immunization, Mushrooms, Plant abnormalities, Virus diseases (plants).

21136-68

DIFFERENCES IN SENSITIVITY TO BORON DEFICIENCY FOUND IN VARIETIES OF ROOT CELERY. (GE)

H O Leh

Nachrichtenbl Deut Pflanzenschutzdienstes

20(6):82-83

Jun 1968 442.9 B832

Boron, Breeding, Celery, Plant nutritional deficiencies, Research, Roots. English summary

21137-68

ALFALFA ANTHRACNOSE IN WASHINGTON.

O C Maloy

Plant Dis Rep 52(12):983

Dec 1968 1.9 P69P

Alfalfa, Anthracnose, Colletotrichum, Fungus diseases (plants), Research, Surveys.

21138-68

EMERGENCE AND PHYTOPATHOLOGICAL PROPERTIES OF A NEW STRAIN OF CLAVICEPS PURPUREA (FR.) TUL. ON RYE.

P G Mantle

Ann Appl Biol 60(3):353-356

Dec 1967 442.8 AN72

Alkaloids, Claviceps purpurea, Lolium, Phytopathology, Rye, Sclerotia.

21139-68

EFFECT OF WAX AND LANOLIN EMULSIONS ON THE EFFICIENCY OF POTATO-BLIGHT FUNGICIDES IN LABORATORY TESTS.

- A H McIntosh D W Eveling
Ann Appl Biol 60(2):223-230
Oct 1967 442.8 AN72
Biochemistry, Early blight (potatoes), Emulsions, Fungicides, Paraffin wax, Phytophthora infestans, Plant diseases, Wool fat.
- 21140-68**
FURTHER STUDY OF THE LATENT STRAIN OF THE TOBACCO MOSAIC VIRUS.
H H McKinney
Plant Dis Rep 52(12):919-922
Dec 1968 1.9 P69P
Injections, Leaves, Mosaic (tobacco), Nicotiana sylvestris, Research, Serological tests, Virus diseases (plants).
- 21141-68**
DISEASES OF FLORIDA FLUE-CURED TOBACCO IN 1968.
C R Miller R S Mullin E B Whitty
Plant Dis Rep 52(12):984
Dec 1968 1.9 P69P
Flue-cured tobacco, Fungus diseases (plants), Meloidogyne, Research, Tobacco.
- 21142-68**
REACTION OF PEPPER VARIETIES TO NATURALLY OCCURRING VIRUSES IN CALIFORNIA.
H Nagai P G Smith
Plant Dis Rep 52(12):928-930
Dec 1968 1.9 P69P
Agglutination test, Bush redpeppers (vegetable), Injections, Research, Virus diseases (plants).
- 21143-68**
INHERITANCE OF RESISTANCE TO BLACK ROOT-ROT DISEASE IN TOBACCO. I. ANALYSIS OF THE GENE CONTROLLING THE RESISTANCE. (JA)
A Nakamura T Matuda H Nakatogana
Jap J Breed 18(4):241-246 REF
Aug 1968 64.8 J27
Black root rot (tobacco), Breeding, Genes, Heredity, Plant disease resistance, Plant genetics, Tables (data).
- 21144-68**
VIRUS DISEASE SURVEY OF RICE PLANTS IN KYUSHU DISTRICT, 1962.
T Nishizawa T Kimura Y Nishi
Kyushu Agr Exp Sta Bull 12(3/4):251-268
Jan 1967 107.6 K996B
Culture media, Research, Rice, Surveys, Transplanting, Virus diseases (plants). English summary
- 21145-68**
AMINO ACID SEQUENCE OF A COMMON JAPANESE STRAIN OF TOBACCO MOSAIC VIRUS.
Y Nozu Y Okada
J Molec Biol 35(3):643-646
14 Aug 1968 442.8 J8224
Amino acids, Biochemistry, Chromatography, Mosaic (tobacco), Peptides, Research, Virus diseases (plants).
- 21146-68**
PHOMA LEAF SPOT OF TOMATO AND POTATO IN HAWAII.
F P Obrero E E Trujillo M Aracaki
Plant Dis Rep 52(12):946-947
Dec 1968 1.9 P69P
Culture media, Injections, Leaf spot, Phoma, Potatoes, Research, Surveys, Tomatoes.
- 21147-68**
CONTROL OF POWDERY MILDEW ON CANTALOUPE.
A O Paulus F Shibuya T W Whitaker B J Hall G W Bohn
Calif Agr 21(3):12-13
Mar 1967 100 C12CAG
Cantaloupes, Fungus diseases (plants), Pest control, Powdery mildew (cantaloupes).
- 21148-68**
HEMATOLOGIC EXAMINATION, AN AID IN THE DIAGNOSIS OF CATTLE LEUCOSIS. (SP)
Gh Paunescu Z Sirbu
Rev Zootech Med Vet 6:49-58
Jun 1968 49 P943
Anatomy, Animal diseases, Blood cells, Cattle, Epizootic diseases, Hematology, Histology, Research. Russian and English summary
- 21149-68**
SOIL DESICCATION AND FUMIGATION FOR ARMILLARIA ROOT ROT IN CITRUS.
R L Rackham W D Wilbur T E Szuszkiewicz J Hara
Calif Agr 22(1):16-18
Jan 1968 100 C12CAG
Armillaria mellea, Citrus, Fumigation, Fungus diseases (plants), Research, Soils.
- 21150-68**
INFLUENCE OF LIGHT ON ALTERNATION PRODUCTS OF UROMYCES PHASEOLI (PERS.) WINT.; MAINLY A BURDEN OF AMINO ACIDS ON STRING BEANS.
V Raggi
Riv Patol Veg 4(2):263-302
Oct 1966 464.8 R52
Amino acids, Beans, Leaves, Light, Research, Uromyces phaseoli. English summary
- 21151-68**
TWEEN 20 AS AN ADJUVANT FOR SYSTEMIC SOIL FUNGICIDES FOR VERTICILLIUM IN COTTON.
T E Rawlins J A Booth
Plant Dis Rep 52(12):944-945
Dec 1968 1.9 P69P
Adjuvants, Chemical control (plant diseases), Fungicides, Physiology, Plant regulators, Research, Tables (data), Upland cotton, Verticillium albo-atrum.
- 21152-68**
THE INCORPORATION OF ALIEN DISEASE RESISTANCE IN WHEAT BY GENETIC INTERFERENCE WITH THE REGULATION OF MEIOTIC CHROMOSOME SYNAPSIS.
R Ripley V Chapman R Johnson
Genet Res 12(2):199-219 REF
Oct 1968 443.8 G283
Breeding, Chromosomes, Meiosis, Plant disease resistance, Plant diseases, Plant genetics, Research, Wheat.
- 21153-68**
SOME FACTORS AFFECTING GERMINATION OF PERONOSPORA FARINOSA CONIDIA IN WATER.
G E Russell G M Evans
Ann Appl Biol 62(3):465-471
Dec 1968 442.8 AN72
Fungus diseases (plants), Peronospora farinosa, Research, Stimulants, Sugar beets, Water.
- 21154-68**
EVALUATION OF LETTUCE VARIETIES AND BREEDING LINES FOR RESISTANCE TO COMMON LETTUCE MOSAIC.
E J Ryder
U S D A Tech Bull 1391:8 P.
May 1968 1 AG840TE
Biochemistry, Breeding, Chemical control (plant diseases), Host indexing (plants), Irradiation, Mosaic (lettuce), Plant disease resistance, Seedlings, Tables (data), Virus diseases (plants).
- 21155-68**
FUNGICIDAL CONTROL OF WATERMELON DOWNY MILDEW AND ITS RELATIONSHIP TO FIRST INFECTION IN THE FIELD.
N C Schenck
Plant Dis Rep 52(12):979-981 REF
Dec 1968 1.9 P69P
Chemical control (plant diseases), Downy mildew, Fungicides, Plant protection, Research, Spraying, Tetrachloroisophthalonitrile, Watermelons.
- 21156-68**
STRAINS OF VERTICILLIUM WILT FUNGUS IN CALIFORNIA COTTON.
W C Schnathorst D E Mathre
Calif Agr 21(3):4-5
Mar 1967 100 C12CAG
Cotton, Fungus diseases (plants), Verticillium albo-atrum, Wilt (cotton).
- 21157-68**
A CASE OF CLOSTRIDIUM WELCHII-INDUCED ABORTION IN CATTLE. (SP)
I Sofletea
Rev Zootech Med Vet 7(18):51-54
Jun 1968 49 P943
Abortion, Animal diseases, Cattle, Clostridium welchii, Research, Toxicology. English, French, and Russian summary
- 21158-68**
CARBONYL SULPHIDE FROM THE DECOMPOSITION OF CAPTAN.
E Somers D V Richmond J A Pickard
Nature 215(5097):214
08 Jul 1967 472 N21
Captan, Carbonyl sulphide, Chromatography, Decomposition, Fungicides, Research.
- 21159-68**
A SODIUM-LINKED DISEASE OF PONDEROSA PINE IN DENVER, COLORADO.
J M Staley J Altman R A Spotts
Plant Dis Rep 52(12):908-910
Dec 1968 1.9 P69P
Chlorosis (plants), Necrosis, Pinus ponderosa, Research, Sodium, Tree diseases.
- 21160-68**
INHERITANCE OF RESISTANCE IN MAIZE TO THE VIRUS OF STREAK DISEASE IN EAST AFRICA.
H H Storey A K Howland
Ann Appl Biol 59(3):429-436
Jun 1967 442.8 AN72
Corn, Genes, Immunization, Streak (corn), Virus diseases (plants).
- 21161-68**
RESISTANCE IN MAIZE TO A THIRD EAST AFRICAN RACE OF PUCCINIA POLYSORA UNDERW.
H H Storey A K Howland
Ann Appl Biol 60(2):297-303
Oct 1967 442.8 AN72
Breeding, Corn, Immunization, Leaves, Plant genetics, Puccinia polysora.
- 21162-68**
FRUITTREE VIRUSES INACTIVATED BY THERMOTHERAPY. (DA)
A Thomsen
Tidsskr Plant 72(2):141-152 REF
1968 11 T439
Culture media, Drug therapy, Fruit, Research, Temperature, Trees, Virology, Virus diseases (plants). English summary
- 21163-68**
INCREASED SUSCEPTIBILITY OF BLACK-CURRENT BUSHES TO THE GALL-MITE VECTOR (PHYTOPTUS RIBIS NAL.) FOLLOWING INFECTION WITH REVERSION VIRUS.
J M Thresh
Ann Appl Biol 60(3):455-467 REF
Dec 1967 442.8 AN72
Cecidophyes ribis, Currants, Eriophyidae, Plant disease control, Reversion (currants).
- 21164-68**
THE ISOLATION AND IDENTIFICATION OF RHUBARB VIRUSES OCCURRING IN BRITAIN.
J A Tomlinson D G A Walkey
Ann Appl Biol 59(3):415-427 REF
Jun 1967 442.8 AN72
Aphis fabae, Chenopodium amaranticolor, Crop varieties, Immunization, Leaf roll (cherries), Mosa-

ic, Myzus persicae, Rhubarb, Serological tests, Virus a (strawberries).

21165-68
INACTIVATION OF POTATO LEAF ROLL VIRUS IN TUBERS BY HOT WATER TREATMENT.

G C Upreti B B Nagaich

Amer Potato J 45(10):373-377 REF

Oct 1968 75.8 P842

Hot water treatment (plants), Leaf roll (potatoes), Potatoes, Research, Seed germination, Virus diseases (plants). French summary

21166-68
PHOSPHORUS DEFICIENCY DECREASES STOMATAL ACTIVITY AND WATER USE OF PLANTS.

A Wallace A Deutsch

Calif Agr 22(8):15

Aug 1968 100 C12CAG

Deficiency diseases, Laboratories, Phosphorus, Research, Stomata, Temperature, Tobacco, Water.

21167-68
STUDIES ON THE TRANSMISSION OF GROUNDNUT ROSETTE VIRUS BY APHIS CRACCIVORA KOCII.

M A Watson B A M Okusanya

Ann Appl Biol 60(2):199-208 REF

Oct 1967 442.8 AN72

Aphis craccivora, Culture media, Immunization, Insect vectors, Peanuts, Plant disease transmission, Rosette (peanuts), Virus diseases (plants).

21168-68
SOURCES OF INOCULUM OF THE BLACK SPOT FUNGUS, GUIGNARDIA CITRICARPA, IN INFECTED RHODESIAN CITRUS ORCHARDS.

J O Whiteside

Rhodesia, Zambia, Malawi J Agr Res 5(2):171-177 REF

Jul 1967 24 R3472

Biological control (plant diseases), Black spot (citrus), Citrus, Guignardia citricarpa, Plant diseases, Pruning.

21169-68
MICRO-METEOROLOGICAL STUDIES OF COFFEE BERRY DISEASE. A FIELD INVESTIGATION INTO THE INCIDENCE OF THE PHYSICAL CONDITIONS FAVOURABLE FOR SPORE GERMINATION.

T Woodhead

Ann Appl Biol 62(3):451-463

Dec 1968 442.8 AN72

Coffee berry disease, Colletotrichum coffeanum, Meteorology, Plant protection, Plantations, Research, Seed germination, Temperature.

ARTHROPODS

21170-68
THE VECTORS AND ALTERNATIVE HOSTS OF GROUNDNUT ROSETTE VIRUS IN CENTRAL PROVINCE MALAWI.

A N Adams

Rhodesia, Zambia, Malawi J Agr Res 5(2):145-151 REF

Jul 1967 24 R3472

Aphididae, Crimson clover, Host indexing (plants), Insect vectors, Peanuts, Research, Rosette, Stylosanthes, Virus diseases (plants).

21171-68
RESEARCH AND BIOLOGY OF THE TAPHRINA DEFORMANS AND THE METHOD TO CONTROL THESE PARASITES.

M D Armini

Riv Patol Veg 4(2):221-250 REF

Oct 1966 464.8 R52

Biology, Chemical control (insects), Chemicals, Insect behavior, Parasitic insects, Peaches, Research, Taphrina deformans, Trees. English summary

21172-68
WHEAT BULB FLY, LEPTOMYLEMYIA COARCTATA FALL., AND ITS EFFECT ON THE GROWTH AND YIELD OF WHEAT.

R Bardner

Ann Appl Biol 61(1):1-11 REF

Feb 1968 442.8 AN72

Crop yields, Herbicides, Hylemya coarctata, Insect pests, Larvae, Plant injuries, Plant physiology, Weather, Wheat.

21173-68
THE DETERMINATION OF IRREGULARLY-SHAPED AREAS OF LEAVES DESTROYED BY CHEWING INSECTS.

D M Benjamin G H Freeman E S Brown

Ann Appl Biol 61(1):13-17

Feb 1968 442.8 AN72

Corn, Crop yields, Insect pests, Larvae, Leaves, Plant injuries, Spodoptera exempta.

Abstract: Methods for determining leaf area are reviewed: it is concluded that the most satisfactory method for determining the irregular areas of leaves eaten by chewing insects is likely to be the dot-grid method.

21174-68
INSECTICIDE EVALUATION FOR COTTON BOLLWORM.

J H Black C E Jackson T F Leigh D Gonzalez

Calif Agr 22(6):8-9

Jun 1968 100 C12CAG

Chemical control (insects), Cotton, Crop losses, Heliothis zea, Insecticides, Plant injuries, Research, Spraying.

21175-68
A GUIDE TO THE USE OF PESTICIDES FOR THE CONTROL OF AGRICULTURAL AND HOUSEHOLD PESTS. 423.9 S0822.

J Bot N Hollings

125 P. REF REPUBLIC OF SOUTH AFRICA

Jun 1968

Biochemistry, Chemical control (pests), Household pests, Insect pests, Pesticides, Reference materials.

21176-68
THE SOYBEAN CYST NEMATODE THREAT.

S A Breth

Crops Soils 21(1):7-13, MAP

Oct 1968 6 W55

Crop yields, Cysts, Geography, Insect control, Insect migration, Nematodes, Research, Soybeans.

21177-68
ALMOND STICKTIGHTS CONTRIBUTE TO NAVEL ORANGEWORM INFESTATIONS.

L E Caltagirone D W Meals K P Shea

Calif Agr 22(3):2-3

Mar 1968 100 C12CAG

Almonds, Crop losses, Hibernation, Insect control, Morphology, Paramyelois transitella, Reports, Research.

21178-68
INSECT DAMAGE TO SESAME...AND CONTROL POSSIBILITIES.

E C Carlson

Calif Agr 21(11):14-15

Nov 1967 100 C12CAG

Chemical control (insects), Insect pests, Plant injuries, Plant protection, Sesame.

21179-68
CONTROL OF SUNFLOWER MOTH LARVAE AND DAMAGE TO SUNFLOWER SEEDS.

E C Carlson

Calif Agr 22(7):6-8

Jul 1968 100 C12CAG

Biology, Chemical control (insects), Homoeosoma electellum, Insecticides, Larvae, Research, Seed treatment, Sunflowers.

21180-68
PHOTOCHEMICAL OXIDANT INJURY AND BARK BEETLE (COLEOPTERA:

SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. II. EFFECT OF INJURY UPON PHYSICAL PROPERTIES OF OLEORESIN, MOISTURE CONTENT, AND PHLOEM THICKNESS.

F W Cobb D L Wood R W Stark P R Miller

Hilgardia 39(6):127-134

May 1968 100 C12H

Oleoresins, Phloem, Photochemistry, Pinus ponderosa, Plant injuries, Scolytidae, Water.

21181-68
THE VALUE OF A FLUORESCENT TRACER IN DETERMINING THE QUANTITY OF DIELDRIN ON HONEYBEES FORAGING IN A SPRAYED CROP.

B A Cooper P H Needham J H Stevenson

J Apicult Res 7(1):47-50

1968 424.8 J82

Apis mellifera, Chromatography, Dieldrin, Fluorescent dyes, Lethal factor, Plants, Research, Spraying.

21182-68
INSECTICIDAL TRIALS AGAINST JOWAR PESTS.

S K Dorge V P Dalaya M V Gaikwar

Plant Protect Bull 19(1):15-20

1967 421 P69

Durra, Insect pests, Insecticides, Plant protection, Research.

21183-68
INOCULATION METHODS WITH THE ROOT LESION NEMATODE PRATYLENCHUS BRACHURUS AND SYMPTOM EXPRESSION ON TOBACCO.

T W Graham Z T Ford

Tobacco 166(5):25

02 Feb 1968 286.89 T552

Breeding, Extracts, Greenhouse culture, Injections, Pratylenchus brachyurus, Research, Roots, Tobacco.

21184-68
EFFECT OF IONIZING RADIATION ON DACUS ZONATUS FRUIT FLY EGGS AND LARVAE IN SITU.

H Haque Ch R Ahmad

Pakistan J Sci 19(5-6):233-238

Nov 1967 475 P172

Dacus, Eggs, Guavas, Insect physiology, Ionization, Larvae.

21185-68
INSECT CONTROL ON CUCUMBERS, MELONS, SQUASH AND PUMPKINS.

E D Jr. Harris

Ga Univ Coll Agr Ext Serv Circ 566:7P.

Jul 1968 275.29 G290C

Cucumbers, Insect control, Insecticides, Melons, Plant protection, Pumpkins, Squash.

21186-68
TWO-SPOTTED MITE CONTROL IN WALNUTS.

L C Hendricks Jr C S Davis W C Batiste

Calif Agr 22(6):2-13

Jun 1968 100 C12CAG

Chemicals, Oils, Plant injuries, Research, Tetranychus urticae, Walnuts.

21187-68
SEASONAL POPULATION TRENDS OF PESTS AND PREDATORS UNDER PESTICIDE TREATMENTS IN APPLE ORCHARDS WITH RELEASE OF SOME PREDATORS.

S Hukusima

Gifu Univ Fac Agr Res Bull (24):91-113 REF

1967 107.6 G364

Apples, Biochemistry, Biological control (insects), Chemical control (pests), Climate, Insect pests, Pesticides, Population, Temperature. Japanese summary.

- 21188-68
STUDIES OF THE INSECT COMPLEX AFFECTING SEED PRODUCTION OF PONDEROSA PINE IN CALIFORNIA. SB608.P65K6.
T W Koerber
86P. MAP REF
Sep 1967
Entomology, Pinus ponderosa, Plant physiology, Reproduction, Research, Seeds.
- 21189-68
SELECTIVE NITROGEN ASSIMILATION BY PORIA WEIRII.
C Y Li K C Lu J M Trappe W B Bollen
Nature 213(5078):814 REF
25 Feb 1967 472 N21
Biological control (pcsts), Culture media, Enzymes, Nitrogen, Plant extracts, Plant injuries, Poria weirii, Research, Roots, Soils.
- 21190-68
MORPHOLOGICAL CHANGES IN A PARASITIC NEMATODE DUE TO ACQUIRED RESISTANCE OF THE HOST.
J F Michel
Nature 215(5100):520-521
29 Jul 1967 472 N21
Cattle, Culture media, Morphology, Mortality, Nematodes, Oostercaria oostertagi, Parasitic insects, Research.
- 21191-68
RICE WATER WEEVIL INCREASE NOTED IN CALIFORNIA.
D S Mikelsen
Rice J 71:15
Oct 1968 59.8 R36
Insect control, Lissorhoptrus oryzophilus, Reports, Rice, Seed treatment.
- 21192-68
SYNTHESIS OF A PLANT HORMONE BY THE SALIVARY APPARATUS OF PLANT-SUCKING HEMIPTERA.
P W Miles J Lloyd
Nature 213(5078):801-802
25 Feb 1967 472 N21
Crown galls, Culture media, Elasmolomus sordidus, Eumecopus punctiventris, Hemiptera, Indoleacetic acid, Insect vectors, Plant hormones, Salivary glands (insects).
- 21193-68
PHOTOCHEMICAL OXIDANT INJURY AND BARK BEETLE (COLEOPTERA: SCOLYTIDAE) INFESTATION OF PONDEROSA PINE. III. EFFECT OF INJURY ON OLEORESIN COMPOSITION, PHLOEM CARBOHYDRATES, AND PHLOEM PH.
P R Miller F W Jr. Cobb E Zavarin
Hilgardia 39(6):135-140
May 1968 100 C12H
Carbohydrates, Hydrogen-ion concentration, Oleoresins, Phloem, Photochemistry, Pinus ponderosa, Plant injuries, Scolytidae.
- 21194-68
BENT GRASS: A GOLDEN OPPORTUNITY TO DO AWAY WITH A PEST.
B Muir
J Agr 66(PT 2):271-275
Aug 1968 23 V660J
Agrostis, Fertilizers, Insect pests, Pest control, Plant injuries, Soil structure, Tillage.
- 21195-68
CONTROL OF STRAWBERRY MITE (CYCLAMEN MITE) STENEOTARSONEMUS PALLIDUS (BANKS 1901). 5TH CONTRIBUTION. (GE)
W K Muller
Nachrichtenbl Deut Pflanzenschutzdienstes 20(5):73-75 REF
May 1968 442.9 B832
Acaricides, Chemical control (pests), Endosulfan, Organic compounds, Pesticides, Phosphorus, Spraying, Steneotarsonemus pallidus, Strawberries, Tables (data), Tarsonemidae. English summary
- 21196-68
NEW SPIDER MITE POSES THREAT TO CALIFORNIA'S SOLANACEOUS CROPS.
E R Oatman C A Fleschner J A McMurtry
Calif Agr 21(10):10-12
Oct 1967 100 C12CAG
Eggplant, Insect pests, Plant protection, Potatoes, Solanum nigrum, Tctranychidae, Tomatoes.
- 21197-68
HELIOTHIS ARMIGERA (HIUBNER), AMERICAN BOLLWORM, ON WHEAT IN WEST KILIMANJARO, TANZANIA.
R H Parish R A Makusi
Arusha Trop Pesticides Res Inst Misc Rep 589:11 P.
Nov 1966 423.92 G7922
Heliothis armigera, Insect pests, Plant injuries, Population, Seedlings, Tables (data), Wheat.
- 21198-68
DESIGN AND EVALUATION OF EQUIPMENT FOR BASAL APPLICATION OF SYSTEMIC INSECTICIDES TO CONTROL COTTON PLANTS.
B G Reeves L H Wilkes R L Ridgway D A Lindquist
Amer Soc Agr Eng Trans Asae 10(2):179-181 REF
1967 290.9 AM32T
Chemical control (insects), Cotton, Equipment, Insecticides, Laboratories, Lygus hesperus, Research, Spraying.
- 21199-68
A PROGRESS REPORT...OLIVE YIELD DECLINE STUDY IN TEHAMA COUNTY.
W R Schreder A D Rizzi
Calif Agr 21(3):8-9
Mar 1967 100 C12CAG
Crop yields, Insect pests, Mites, Olives, Research.
- 21200-68
ORGANIC INSECTICIDES AND SOME RECENT TRENDS IN PEST CONTROL.
S Singh
Plant Protect Bull 19(1):6-14
1967 421 P69
Chemical control (insects), Insect pests, Insecticides, Organic compounds, Plant protection.
- 21201-68
EFFECTS OF OIL SPRAYS FOR CONTROLLING PACIFIC MITE ON GRAPEVINES.
E M Stafford J E Dibble C D Lynn W B Hewitt
Calif Agr 22(5):2-3
May 1968 100 C12CAG
Grape vineyards, Mites, Oils, Plant diseases, Plant injuries, Research, Spraying.
- 21202-68
CONTROL OF APHIDS ON BARLEY. ECONOMIC TREATMENT LEVELS. ANALYSIS OF YIELD INCREASES.
V M Stern W R Bowen
Calif Agr 21(3):14-15
Mar 1967 100 C12CAG
Aphididae, Barley, Crop yields, Economics, Insect control, Insect pests.
- 21203-68
ON THE LETHAL EFFECTS OF METHYL BROMIDE TO BROAD BEAN WEEVIL (BRUCHUS RUFIMANUS BOHEMAN). SB608.0B30Y63.
S Yoshimura
8 P.
1968
Bruchus rufimanus, Dosage, Fumigation, Insect pests, Lethal factor, Methyl bromide, Seedlings, Storage.
- 21204-68
STUDIES ON THE SYNERGETIC EFFECT OF CERTAIN ORGANOPHOSPHORUS INSECTICIDES.
M M Zaki M A El-Gahr S H Mitry
An Agr Sci 9(2):65-78
Dec 1964 24 AN72
- Azinphosmethyl, Cotton, Fenitron, Insecticides, Organic compounds, Phosphorus, Prodenia litura, Tables (data), Trichlorfon. Arabic summary

NEMATODES

- 21205-68
SOME EFFECTS OF THE NEMATODES DITYLENCHUS MYCELIOPHAGUS AND APHELENCHOIDES COMPOSTICOLA ON THE YIELD OF THE CULTIVATED MUSHROOM.
N P Arrol C D Blake
Ann Appl Biol 61(1):161-166
Feb 1968 442.8 AN2
Aphelenchoides, Ditylenchus, Injections, Mushrooms, Nematodes, Reproduction.
- 21206-68
A COMPARISON OF CEREAL ROOT EELWORM RESISTANT AND SUSCEPTIBLE SPRING BARLEY GENOTYPES AT TWO SITES.
J Cotten
Ann Appl Biol 59(3):407-413
Jun 1967 442.8 AN72
Barley, Genotypes, Heterodera avenae, Nematodes, Pratylenchus.
- 21207-68
PRODUCTION OF ETHANOL AND SUCCINATE BY MONILIFORMIS DUBIUS (ACANTHOCEPHALA).
D W T Crompton P F V Ward
Nature 215(5104):964-965
26 Aug 1967 472 N21
Biochemistry, Chromatography, Ethyl alcohol, Excreta, Moniliformis dubius, Parasitism, Periplaneta americana, Rats, Succinates.
- 21208-68
RESISTANCE TO THE POTATO CYST-NEMATODE, HETERODERA ROSTOCHIENSIS, IN THE PLANT GENUS LYCOPERSICON.
P R Ellis
Ann Appl Biol 61(1):151-160 REF
Feb 1968 442.8 AN72
Heterodera rostochiensis, Injections, Lycopersicon, Nematodes, Plant nematode resistance, Potatoes, Solanum, Tomatoes.
- 21209-68
SUSCEPTIBILITY OF EIGHTEEN POTATO VARIETIES TO MELOIDOGYNE HAPLA.
G D Griffin G L Stoker
Plant Dis Rep 52(12):956
Dec 1968 1.9 P69P
Chemical control (nematodes), Crop losses, Immunity, Meloidogyne hapla, Plant protection, Potatoes, Research.
- 21210-68
ON THE LOCOMOTIVE BEHAVIOR OF PANAGRELLUS REDIVIVUS (NEMATODA).
L Helbig
Pedobiologia 8(1):75-79
1968 56.8 P343
Locomotion, Nematoda. English and German summaries
- 21211-68
COCCIDIOSIS SUSCEPTIBILITY IN LAYER FLOCK REPLACEMENT PROGRAMS.
W M Reid H E Womack J Johnson
Poultry Sci 47(3):892-899 REF
May 1968 47.8 AM33P
Chickens, Coccidiosis, Livestock diseases, Parasitism.
- 21212-68
NONLIVING NEMATODE VACCINES. PATENT 3,395,218.
P H Silverman
Us Patent Office Offic Gaz 852(5):1247
30 Jul 1968 156.65 OF2
Animal diseases, Antibiotics, Larvae, Lyophilization, Nematocides, Nematodes, Vaccines.

21213-68

21213-68

FREQUENCY OF OCCURRENCE OF FREE LIVING NEMATODES IN DANISH NURSERIES, TULIP, NARCISSUS AND VEGETABLE FIELDS, AND THE EFFECT OF SOME SOIL DISINFESTANTS ON THE NEMATODE POPULATION IN THE SOIL OF SOME NURSERY CROPS.

E Sonderhausen R Christensen S Rasmussen

Tidskr Plant 72(2):245-270

1968 11 T439

Antiseptics, Crops, Narcissus, Nematodes, Nurseries, Research, Soils, Tulipa, Vegetables. English summary

21214-68

NEMATODE DAMAGE IN CEREALS. (GE)

B Weischer

Nachrichtenbl Deut Pflanzenschutzdienstes

20(6):83-88 REF

Jun 1968 442.9 B832

Crop losses, Ditylenchus dipsaci, Grain, Heterodera avenae, Nematodes, Plant injuries, Plant physiology, Pratylenchus. English summary

WEEDS

21215-68

PRE-EMERGENCE HERBICIDES FOR WEED CONTROL IN LETTUCE.

H Agamalian A Lange J Lyons E Stilwell H Ford H Kempen O McCoy F Robinson

Calif Agr 21(10):8-9

Oct 1967 100 C12CAG

Chemical control (weeds), Herbicides, Lettuce, Weeds.

21216-68

COMMON NAMES OF HERBICIDES.

Anonymous

PANS (Pest Art News Sum) Sect C Weed Contr

14(2):210-213

Jun 1968 79.9 G792

Chemical control (weeds), Herbicides, Indexing, Nomenclature.

21217-68

A CODE FOR CHARACTERISING HERBICIDES.

F Beran J Neururer

PANS (Pest Art News Sum) Sect C Weed Contr

14(2):118

Jun 1968 79.9 G792

Biochemistry, Chemical control (weeds), Climate, Herbicides, Indexing, Soil series. The code was taken from Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz, vol. 74, no. 5, 1967, pp. 317-331.

21218-68

SICKLEPOD-SUCCESS STORY OF A WEED.

J M Creel C S Hoveland G A Buchanan

Highlights 15(4):3

1968 100 AL1H

Cassia obtusifolia, Crop losses, Culture media, Research, Seed germination, Temperature, Weed control.

21219-68

WEED CONTROL ON FENLAND SOIL.

J Holroyd

Great Brit Min Agr Fish Food Agr 75(7):336-342

Jul 1968 10 G79J

Biological assay, Chemical control (weeds), Herbicides, Physiology, Research, Soils, Weed control.

21220-68

IOXNYL: ITS EFFECT ON WHEAT YIELD AND WEED POPULATIONS.

J W Joost

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

Mar 1968 24 SU3

Biochemistry, Chemical control (weeds), Crop yields, Herbicides, Ioxynil, Mecoprop, Methyl-4-chlorophenoxyacetic acid, 2-, Population, Spraying, Weed control, Wheat, 2,4-d. French and German summary.

21221-68

WEED CONTROL IN CARROTS, CELERY, AND PARSLEY.

H Kempen M Agamalian A Lange R Brendler

Calif Agr 22(4):2-3

Apr 1968 100 C12CAG

Carrots, Celery, Crop yields, Herbicides, Parsley, Research, Surveys, Weed control.

21222-68

WEED CONTROL IN CUCURBITS.

A Lange D May B Fischer V Schwccers

Calif Agr 22(3):8-9

Mar 1968 100 C12CAG

Chemical control (weeds), Cucumbers, Cucurbits, Herbicides, Research, Surveys, Weed control.

21223-68

HERBICIDES FOR CONTROL OF ANNUAL WEEDS IN CALIFORNIA APPLES AND PEARS.

A H Lange C L Elmore G W Morehead E K

Stilwell S M McRitchie 6 D W Chaney J J Smith

L C Hendricks K O Roberts

Calif Agr 21(3):10-12

Mar 1967 100 C12CAG

Annual plants, Apples, Herbicides, Weed control, Weeds.

21224-68

WEEDS IN CALIFORNIA FRUIT CROPS... A SUMMARY OF PROBLEMS AND HERBICIDE POSSIBILITIES.

A H Lange

Calif Agr 22(2):8-10

Feb 1968 100 C12CAG

Crops, Fruit, Herbicides, Research, Surveys, Weed control, Weeds.

21225-68

THE GARDEN OF EDEN CONCEPT: AGRICULTURE IN A WEED-FREE ENVIRONMENT.

E C S Little

PANS (Pest Art News Sum) Sect C Weed Contr

14(2):107-109

Jun 1968 79.9 G792

Agricultural outlook, Environment, Greenhouse culture, Reproduction, Seedlings, Tillage, Weed control, Weeds.

21226-68

TOLOGY - THE SCIENCE OF WEED RESEARCH AND CONTROL. II.

E C S Little

PANS (Pest Art News Sum) Sect C Weed Contr

14(2):116-117

Jun 1968 79.9 G792

Legislation, Nomenclature, Research, Weed control, Weeds.

21227-68

OKRA PRODUCTION.

J A Martin W P Cook

Clemson Univ Ext Serv Circ 510:8P.

Aug 1968 275.29 S080E

Chemicals, Crop yields, Fertilizers, Harvesting, Insect control, Irrigation, Okra, Planting, Research, Soils, Tillage, Weed control.

21228-68

CRITICAL PERIODS OF THE CROP GROWTH CYCLE FOR COMPETITION FROM WEEDS.

J H Nicto M A Brondo J T Gonzalez

PANS (Pest Art News Sum) Sect C Weed Contr

14(2):159-166

Jun 1968 79.9 G792

Biochemistry, Chemical control (weeds), Competition, Crop losses, Crops, Herbicides, Plant physiology, Research, Weeds.

21229-68

SOME ULTRASTRUCTURAL FEATURES OF THE INTESTINAL EPITHELIUM OF ASCARIS LUMBRICOIDES VAR. SUUM. (IT)

L Pennisi

Riv Parassitol 28(4):283-289 REF

Dec 1967 436.8 R52

Anatomy, Ascaris lumbricoides suum, Cells, Electron microscopy, Epithelium, Intestines, Nematodes, Physiology. English summary

21230-68

EFFECTS OF COVERING MATERIALS AND INCORPORATED HERBICIDES ON LETTUCE STANDS UNDER THREE IRRIGATION TREATMENTS.

D Ririe H Agamalian L J Booher C Brooks

Calif Agr 22(2):13-15

Feb 1968 100 C12CAG

Chemicals, Crop yields, Herbicides, Irrigation, Lettuce, Research, Weed control.

21231-68

METHOD OF CONTROLLING THE GROWTH OF UNDESIRABLE VEGETATION. PATENT 3,413,109.

D J Vartiak

Us Patent Office Offic Gaz 856(4):1189

26 Nov 1968 156.65 OF2

Biochemistry, Chemical control (weeds), Herbicides, Methodology, Oils, Patents, Plant physiology, Spraying, Vegetation.

OTHER PESTS

21232-68

BILIARY EXCRETION OF AFLATOXIN IN THE RAT AFTER A SINGLE DOSE.

O Bassir F Osiyemi

Nature 215(5103):882

19 Aug 1967 472 N21

Aflatoxin, Aspergillus flavus, Biliary tract, Extracts, Glucuronides, Radioactivity, Rats, Research, Sampling (statistics), Urine.

21233-68

ARMYWORMS, WHEN TO SPRAY - AND WHEN NOT TO.

J Falter

Crops Soils 20(8):14

Jun 1968 6 W55

Pesticide application, Plant injuries, Plant protection, Pseudaletia unipuncta, Spraying, Time.

21234-68

HERITABLE RESISTANCE TO WARFARIN IN RATS.

J H Greaves P Ayres

Nature 215(5103):877-878

19 Aug 1967 472 N21

Blood analysis, Injections, Laboratories, Mortality, Pest control, Rattus norvegicus, Tables (data), Warfarin.

21235-68

SEPARATION OF RODENT PELLETS FROM CORN KERNELS BY WASHING.

R W Sucher H B Pfost

Amer Soc Agr Eng Trans Asae 10(2):233-235

1967 290.9 AM32T

Corn, Equipment, Food processing, Laboratories, Research, Rodents, Storage.

LIVESTOCK PROTECTION

21236-68

EFFECTS OF HIGH GOSSYPOL COTTONSEED MEAL ON THE ELECTROCARDIOGRAM OF SWINE.

J E Albrecht A J Clawson L C Ulberg F H Smith

J Anim Sci 27(4):976-980 REF

Jul 1968 49 J82

Cottonseed meal, Electrocardiograms, Gossypol, Heart rate, Liver, Research, Swine, Tissues, Toxicology.

21237-68

STRONTIUM RETENTION AS A FUNCTION OF AGE IN DOG.

J J B Anderson C L Comar

- Radiat Res* 34(1):153-169 REF
Apr 1968 334.8 R11
Aging, Animal physiology, Autoradiography, Biochemistry, Bones, Dogs, Research, Strontium.
- 21238-68**
EFFECT OF FURAZOLIDONE TO SWINE AT BREEDING. (ABSTRACT).
M D Anderson
J Anim Sci 27(4):1131
Jul 1968 49 J82
Animal physiology, Biochemistry, Breeding, Feeding, Furazolidone, Reproduction, Research, Swine. Abstract for presentation at 60th annual meeting of the A.S.A.S.
- 21239-68**
RUMEN TISSUE UPTAKE OF ZINC-65. (ABSTRACT).
S P Arora E E Hatfield U S Garrigus T G Lohman B B Doanc
J Anim Sci 27(4):1160
Jul 1968 49 J82
Adsorption, Biochemistry, Diet, Lambs, Research, Rumen, Tissues, Zinc isotopes. Abstract presented at 60th annual meeting of A.S.A.S.
- 21240-68**
DEVELOPMENT OF GOATS IRRADIATED FROM CONCEPTION. (ABSTRACT).
J W Austin E W Hupp G M Krise
J Anim Sci 27(4):1187-1188
Jul 1968 49 J82
Animal physiology, Breeding, Dosage, Goats, Irradiation, Reproduction. Abstract presented at 60th annual meeting of A.S.A.S.
- 21241-68**
A COMPARISON OF THE ABILITY OF THE JAPANESE QUAIL AND LIGHT BREED CHICKEN TO METABOLIZE AND UTILIZE ENERGY.
J J Begin
Poultry Sci 47(4):1278-1281
Jul 1968 47.8 AM33P
Animal physiology, Breeding, Chickens, Diet, Energy, Metabolism, Quail, Research.
- 21242-68**
ENTEROHEPATIC CIRCULATION OF 3H-VITAMIN A METABOLITES IN SHEEP. (ABSTRACT).
J A Boling G E Mitchell C O Little C L Fields
J Anim Sci 27(4):1961
Jul 1968 49 J82
Bile ducts, Intestines, Metabolites, Radioactivity, Research, Sheep, Vitamin a. Abstract presented at 60th annual meeting of A.S.A.S.
- 21243-68**
DRUG RESIDUES IN LAMB CARCASSES FED POULTRY LITTER. (ABSTRACT).
H H Brugman H C Dickey B E Plummer J Goater R N Heitman
J Anim Sci 27(4):1132
Jul 1968 49 J82
Animal physiology, Biochemistry, Drug therapy, Feed, Lambs, Poultry. Abstract for presentation at 60th annual meeting of the A.S.A.S.
- 21244-68**
VITAMIN E AND SELENIUM IN EWE REPRODUCTION. (ABSTRACT).
J G Buchanan-Smith B I Osburn J E Smith E C Nelson
J Anim Sci 27(4):1176-1177
Jul 1968 49 J82
Animal histology, Animal physiology, Biochemistry, Diet, Reproduction, Research, Selenium, Sheep, Vitamin e. Abstract presented at 60th annual meeting of A.S.A.S.
- 21245-68**
FATTY ACID CHANGES IN LIVER FRACTIONS OF PIGEONS AFTER LETHAL-DOSE RADIATION AND THERAPY.
R A Chung E S So D H Shaw
Poultry Sci 47(4):1127-1130
Jul 1968 47.8 AM33P
Animal physiology, Fatty acids, Lethal factor, Liver, Pigeons, Radiation, Therapeutics.
- 21246-68**
IN VITRO AGGLUTINATION OF BOVINE ERYTHROCYTES INFECTED WITH BABESIA ARGENTINA.
J A Curnow
Nature 217(5125):267-268
20 Jan 1968 472 N21
Agglutination test, Antigens, Babesia argentina, Blood serum, Calves, Culture media, Erythrocytes, Immunity, Physiology, Plasmodium knowlesi.
- 21247-68**
EFFECT OF PYRIDOXINE DEFICIENCY ON LIPID METABOLISM IN THE CHICK.
N J Daghir J M Porooshani
Poultry Sci 47(4):1094-1098 REF
Jul 1968 47.8 AM33P
Animal nutrition, Animal physiology, Chicks, Lipids, Metabolism, Research, Vitamin b6.
- 21248-68**
INSECTICIDE APPLICATIONS AND THEIR EFFECT ON WILDLIFE.
A Dc Uos
Entomol Soc Ontario Proc 91:35-36
1960 420 ON8
Insecticide residues, Poisoning, Toxicology, Wildlife.
- 21249-68**
CHROMIUM-51 IN FOOD METABOLIZABILITY AND PASSAGE RATE STUDIES WITH THE RING-NECKED PHEASANT.
G E Duke G A Petrides R K Ringer
Poultry Sci 47(4):1356-1364 REF
Jul 1968 47.8 AM33P
Animal nutrition, Chromium isotopes, Dosage, Drug therapy, Food, Metabolism, Pheasants, Research.
- 21250-68**
MASTITIS TESTING...A SIX-YEAR SUMMARY OF FRESNO COUNTY'S DHIA PROGRAM.
R N Eide
Calif Agr 22(6):4
Jun 1968 100 C12CAG
Agricultural outlook, Agricultural policies, Cattle, Management, Mastitis, Research.
- 21251-68**
OBSERVATIONS ON THE DEVELOPMENT OF RUMINAL LESIONS IN CALVES FED ON BARLEY.
B F Fell M Kay F G Whitelaw R Boyne
Res Vet Sci 9(5):458-466
Sep 1968 41.8 R312
Barley, Calves, Diet, Feeding, Inflammation, Microscopy, Research, Rumen.
- 21252-68**
PHYSIOLOGICAL EFFECTS OF FEEDING HIGH LEVELS OF ANTIBIOTICS AND VITAMINS TO TURKEYS.
T M Ferguson E B Smith J R Couch
Poultry Sci 47(3):1032-1033
May 1968 47.8 AM33P
Animal nutrition, Antibiotics, Feed, Physiology, Turkeys, Vitamins.
- 21253-68**
EFFECT OF DIFFERENT NITROGEN SOURCES AND ANTIBIOTICS IN ALL-CONCENTRATE FINISHING RATIIONS. (ABSTRACT).
D Furr K R Hansen J A Carpenter L B Sherrrod
J Anim Sci 27(4):1110
Jul 1968 49 J82
Antibiotics, Biochemistry, Cattle, Cottonseed meal, Nitrogen compounds, Research, Sorghum, Urea. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.
- 21254-68**
DIFFERENT LEVELS OF DIETHYLSTILBESTROL AND CERTAIN MINERALS FOR
- CATTLE FED AN ALL-CONCENTRATE FINISHING RATIO. (ABSTRACT).**
R D Furr K R Hansen J A Carpenter
J Anim Sci 27(4):1111
Jul 1968 49 J82
Animal physiology, Biochemistry, Cattle, Diethylstilbestrol, Feeding, Minerals, Research. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.
- 21255-68**
THE COMPARATIVE HISTOCHEMISTRY OF SOME HYDROLYTIC AND OXIDATIVE ENZYMES IN THE LIVERS OF SEVERAL DOMESTIC AND LABORATORY ANIMALS.
C Gopinath E Thorpe
Res Vet Sci 9(5):435-442 REF
Sep 1968 41.8 R312
Enzymes, Histochemistry, Hydrolysis, Laboratories, Liver, Livestock, Oxides, Research, Tissues.
- 21256-68**
METHIONINE EXCESS AND CHICK GROWTH.
P Griminger H Fisher
Poultry Sci 47(4):1271-1273
Jul 1968 47.8 AM33P
Animal nutrition, Animal physiology, Biochemistry, Chicks, Drug therapy, Methionine, Toxicology.
- 21257-68**
THE APPLICATION OF AN ANTIFERTILITY AGENT IN THE CONTROL OF A WHITE-TAILED DEER POPULATION.
J D Harder
Ohio Coop Wildlife Res Unit Quart Rep 1968 REPORT:11-14
Jul 1968 412.9 OH33
Animal nutrition, Breeding, Deer, Diethylstilbestrol, Feeding, Fertility, Reproduction, Research.
- 21258-68**
FACTORS CONTRIBUTING TO OVINE PHOSPHATIC UROLITHIASIS. (ABSTRACT).
D W Hoar R J Emerick L B Embry
J Anim Sci 27(4):1165
Jul 1968 49 J82
Biochemistry, Diet, Dosage, Phosphorus, Research, Sheep, Urolithiasis. Abstract presented at 60th annual meeting of A.S.A.S.
- 21259-68**
2,2-DICHLOROVINYL DIMETHYL PHOSPHATE AND RUMEN VFA AND GAS PRODUCTION. (ABSTRACT).
A D Howes I A Dyer
J Anim Sci 27(4):1116
Jul 1968 49 J82
Animal physiology, Biochemistry, Culture media, Dichlorvos, Fatty acids, Fermentation, Gases, Rumen. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, moscow, Idaho.
- 21260-68**
UTILIZATION OF UNEXTRACTED SOYBEANS BY BROILER CHICKS. 2. INFLUENCE OF PELLETING AND REGRINDING ON DIETS WITH INFRA RED COOKED AND EXTRUDED SOYBEANS.
S J Hull P W Waldroup E L Stephenson
Poultry Sci 47(4):1115-1120
Jul 1968 47.8 AM33P
Animal nutrition, Chicks, Diet, Feed, Research, Soybeans.
- 21261-68**
EFFECTS OF FOREST SPRAYING WITH DDT ON AQUATIC INSECTS, FOOD OF SALMON AND TROUT, IN NEW BRUNSWICK.
F P Ide
Entomol Soc Ontario Proc 91:39-40
1960 420 ON8
Animal ecology, Aquatic insects, Chemical control (insects), DDT, Forests, Insecticide residues, Spraying, Starvation.

21262-68

21262-68
COMPARISON OF METABOLITES OF
PROGESTERONE-414C IN URINE FROM A
NONPREGNANT DOMESTIC SOW.

P H Jones R E Erb
J Anim Sci 27(4):1049-1053 REF
Jul 1968 49 J82

Animal physiology, Biochemistry, Carbon isotopes,
Metabolites, Progesterone, Radioactivity,
Research, Swine, Urine.

21263-68

GROWTH AND PROTEINASE PRODUCTION
IN PSEUDOMONAS SPP. CULTIVATED UNDER
VARIOUS CONDITIONS OF TEMPERATURE
AND NUTRITION.

H S Juffs A C Hayward H W Doelle
J Dairy Res 35(3):385-393
Oct 1968 44.8 J823

Culture media, Extracellular substances, Physiology,
Proteinases, Pseudomonas aeruginosa,
Research, Temperature.

21264-68

SOME PROPERTIES OF THE EXTRACELLU-
LAR PROTEOLYTIC ENZYMES OF THE
MILK-SPOILING ORGANISM PSEUDOMONAS
AERUGINOSA ATCC 10145.

H S Juffs H W Doelle
J Dairy Res 35(3):395-398
Oct 1968 44.8 J823

Enzymes, Extracellular substances, Heat, Milk
analysis, Pseudomonas aeruginosa, Research.

21265-68

THE EFFECT OF LIGHT AND TEMPERATURE
ON THE TESTICULAR GROWTH OF THE
JAPANESE QUAIL.

M Kato T Konishi
Poultry Sci 47(4):1052-1056 REF
Jul 1968 47.8 AM33P

Animal physiology, Light, Quail, Research, Tem-
perature, Testes.

21266-68

EFFECT OF DIETARY ASCORBIC ACID ON
VITAMIN A DEFICIENCY IN CHICKS.

J Kendler M Perak
Poultry Sci 47(4):1176-1179 REF
Jul 1968 47.8 AM33P

Animal nutrition, Ascorbic acid, Chicks, Deficien-
cy diseases, Diet, Drug therapy, Research, Vitamin
a.

21267-68

PROTEIN POLYMORPHISM IN BIRDS. III.
THE EGG WHITE PROTEINS OF FIVE FAMIL-
IES OF BIRDS, PHASINIADAE, NUMIDIDAE,
MELEAGRIDIDAE, ANATIDAE AND COLUM-
BIDAE. (JA)

M Kimura N Makita
Gifu Univ Fac Agr Res Bull (24):258-270 REF
1967 107.6 G364

Birds, Egg whites, Electrophoresis, Polymorphism,
Proteins. English summary

21268-68

FOOD ADDITIVES PERMITTED IN THE FEED
AND DRINKING WATER OF ANIMALS OR
FOR THE TREATMENT OF FOOD-PRODUC-
ING ANIMALS. DISODIUM EDTA.

J K Kirk
Fed Regist 33(217):16272
06 Nov 1968 L1.451

Animals, Biochemistry,
Ethylenediaminetetraacetic acid, Feed, Food addi-
tives, Micronutrients, Water.

21269-68

FOOD ADDITIVES PERMITTED IN FEED AND
DRINKING WATER OF ANIMALS OR FOR
THE TREATMENT OF FOOD-PRODUCING
ANIMALS. ZOALENE.

J K Kirk
Fed Regist 33(217):16272-16273
06 Nov 1968 L1.451

Arsanilic acid, Chickens, Drug therapy, Feed, Food
additives, Water, Zoalene.

21270-68

NOTICE OF FILING OF PETITIONS FOR
FOOD ADDITIVES AMPROLIUM,
ETHOPABATE, ARSANILIC ACID, 3-NITRO-4-
HYDROXYPHENYLARSONIC ACID.

J K Kirk
Fed Regist 33(220):16478
09 Nov 1968 L1.451

Amprolium, Arsanilic acid, Biochemistry,
Chickens, Coccidiosis, Ethopabate, Feed, Food addi-
tives, Nitro-4-hydroxyphenylarsonic acid, 3-
Preventive medicine.

21271-68

NOTICE OF FILING OF PETITION FOR FOOD
ADDITIVES.

J K Kirk
Fed Regist 33(220):16478
09 Nov 1968 L1.451

Biochemistry, Diethylstilbestrol, Feed, Food addi-
tives, Methyl testosterone, Swine, Tylosin.

21272-68

NOTICE OF WITHDRAWAL OF PETITION
FOR FOOD ADDITIVE OXYTETRACYCLINE.

J K Kirk
Fed Regist 33(223,PT.1 AND 2):16682
15 Nov 1968 L1.451

Baby pigs, Biochemistry, Cattle, Food additives,
Livestock diseases, Oxytetracycline.

21273-68

EFFECT OF ZINC DEFICIENCY ON BONE
MINERALIZATION AND PLASMA PROTEINS
OF TURKEY POULTS.

F H Kratzer
Poultry Sci 47(4):1135-1140 REF
Jul 1968 47.8 AM33P

Animal nutrition, Animal physiology, Bones,
Mineralization (nutrients), Proteins, Turkeys,
Zinc.

21274-68

SAFFLOWER MEAL- UTILIZATION AS A
PROTEIN SOURCE FOR BROILER RATIIONS.

D D Kuzmicky G O Kohler
Poultry Sci 47(4):1266-1270 REF
Jul 1968 47.8 AM33P

Animal nutrition, Animal physiology, Chickens,
Feed, Proteins, Research, Safflower.

21275-68

INJURY ACCUMULATION AND RECOVERY
IN SHEEP DURING PROTRACTED GAMMA
IRRADIATION.

G F Leong N P Page E J Ainsworth G E Hanks
Radiat Res 7:288-293
07 Sep 1965 334.8 R11

Gamma rays, Injuries, Irradiation, Research,
Sheep.

21276-68

EXOGENOUS PROGESTERONE ON OVINE
CORPORA LUTEA. (ABSTRACT).

P E Lewis W C Taylor E K Inskeep
J Anim Sci 27(4):1193
Jul 1968 49 J82

Animal physiology, Corpus luteum, Estrus,
Progesterone, Sheep. Abstract presented at 60th
annual meeting of A.S.A.S.

21277-68

ORGANIC ACIDS AND GRASS TETANY. (FR)

F Lomba G Chauvaux V Bienfet
Ann Med Vet 112(4):261-274 REF
Jun 1968 41.8 AN78

Acids, Animal diseases, Calcium, Citric acid, Grass
tetany, Magnesium, Organic compounds, Oxalic
acid, Rabbits. English and German summary.

21278-68

2,2-DICHLOROVINYL DIMETHYL
PHOSPHATE AND BOVINE BLOOD GLUCOSE.
(ABSTRACT).

F R Morris I A Dyer
J Anim Sci 27(4):1116-1117
Jul 1968 49 J82

Biochemistry, Blood, Cattle, Dichlorvos, Feeding,
Glucose, Research. Abstract presented at meeting
of A.S.A.S., July 7-9, 1968, Moscow, Idaho.

21279-68

THE PHARMACOLOGICAL EFFECT OF
BAYMIX (COUMAPHOS) ON POULTRY.

D L Nelson J O Mozier R G White A D Allen
Poultry Sci 47(3):960-962
May 1968 47.8 AM33P

Biochemistry, Coumaphos, Insecticides, Phar-
macology, Physiology, Poultry.

21280-68

OHIO COOPERATIVE WILDLIFE RESEARCH
UNIT. QUARTERLY REPORT, JULY-SEPT.
1968.

Ohio Coop Wildlife Res Unit Quart Rep 42 P.
Jul 1968 412.9 OH33

Chemicals, Reports, Research, Wildlife conserva-
tion.

21281-68

LOCAL IMMUNITY IN THE MAMMARY
GLAND FOLLOWING THE INFUSION OF A
STAPHYLOCOCCAL CELL-TOXOID VAC-
CINE.

P M Outeridge R C Williams A K Lascelles
Res Vet Sci 9(5):416-423
Sep 1968 41.8 R312

Agglutination, Bacteria, Immunity, Inflammation,
Laboratories, Mammary glands, Research,
Staphylococcus.

21282-68

INFLUENCE OF ALDOSTERONE ON PSE
PORK MUSCLE. (ABSTRACT).

F L Passbach A M Mullins V K Wipf
J Anim Sci 27(4):1145
Jul 1968 49 J82

Aldosterone, Animal physiology, Biochemistry,
Metabolism, Minerals, Muscles, Research, Swine.
Abstract presented at 60th annual meeting of
A.S.A.S.

21283-68

MODIFICATION OF A STRAIN OF MOUSE-
ADAPTED SCRAPIE BY PASSAGE THROUGH
RATS.

I H Pattison K M Jones
Res Vet Sci 9(5):408-410
Sep 1968 41.8 R312

Extracellular substances, Histology, Injections,
Laboratories, Mice, Rats, Research, Scrapie virus.

21284-68

ENZYME SOURCES AND THEIR VALUE IN
BARLEY RATIIONS FOR CHICK GROWTH
AND EGG PRODUCTION.

C F Petersen E A Sauter
Poultry Sci 47(4):1219-1224
Jul 1968 47.8 AM33P

Animal physiology, Barley, Chicks, Diet, Eggs, En-
zymes, Productivity, Research, Tables (data).

21285-68

YOLK AMPROLIUM LEVELS PRODUCED BY
GIVING CHICKENS AMPROLIUM IN FEED OR
WATER.

D Polin W H Ott E R Wynosky C C Porter
Poultry Sci 47(3):795-799
May 1968 47.8 AM33P

Amprolium, Biochemistry, Chickens, Egg yolks,
Feed, Water.

21286-68

FACTORS AFFECTING ZN REQUIREMENT OF
CATTLE. (ABSTRACT).

W D Price W H Smith
J Anim Sci 27(4):1174-1175
Jul 1968 49 J82

Animal physiology, Cattle, Digestion, Feeding, In
vitro, Research, Zinc. Abstract presented at 60th
annual meeting of A.S.A.S.

21287-68

BIOCHEMICAL ABBERRATIONS WITH AM-
MONIA INTOXICATION. (ABSTRACT).

- R L Prior A J Clifford W J Visek
J Anim Sci 27(4):1175
Jul 1968 49 J82
Ammonia, Biochemistry, Injections, Liver, Metabolism, Naphthaleneacetic acid dehydrogenase, Rats, Toxicology. Abstract presented at 60th annual meeting of A.S.A.S.
- 21288-68**
INFLUENCE OF CALCIUM IN LAYING RATIONS ON SHELL QUALITY AND INTERIOR QUALITY OF EGGS.
C V Reddy P E Sanford R E Clegg
Poultry Sci 47(4):1077-1083 REF
Jul 1968 47.8 AM33P
Calcium, Diet, Economics, Eggs, Metabolism, Physiology, Research.
- 21289-68**
RESPONSE OF BEEF COWS TO EXOGENOUS PROGESTERONE AND ESTRADIOL AT VARIOUS STAGES POSTPARTUM.
S Saiduddin M M Quevedo W D Foote
J Anim Sci
Jul 1968 49 J82
Animal physiology, Cattle, Estradiol, Progesterone, Reproduction, Research.
- 21290-68**
LEVELS OF CARBADOX FOR GROWING-FINISHING SWINE. (ABSTRACT).
J E Shively G W Thrasher C E Askelson W E Babcock
J Anim Sci 27(4):1136
Jul 1968 49 J82
Animal physiology, Biochemistry, Carbadox, Drug therapy, Feed, Research, Swine. Abstract presented at 60th annual meeting of A.S.A.S.
- 21291-68**
ANAEROBIC ENTEROTOXEMIA TREATMENT IN SHEEP. (SP)
D Sinpetru
Rev Zootech Med Vet 8(18):69-71
Aug 1968 49 P943
Anaerobic bacteria, Blood, Enterotoxemia, Research, Sheep.
- 21292-68**
INFLUENCE OF DIETARY IRON ON STEER PERFORMANCE. (ABSTRACT).
J F Standish C B Ammerman F C Neal A Z Palmer C F Simpson
J Anim Sci 27(4):1177
Jul 1968 49 J82
Animal physiology, Biochemistry, Breeding, Cattle, Diet, Drug therapy, Iron. Abstract presented at 60th annual meeting of A.S.A.S.
- 21293-68**
EFFECT OF ESTRADIOL-17 BETA ON OVINE LUTEAL FUNCTION. (ABSTRACT).
F Stormshak H E Kelley H K Hawk
J Anim Sci 27(4):1197
Jul 1968 49 J82
Animal physiology, Corpus luteum, Drug therapy, Estradiol, Injections, Research, Sheep. Abstract presented at 60th annual meeting of A.S.A.S.
- 21294-68**
MILK PRODUCTION OF COWS FED DIETS DEFICIENT IN VITAMIN A.
E W Swanson G G Martin F E Pardue G M Gorman
J Anim Sci 27(2):541-548 REF
Mar 1968 49 J82
Cattle, Deficiency diseases, Diet, Feeding, Milk analysis, Research, Vitamin a.
- 21295-68**
HAEMATOMAS OVER THE MAMMARY VEINS IN COWS.
O Swarbrick
Vet Rec 83(12):305-306
21 Sep 1968 41.8 V641
Dairy cattle, Hemorrhage, Hernia, Mammary glands, Research, Veins.
- 21296-68**
A REPORT OF A SUSPECTED ANTHRAX OUTBREAKS AMONG HUMAN BEINGS IN TARLAC PROVINCE.
J V Tacal R S Peneyra
Philippine J Vet Med 5(1/2 JUN-DEC):31-52
1966 41.8 P53
Anthrax, Diagnosis, Epidemiology, Histology, Human diseases, Livestock, Reports, Research.
- 21297-68**
EFFECTS OF CARBADOX ON PERFORMANCE AND CARCASS TRAITS OF SWINE. (ABSTRACT).
G W Thrasher J E Shively C E Askelson W E Babcock
J Anim Sci 27(4):1137
Jul 1968 49 J82
Animal physiology, Biochemistry, Carbadox, Dosage, Research, Swine. Abstract presented at 60th annual meeting of A.S.A.S.
- 21298-68**
OBSERVATIONS ON THE BACTERIAL FLORA OF THE ALIMENTARY TRACT IN THREE AGE GROUPS OF NORMAL CHICKENS.
L Timms
Brit Vet J 124(10):470-477
Oct 1968 41.8 V643
Bacteria, Chickens, Gastrointestinal system, Research, Tables (data). Spanish, french, and German summary
- 21299-68**
THE EFFECTS OF HIGH LEVELS OF DIETARY EDTA, ZINC OR COPPER ON THE MINERAL CONTENTS OF SOME TISSUE OF TURKEY POULTS.
P Vohra G D Gottfredson F H Kratzer
Poultry Sci 47(4):1334-1343 REF
Jul 1968 47.8 AM33P
Animal nutrition, Copper, Diet, Ethylenediaminetetraacetic acid, Minerals, Tissues, Turkeys, Zinc.
- 21300-68**
SALMONELLA AND TOTAL COUNT REDUCTION IN POULTRY TREATED WITH SODIUM HYPOCHLORITE SOLUTIONS.
C J Wabek D V Schwall G M Evancho J G Heck A B Rogers
Poultry Sci 47(4):1090-1094 REF
Jul 1968 47.8 AM33P
Biochemistry, Drug therapy, Microbiology, Poultry, Research, Salmonella bacterins, Sodium hypochlorite.
- 21301-68**
EFFECT OF LACTATION ON REPRODUCTIVE PERFORMANCE IN THE EWES. (ABSTRACT).
J F Wagner E L Veenhuizen
J Anim Sci 27(4):1198
Jul 1968 49 J82
Animal physiology, Lactation, Pregnancy, Progesterone, Reproduction, Research, Sheep. Abstract presented at 60th annual meeting of A.S.A.S.
- 21302-68**
THE EVALUATION OF A LOW-GOSSYPOL GLANDLESS COTTONSEED MEAL IN BROILER DIETS.
P W Waldroup E G Keyser V E Tollett T E Bowen
Poultry Sci 47(4):1179-1186 REF
Jul 1968 47.8 AM33P
Animal nutrition, Chickens, Cottonseed meal, Gossypol, Research, Tables (data).
- 21303-68**
PHOTOPERIODISM AS A FACTOR IN FEEDING RHYTHMS OF BROILER CHICKS.
W D Weaver P B Siegel
Poultry Sci 47(4):1148-1154 REF
Jul 1968 47.8 AM33P
Chicks, Feeding, Photoperiodism, Research.
- 21304-68**
STRONTIUM METABOLISM IN CHICKS.
C W Weber A R Doberenz R W G Wyckoff B L Reid
Poultry Sci 47(4):1318-1323 REF
Jul 1968 47.8 AM33P
Animal physiology, Calcium, Chicks, Diet, Feed, Metabolism, Research, Strontium.
- 21305-68**
THE DEVELOPMENT OF THE CAPACITY FOR SYSTEMIC ANAPHYLACTIC SHOCK IN THE CHICKEN.
H H Weetail
Poultry Sci 47(4):1073-1076 REF
Jul 1968 47.8 AM33P
Anaphylaxis, Animal physiology, Antibodies, Antigens, Chicks, Immunization, Research.
- 21306-68**
UREA TOXICITY STUDIES WITH THE PREGNANT BOVINE. (ABSTRACT).
J D Word D L Williams L C Martin E I Williams R J Panciera T E Nelson K L Byrd A D Tillman
J Anim Sci 27(4):1180
Jul 1968 49 J82
Animal physiology, Cattle, Pregnancy, Research, Toxicology, Urea. Abstract presented at 60th annual meeting of A.S.A.S.
- 21307-68**
OBSERVATIONS ON A POISONING CASE IN SHEEP GRAZED ON NITROGEN TREATED PASTURES. (SP)
P Zottu
Rev Zootech Med Vet 8(18):72-74
Aug 1968 49 P943
Nitrogen, Pastures, Poisoning, Research, Sheep.
- 21308-68**
STUDIES ON THE ZINC REQUIREMENT OF BEEF CATTLE. (ABSTRACT).
T D Zurcher W m Beeson
J Anim Sci 27(4):1181
Jul 1968 49 J82
Animal nutrition, Animal physiology, Cattle, Diet, Research, Zinc. Abstract presented at 60th annual meeting of A.S.A.S.

DISEASES

- 21309-68**
NEUTRALIZING ANTIBODIES TO ADENOVIRUS IN INFECTIOUS HEPATITIS.
J Alwen F Fulton
J Trop Med Hyg 71(10):247-251
Oct 1968 448.8 J827
Adenoviruses, Antibodies, Hepatitis, Human diseases, Infectious diseases, Virus diseases (animals).
- 21310-68**
INFLUENCE OF DUST AND AMMONIA ON THE DEVELOPMENT OF AIR SAC LESIONS IN TURKEYS.
D P Anderson R R Wolfe F L Chermis W E Roper
Amer J Vet Res 29(5):1049-1058
May 1968 41.8 AM3A
Air sacs, Ammonia, Dust (soil), Livestock diseases, Physiology, Turkeys.
- 21311-68**
EXPERIMENTAL REPRODUCTION OF CANINE INTERSTITIAL NEPHRITIS.
L J Anderson
J Comp Pathol 77(4):413-418 REF
Oct 1967 41.8 J82
Animal diseases, Dogs, Laboratories, Nephritis, Reproduction, Research.
- 21312-68**
HOG CHOLERA AND OTHER COMMUNICABLE SWINE DISEASES. NOTICE OF PROPOSED RULE MAKING.
R J Anderson
Fed Regist 33(226):17180-17183
20 Nov 1968 L1.451

21313-68

Breeding, Feeding, Hog cholera, Infectious diseases, Livestock diseases, Swine.

21313-68

COMPARATIVE EFFICACY OF COMMERCIAL FOWL CHOLERA BACTERINS AND AUTOGENOUS BACTERIN IN WHITE LEGHORN HENS ARTIFICIALLY INFECTED WITH PASTEURILLA MULTOCIDA.

B W Bierer T H Eleazer

Poultry Sci 47(4):1162-1165

Jul 1968 47.8 AM33P

Animal diseases, Autogenous bacterins, Bacterins, Chickens, Dosage, Fowl cholera, Injections, Pasteurella multocida, Research.

21314-68

GROSS LESIONS OBSERVED IN TURKEYS INFECTED WITH FOWL CHOLERA VIA THE DRINKING WATER.

B W Bierer

Poultry Sci 47(4):1365

Jul 1968 47.8 AM33P

Animal diseases, Fowl cholera, Pasteurella, Research, Turkeys, Water.

21315-68

INDUCTION OF EXPERIMENTAL TETANY IN CATTLE. (ABSTRACT).

V R Bohman G Harding D L Grunes A L

Lesperance

J Anim Sci 27(4):1161

Jul 1968 49 J82

Aeonitic acid, Animal physiology, Cattle, Feed, Grass tetany, Livestock diseases, Research. Abstract presented at 60th annual meeting of A.S.A.S.

21316-68

DURATION OF IMMUNITY AGAINST NEWCASTLE DISEASE IN BIRDS VACCINATED WITH BPL INACTIVATED VACCINE.

P G Box D A Barr B I Helliwell A Aperghis

Vet Rec 83(13):332-333

28 Sep 1968 41.8 V641

Antibodies, Birds, Blood analysis, Hemagglutination, Immunity, Immunization, Newcastle disease, Newcastle disease vaccines, Research, Virus diseases (animals).

21317-68

UTERINE INFECTION AND CORPUS LUTEUM LIFESPAN IN THE EWE. (ABSTRACT).

T H Brinsfield D K Higginbotham H W Hawk

J Anim Sci 27(4):1188

Jul 1968 49 J82

Animal physiology, Corpus luteum, Escherichia coli, Estrus, Livestock diseases, Sheep, Uterus. Abstract presented at 60th annual meeting of A.S.A.S.

21318-68

SPREAD OF SCRAPIE BY CONTACT TO GOATS AND SHEEP.

J G Brotherston C C Renwick J T Stamp I

Zlotnik I H Pattison

J Camp Pathol 78(1):9-17 REF

Jan 1968 41.8 J82

Goats, Infectious diseases, Livestock diseases, Scrapie, Sheep.

21319-68

THE CAUSES OF GASTRIC ULCERS IN PIGS. (FR)

Bur Nutr Anim Elev (P589):3P

Feb 1968 389.79 B89

Feed, Feeding, Gastric juice, Hydrogen-ion concentration, Livestock diseases, Respiratory diseases, Swine, Ulcers. The complete report is number P582.

21320-68

ELECTRON MICROSCOPIC STUDIES OF QUAIL BRONCHITIS VIRUS.

S K Butta B S Pomeroy

Amer J Vet Res 28(122):296-299

Jan 1967 41.8 AM3A

Chicken embryo lethal orphan virus, Electron microscopy, Quail bronchitis virus, Research, Respiratory diseases.

21321-68

PROPAGATION OF ICH VIRUS IN SWINE-LUNG TISSUE CULTURE. PATENT 3,399,113.

V J Cabasso

Us Patent Office Offic Gaz 853(4):1065

27 Aug 1968 156.65 OF2

Antigens, Culture media, Dogs, Infectious canine hepatitis, Kidneys, Lungs, Patents, Swine, Viral vaccines, Virology.

21322-68

SEROLOGIC DETECTION OF A VIRUS OF TRANSMISSIBLE GASTROENTERITIS OF SWINE AND DETERMINATION OF ITS NUCLEIC ACID TYPE.

E Caletti M Ristic A A V Lehmden-Maslin

Amer J Vet Res 29(8):1603-1612 REF

Aug 1968 41.8 AM3A

Gastroenteritis, Intestines, Nucleic acids, Serological tests, Swine, Virus diseases (animals).

21323-68

THE RESPONSE OF COMMERCIAL EGG PRODUCTION STOCKS TO EXPERIMENTAL INFECTION WITH EIMERIA TENELLA AND ITS RELATION TO FIELD MORTALITY.

J R Challey T K Jeffers W H McGibbon

Poultry Sci 47(4):1197-1204

Jul 1968 47.8 AM33P

Animal diseases, Economics, Eggs, Eimeria tenella, Injections, Mortality, Productivity, Research.

21324-68

PATHOGENOUS STRENGTH OF A STRAIN OF HERPESVIRUS BOVIS IN A NEW-BORN CALF, INFECTED THROUGH THE AIR. (FR)

A Charton A Parodi P Faye C Le Layec

Acad Vet France Bull 41(2):69-76

Feb 1968 41.9 R24

Bacteriology, Cattle, Herpesviruses, Infectious diseases, Septicemia, Virology, Virus diseases (animals).

21325-68

THE CLINICAL FEATURES OF GUTTURAL POUCH MYCOSIS IN THE HORSE.

W R Cook

Vet Rec 83(4):336-345

05 Oct 1968 41.8 V641

Diagnosis, Horses, Laboratories, Livestock diseases, Mycosis, Respiration.

21326-68

EQUINE DISTEMPER EPIDEMIC IN FRANCE (1965-67) VIROLOGICAL STUDY.

P Cottreau J C Proy R Sohier M Henry

Acad Vet France Bull 40(8):427-430

Oct 1967 41.9 R24

Antibodies, Canine distemper, Epidemiology, Hemagglutination, Serological tests, Virology, Virus diseases (animals).

21327-68

EXPERIMENTAL TRICHOPHYTON VERRU-COSUM INFECTIONS IN LABORATORY ANIMALS.

W A Cox J A Moore

J Camp Pathol 78(1):35-41 REF

Jan 1968 41.8 J82

Animal diseases, Fungus diseases (animals), Laboratories, Laboratory animals, Research, Trichophyton verrucosum.

21328-68

CLINICAL PATHOLOGIC FEATURES OF ACUTE AFLATOXICOSIS OF SWINE.

S J Cysewski A C Pier G W Engstrom J L

Richard R W Dougherty

Amer J Vet Res 29(8):1577-1590 REF

Aug 1968 41.8 AM3A

Aflatoxicosis, Laboratories, Liver, Livestock diseases, Properties, Swine.

21329-68

RESEARCH ABOUT A POLYVALENT TREATMENT OF SERIOUS MASTITIS. (FR)

A Darras P Sorel

Soc Vet Prat France Bull Mens 52(3):155-162

Mar 1968 41.9 SO12

Adrenal cortex hormones, Animal diseases, Antibiotics, Assay, Corynebacterium, Drug therapy, Mastitis, Research, Staphylococcus.

21330-68

ISOLATION OF MYCOPLASMA FROM CALF LUNGS.

G Davies

J Comp Pathol 77(4):253-357

Oct 1967 41.8 J82

Cattle, Livestock diseases, Lungs, Mycoplasma, Pneumonia.

21331-68

SOME DISTRIBUTIONAL FEATURES OF THE FOOT AND MOUTH EPIDEMIC.

W K D Davies G B Lewis H A Randall

Nature 219(5150):121-125 MAP

13 Jul 1968 47.2 N21

Epidemiology, Foot-and-mouth disease, Geography, Livestock diseases, Weather.

21332-68

CONTRIBUTION TO THE STUDY OF THE CALCIUM, OF THE NUTRITION AND OF THE CHEMISTRY IN CATTLE INFECTED WITH VIRUS FEVER. (FR)

B Dellac

Lyan Ecalle Nat Vet These 31:45P.

25 May 1967 41.2 L99

Biological assay, Calcium, Cattle, Fever, Nutrition, Research, Serological tests, Virus diseases (animals).

21333-68

SALINE INJECTIONS IN THE TREATMENT OF SEVERE CASES OF SCOUR IN YOUNG SUCKLED CALVES.

J Dickson

Vet Rec 83(17):428-433

26 Oct 1968 41.8 V641

Cattle, Injections, Livestock diseases, Saline water, Scours, Therapeutics.

21334-68

STUDIES ON THE ACTIVITY OF MOTION OF MINKS. (GE)

H Eichel

Arch Exp Veterinarmed 21(4):1113-1115

Sep 1967 41.8 EX7

Animal cages, Behaviorism, Environment, Minks, Research. English and Russian summaries

21335-68

EFFECT OF LIVING REV. I. VACCINE IN PRODUCING LONG-TERM IMMUNITY AGAINST BRUCELLA MELITENSIS INFECTION IN SHEEP IN IRAN.

F Entessar A Ardalan A Ehadi L M Jones

J Camp Pathol 77(4):367-376

Oct 1967 41.8 J82

Bacteria, Brucella melitensis, Immunity, Livestock diseases, Sheep, Vaccines.

21336-68

EFFECT OF CHRONIC RESERPINE ON METABOLISM AND CHEMICAL CONSTITUENTS OF TURKEY TESTIS.

L L Ewing R D Montgomery D M Baldwin R F

Clegg J F Tierce M A Maloney J C Gilbreath

Nature 214(5094):1267-1268 REF

17 Jun 1967 47.2 N21

Chemicals, Chronic respiratory disease, Culture media, Metabolism, Morphology, Physiology, Reserpine, Turkeys.

21337-68

FUNCTIONAL AND STRUCTURAL EFFECTS OF MAGNESIUM DEFICIENCY AND CORTISONE TREATMENT IN MICE.

D R Farnell

Amer J Vet Res 29(8):1695-1706 REF

Aug 1968 41.8 AM3A

Anatomy, Cortisone, Deficiency diseases, Diet, Magnesium, Mice, Tissues.

- 21338-68**
CLINICAL AND SEROLOGICAL RESPONSES OF THE CALF INOCULATED IN VARIOUS WAYS (GENITAL, OCULAR, PULMONARY) WITH A STRAIN OF HERPESVIRUS ISOLATED FROM A PNEUMONIA LESION OF A CALF. (FR)
 P Faye A Charton C Le. Layee
Acad Vet France Bull 41(2):77-81
 Feb 1968 41.9 R24
 Aging, Animal physiology, Cattle, Herpesviruses, Immunity, Injections, Livestock diseases, Pneumonia, Research, Serological tests.
- 21339-68**
ANTISERUM FOR TOMATO SPOTTED WILT VIRUS.
 J M Feldman J A Boninsegna
Nature 219(5150):183-184
 13 Jul 1968 472 N21
 Antigens, Antiserum, Aztec tobacco, Nicotiana glutinosa, Proteins, Research, Sap, Spotted wilt (tomatoes), Tobacco, Tomatoes, Viruses.
- 21340-68**
THE PASSAGE OF STAPHYLOCOCCI THROUGH THE BOVINE TEST CANAL.
 D Forbes
J Dairy Res 35(3):399-406
 Oct 1968 44.8 J82
 Bacteria, Cattle, Culture media, Injections, Milk analysis, Staphylococcus aureus.
- 21341-68**
ACTIVITY OF SORBITOL DEHYDROGENASE (S.D.) IN THE SERUM OF SHEEP AND CATTLE WITH LIVER DAMAGE.
 E J H Ford
J Comp Pathol 77(4):405-411 REF
 Oct 1967 41.8 J82
 Blood, Cattle, Dehydrogenases, Glucitol, Kidneys, Liver, Physiology, Sheep.
- 21342-68**
MINERAL AND CHLORTETRACYCLINE SUPPLEMENTATION TO ALL-CONCENTRATE NPN SUPPLEMENTED FEEDLOT RATIONS. (ABSTRACT).
 R D Furr K R Hansen J A Carpenter L B Sherrod
J Anim Sci 27(4):1111
 Jul 1968 49 J82
 Antibiotics, Cattle, Chlortetracycline, Food additives, Minerals, Research, Abstract presented at meeting of A.S.A.S., July 7-9, 1968, Moscow, Idaho.
- 21343-68**
ACUTE AND CHRONIC ERYSIPELOTHRIX RHUSIOPATHIAE INFECTION IN WHITE MICE.
 H D Geissinger
J Comp Pathol 78(1):79-88 REF
 Jan 1968 41.8 J82
 Animal diseases, Blood, Erysipelothrix insidiosus, Mice.
- 21344-68**
THE EVALUATION OF A TEAT-DIPPING FORMULATION OF CHLORHEXIDINE.
 E L Gerring R Hall A J Sandoe
Vet Rec 83(5):112-115
 03 Aug 1968 41.8 V641
 Chlorhexidine, Dairy cattle, Dipping, Livestock diseases, Mastitis, Milk, Teats.
- 21345-68**
THE EFFECT OF DIFFERENT LEVELS OF VITAMIN A ON THE ANTERIOR PITUITARY OF YOUNG BULLS.
 S Ghannam M Favez O S Khadr H Al-Ailily
Res Vet Sci 9(5):481-485 REF
 Sep 1968 41.8 R312
 Animal histology, Bulls, Cells, Deficiency diseases, Pituitary gland, Research, Vitamin a.
- 21346-68**
DETECTION OF ANTIBODIES TO MYCOBACTERIUM JOHNEI BY IMMUNOFLOUORESCENCE.
 N J L Gilmour A C Gardiner
J Comp Pathol 78(1):107-113
 Jan 1968 41.8 J82
 Animal diseases, Antibodies, Fluorescence, Immunology, Johne's disease, Mycobacterium johnei.
- 21347-68**
TRANSFER OF ROUS VIRUS GENOME FROM RAT TUMOUR CELLS TO CHICK CELLS AT HIGH TEMPERATURE.
 M Grofova D Simkovic
Neoplasma 15(3):225-230
 1968 41.8 N353
 Cells, Chick embryos, Culture media, Neoplasms, Rats, Research, Rous associated viruses, Temperature, X-rays. Russian and German summary
- 21348-68**
THREE CLINICAL CASES OF EOSINOPHILIC ENTERITIS.
 C L Hall
Southwest Vet 21(1,FALL):41-42
 1967 41.8 SO82
 Animal diseases, Diagnosis, Enteritis, Eosinophils, Histology, Research.
- 21349-68**
IMMUNOFLOUORESCENCE AS A DIAGNOSTIC PROCEDURE IN LUNGWORM DISEASE OF THE CAT.
 J M Hamilton R J Roberts
Vet Rec 83(16):401-403
 19 Oct 1968 41.8 V641
 Cats, Diagnosis, Fluorescent antibody technique, Immunity, Lungs, Verminous bronchitis.
- 21350-68**
ON IMMUNOPRECIPITATION IN SWINE PLAGUE. III PRECIPITATION ELECTROPHORESIS AS AN ACCELERATED METHOD FOR THE DISTINGUISHING OF SERA OF HEALTHY PIGS AND PIGS AFFECTED WITH SWINE PLAGUE. (GE)
 H Hantschel
Arch Exp Veterinarmed 21(5):1131-1145 REF
 Nov 1967 41.8 EX7
 Electrophoresis, Immunization, Livestock diseases, Serological tests, Swine, Swine plague. English summary
- 21351-68**
ACTION OF DISINFECTANTS ON EXPERIMENTAL MOUSE SCRAPIE.
 E G Hartley
Nature 213(5081):1135
 18 Mar 1967 472 N21
 Animal diseases, Animal histology, Antiseptics, Formaldehyde, Heat, Injections, Laboratory animals, Mice, Nervous system, Scrapie.
- 21352-68**
COMPLEMENT-FIXATION MICRO-PROCEDURES FOR ANAPLASMOSIS.
 R J Hidalgo G T Dimopoulos
Amer J Vet Res 28(122):245-251
 Jan 1967 41.8 AM3A
 Anaplasmosis, Antigens, Blood serum, Complement fixation, Serological tests, Volumetric analysis.
- 21353-68**
NEWCASTLE DISEASE IN A FLOCK OF JAPANESE QUAILS.
 D A Higgins
Vet Rec 83(17):437-440
 26 Oct 1968 41.8 V641
 Animal diseases, Newcastle disease, Quail.
- 21354-68**
HYPOMAGNESEMIC TETANY AND MAGNESIUM HOMEOSTASIS IN THE ADULT BOVINE.
 C A Hjerpe
Southwest Vet 21(1,FALL):33-39 REF
 1967 41.8 SO82
 Cattle, Chemicals, Epidemiology, Hypomagnesemia, Magnesium, Research, Tetany.
- 21355-68**
SKIN TUMORS IN THE DOG. (DU)
 J Hoorens H Thoonen
Vlaam Diergeneesk Tijdschr 37(5):231-244 REF
 May 1968 41.8 V84
 Animal diseases, Carcinoma, Dogs, Mammary glands, Neoplasms, Reproductive organs, Skin diseases. English, French summary.
- 21356-68**
EXPERIMENTAL BOVINE INFECTIOUS KERATOCONJUNCTIVITIS CAUSED BY SUN-LAMP IRRADIATION AND MORAXELLA BOVIS INFECTION: DETERMINATION OF OPTIMAL IRRADIATION.
 D E Hughes G W Jr. Pugh T J McDonald
Amer J Vet Res 29(4):821-827
 Apr 1968 41.8 AM3A
 Bacteria, Cattle, Infectious diseases, Irradiation, Keratoconjunctivitis, Lighting, Livestock diseases, Moraxella bovis, Research.
- 21357-68**
EXPERIMENTAL BOVINE INFECTIOUS KERATOCONJUNCTIVITIS CAUSED BY SUN-LAMP IRRADIATION AND MORAXELLA BOVIS INFECTION: RESISTANCE TO RE-EXPOSURE WITH HOMOLOGOUS AND HETEROLOGOUS MORAXELLA BOVIS.
 D E Hughes G W Jr. Pugh T J McDonald
Amer J Vet Res 29(4):829-833
 Apr 1968 41.8 AM3A
 Bacteria, Cattle, Immunity, Infectious diseases, Irradiation, Keratoconjunctivitis, Lighting, Livestock diseases, Moraxella bovis, Research.
- 21358-68**
THE IMPORTATION OF DISEASE TO BRITAIN BY WILD ANIMALS.
 A D Irvin
Vet Rec 83(16):396-401 REF
 19 Oct 1968 41.8 V641
 Animal diseases, Foreign trade, Human diseases, Wildlife.
- 21359-68**
SCABIES IN SHEEP. INTERSTATE MOVEMENT.
 G W Irving
Fed Regist 33(239):18276
 10 Dec 1968 L1.451
 Infectious diseases, Livestock diseases, Scabies, Sheep.
- 21360-68**
THE RESULTS OF APPLYING THE CHINESE STRAIN OF THE LAPINIZED SWINE FEVER VIRUS WITHOUT THE SPECIFIC SERUM FOR VACCINATION OF PIGS IN INDUSTRIAL FATTENING HOUSES. (PO)
 H Janowski J Walezak
Med Wet 24(7):388-392 REF
 Jul 1968 41.8 M463
 Animal diseases, Hog cholera virus, Immunity, Immunization, Research, Serum, Swine, Virus diseases (animals). English summary and Russian.
- 21361-68**
RELATIONSHIP BETWEEN SEVERITY OF ANEMIA AND PLASMA ERYTHROPOIETIN TITER IN ANAPLASMA-INFECTED CALVES AND SHEEP.
 P R Jatkar J P Kreier
Amer J Vet Res 28(122):107-113 REF
 Jan 1967 41.8 AM3A
 Anaplasma, Anemia, Blood proteins, Calves, Livestock diseases, Sheep, Volumetric analysis.
- 21362-68**
THE DISTRIBUTION OF NERVES; MONOAMINE OXIDASE AND CHOLINESTERASE IN THE SKIN OF POULTRY.
 D Jenkinson P S Blackburn
Res Vet Sci 9(5):429

21363-68

Sep 1968 41.8 R312

Cholinesterases, Histology, Monoamine oxidase, Nerves, Poultry, Research, Skin diseases.

21363-68

IMMUNIZATION OF CATTLE AGAINST RABIES WITH THE KELEV STRAIN VACCINE.

E Kalmar A Tadmor

Res Vet Sci 9(5):424

Sep 1968 41.8 R312

Blood analysis, Cattle, Immunization, Rabies, Research, Serological tests, Serum.

21364-68

SOME BIOCHEMICAL ASPECTS OF MOUSE SCRAPIE.

R H Kimberlin O C Millson

J Comp Pathol 77(4):359-366 REF

Oct 1967 41.8 J82

Animal diseases, Biochemistry, Mice, Nervous system, Scrapie, Sheep.

21365-68

FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. BUQUINOLATE.

J K Kirk

Fed Regist 33(218):16334

07 Nov 1968 L1.451

Animal diseases, Animals, Biochemistry, Buquinolate, Chemical control (insects), Coccidiosis, Eimeria brunetti, Feed, Food additives, Water.

21366-68

COMPARATIVE FLUORESCENCE-IMMUNOLOGICAL AND CYTOPATHOLOGICAL STUDIES WITH VARIOUS VIRUS STRAINS OF THE MUCOSAL DISEASE OF CATTLE. (GE)

R Kokles D Urbaneck H Liebermann

Arch Exp Veterinarmed 21(5):1295-1304 REF

Nov 1967 41.8 EX7

Cattle, Fluorescence, Immunity, Mucosal disease, Research, Virus diseases (animals). English and Russian summaries

21367-68

PREVENTION AND TREATMENT OF SWINE DYSENTERY. (ABSTRACT).

E T Kornegay J W Davis H R Thomas

J Anim Sci 27(4):1134

Jul 1968 49 J82

Animal diseases, Biochemistry, Carbadox, Drug therapy, Feed, Research, Swine dysentery. Abstract presented at 60th annual meeting of the A.S.A.S.

21368-68

THE HYDRAZIDE OF ISONICOTINIC ACID IN PREVENTING AND TREATMENT OF TUBERCULOSIS IN MINKS. (PO)

T Kubinski

Med Wet 24(7):402-403

Jul 1968 41.8 M463

Animal diseases, Drug therapy, Hydrazides, Isoniazid, Minks, Tables (data), Tuberculosis.

21369-68

PATHOGENESIS AND PATHOLOGY OF INFECTION IN CALVES WITH STRAINS OF REOVIRUS TYPES I AND 2.

P H Lamont J H Darbyshire P S Dawson A R Omar A R Jennings

J Comp Pathol 78(1):23-33 REF

Jan 1968 41.8 J82

Cattle, Livestock diseases, Reoviruses, Virus diseases (animals).

21370-68

A BACTERIOLOGIC STUDY OF PATHOGENIC STAPHYLOCOCCUS STRAINS TAKEN ON DOG. (FR)

R Lautie M F Geral

Rev Med Vet (toulouse) 31(6):545-563 REF

Jun 1968 41.8 R32

Animal diseases, Bacteriology, Dermatitis, Dogs, Research, Serological tests, Staphylococcus. English summary.

21371-68

DUCK PLAGUE IN AMERICAN ANSERIFORMES.

L Leibovitz J Hwang

Wildlife Dis Ass Bull 4(1):13-14

Jan 1968 41.9 W64B

Ducks, Epidemiology, Mortality, Research, Virus diseases (animals).

21372-68

PSEUDOCOWPOX IN GERMANY. (GE)

H Liebermann P Schulze Ht Liebermann

Arch Exp Veterinarmed 21(6):1419-1433 REF

Dec 1967 41.8 EX7

Cytology, Electron microscopy, Morphology, Nucleic acids, Pseudocowpox, Rabbits, Stomatitis, Virus diseases (animals). Summary in English and Russian

21373-68

DIFFERENTIAL DIAGNOSIS OF BOVINE STOMATITIS OF VIRAL ORIGIN. (GE)

H Liebermann

Arch Exp Veterinarmed 21(6):1399-1418 REF

Dec 1967 41.8 EX7

Cattle, Cells, Culture media, Cytology, Diagnosis, Morphology, Stomatitis, Virus diseases (animals). Summary in English and Russian

21374-68

COMPARATIVE IMMUNOHISTOLOGICAL STUDIES. (GE)

H Liebermann

Arch Exp Veterinarmed 21(6):1379-1389 REF

Dec 1967 41.8 EX7

Cattle, Cells, Culture media, Fluorescence, Histology, Immunology, Lumpy skin disease, Pseudocowpox, Research, Serological tests, Vaccinia virus, Virus diseases (animals). Summary in English and Russian

21375-68

A STUDY OF THE STOMATITIS PAPULOSA VIRUS USING CELL CULTURES. (GE)

H Liebermann

Arch Exp Veterinarmed 21(6):1353-1377 REF

Dec 1967 41.8 EX7

Cattle, Cells, Culture media, Cytology, Inclusion bodies, Stomatitis, Temperature, Vaccinia virus, Virus diseases (animals). Summary in English and Russian

21376-68

THE INFECTION SPECTRUM OF THE STOMATITIS PAPULOSA VIRUS. (GE)

H Liebermann

Arch Exp Veterinarmed 21(6):1337-1351 REF

Dec 1967 41.8 EX7

Antibodies, Cattle, Cells, Culture media, Diagnosis, Inclusion bodies, Injections, Laboratory animals, Research, Stomatitis, Virus diseases (animals). Summary in English and Russian

21377-68

PROPAGATION AND TRANSMISSION OF HOG CHOLERA VIRUS IN NONPORCINE HOSTS.

R W Loan M M Storm

Amer J Vet Res 29(4):807-811 REF

Apr 1968 41.8 AM3A

Antibodies, Birds, Hog cholera virus, Infectious diseases, Laboratory animals, Rodents, Swine, Virus diseases (animals).

21378-68

REMARKS CONCERNING THE INFECTION OF FRANCE BY LYMPHOID CATTLE LEUKOCYTOSIS.

C Lombard

Acad Vet France Bull 40(8):411-418

Oct 1967 41.9 R24

Cattle, Epidemiology, Leukocytosis, Research, Tables (data).

21379-68

HEMATOLOGICAL DETECTION OF LYMPHOID LEUKOCYTOSIS OF CATTLE IN GERS.

C Lombard F Dupin

Acad Vet France Bull 40(8):407-410

41.9 R24

Animal diseases, Cattle, Geography, Hematology, Leukocytosis, Slaughterhouses.

21380-68

THE STICKER SARCOMA. (FR)

C Lombard P Cabanie

Rev Med Vet (toulouse) 31(6):565-586 REF

Jun 1968 41.8 R32

Animal diseases, Dogs, Drug therapy, Electron microscopy, Histochemistry, Immunity, Research, Sarcoma. English summary

21381-68

DRYING-OFF THERAPY FOR BOVINE MASTITIS: A COMPARATIVE FIELD TRIAL.

R M Loosmore D Howell A D Adams D N Barnett T F F Barr

Vet Rec 83(4):358-

05 Oct 1968 41.8 V641

Dairy cattle, Drying, Livestock diseases, Mammary glands, Mastitis, Research, Therapeutics.

21382-68

EFFECTS OF TEMPERATURE AND TIME ON THE INFECTIVITY OF ANAPLASMA MARGINALE AFTER TREATMENT WITH PROTECTIVE ADDITIVES.

J N Love B L Valentine J W Scales

Amer J Vet Res 28(122):51-54 REF

Jan 1967 41.8 AM3A

Anaplasma marginale, Culture media, Erythrocytes, Glycerol, Infectious diseases, Temperature, Time.

21383-68

CLINICAL AND SEROLOGIC RESPONSES IN VACCINATED SHEEP GIVEN CHALLENGE INOCULATION WITH ISOLATES OF BLUETONGUE VIRUS.

A J Luedke M M Jochim

Amer J Vet Res 29(4):841-851 REF

Apr 1968 41.8 AM3A

Bluetongue virus, Injections, Serological tests, Sheep, Vaccines, Virus diseases (animals).

21384-68

GLYCOSIDASE HISTOCHEMISTRY IN NORMAL AND SCRAPIE MICE, RATS, SHEEP AND GOATS.

A Mackenzie G C Millson A M Wilson

J Comp Pathol 78(1):43-52 REF

Jan 1968 41.8 J82

Animal diseases, Glycosidases, Goats, Histochemistry, Mice, Rats, Scrapie, Sheep.

21385-68

THE HAEMATOLOGICAL EXAMINATIONS AND THEIR ROLE IN THE DIAGNOSIS OF CATTLE LEUCOSIS. (SP)

N Manolescu Z Sirbu Gh Turculeu

Rev Zootech Med Vet 8(18):41-48

Aug 1968 49 P943

Animal diseases, Blood analysis, Cattle, Diagnosis, Research. French and Russian summary

21386-68

FRACTIONATED DIROFILARIA IMMITIS ANTIGENS FOR THE DIFFERENTIAL DIAGNOSIS OF CANINE FILARIASIS.

A Mantovani I G Kagen

Amer J Vet Res 28(122):213-217 REF

Jan 1967 41.8 AM3A

Antigens, Dipetalonema, Dirofilaria immitis, Dogs, Filariasis, Parasitism.

21387-68

THE FATE OF ASCARIS LUMBRICOIDES LINNAEUS, 1758 IN CHICKS (GALLUS GALLUS DOMESTICUS).

M F Manuel R D Turk

Philippine J Vet Med 5(1/2 JUN-DEC):53-69 REF

1966 41.8 P53

Ascaris lumbricoides, Chicks, Gastrointestinal system, Infectious diseases, Larvae, Research.

21388-68

A STUDY ON THE HELMINTH FAUNA OF PHILIPPINE GOATS.

- M F Manuel C L Madriaga
Philippine J Vet Med 5(1/2 JUN-DEC):79-85
1966 41.8 P53
Goats, Helminthiasis, Insect identification, Insect names, Parasitic insects, Research.
- 21389-68**
CONTRIBUTION TO THE STUDY OF VIREMIA IN SHEEP INNOCULATED WITH THE VIRUS OF FOOT-AND-MOUTH DISEASE.
B Mastan C Dubouclard
Acad Vet France Bull 40(8):419-426
Oct 1967 41.9 R24
Blood analysis, Foot-and-mouth disease virus, Injections, Research, Sheep, Viremia, Virus diseases (animals).
- 21390-68**
EFFECTS OF INCREASED FLOW OF PULMONARY BLOOD ON PULMONARY VASCULAR RESISTANCE AND STRUCTURE IN CALVES.
J D McCrady H S Rosenberg G L Hallman D G McNamara
Amer J Vet Res 29(8):1539-1547 REF
Aug 1968 41.8 AM3A
Blood, Cattle, Circulatory system, Physiology.
- 21391-68**
INCIDENCE OF INTRAMAMMARY INFECTIONS DURING LACTATION IN DAIRY CATTLE REPEATEDLY EXPOSED TO STREPTOCOCCUS AGALACTIAE AND AEROBACTER AEROGENES.
J S McDonald R A Packer
Amer J Vet Res 29(8):1525-1532 REF
Aug 1968 41.8 AM3A
Aerobacter aerogenes, Dairy cattle, Livestock diseases, Mammary glands, Streptococcus agalactiae.
- 21392-68**
CIRCLING DISEASE IN SHEEP: A CASE STUDY REVEALS NEW KNOWLEDGE ON LISTERIOSIS.
J W McDonald
J Agr 66(PT 2):299-301
Aug 1968 23 V660J
Animal diseases, Environment, Histology, Infectious diseases, Listeriosis, Research, Sheep.
- 21393-68**
COMPARISON OF EXAMINATION AND TEST METHODS FOR EARLY DETECTION OF PARATUBERCULOSIS CATTLE.
R S Merkal A B Larsen K E Kopecky R D Ness
Amer J Vet Res 29(8):1533-1538 REF
Aug 1968 41.8 AM3A
Cattle, Diagnosis, Johne's disease, Livestock diseases, Mycobacterium paratuberculosis.
- 21394-68**
EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATION: HISTOCHEMICAL LOCALIZATION OF DEHYDROGENASE ACTIVITIES.
R S Merkal W S Monlux J P Kluge A B Larsen K E Kopecky L Y Quinn R P Lehmann
Amer J Vet Res 29(5):971-984 REF
May 1968 41.8 AM3A
Dehydrogenases, Histochemistry, Injections, Johne's disease, Mouth, Research, Sheep, Trachea, Veins.
- 21395-68**
EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATION: HISTOCHEMICAL LOCALIZATION OF HYDROLASE ACTIVITIES.
R S Merkal J P Kluge W S Monlux A B Larsen K E Kopecky L Y Quinn R P Lehmann
Amer J Vet Res 29(5):985-994 REF
May 1968 41.8 AM3A
Histochemistry, Hydrolases, Injections, Johne's disease, Mouth, Research, Sheep, Trachea, Veins.
- 21396-68**
EXPERIMENTAL PARATUBERCULOSIS IN SHEEP AFTER ORAL, INTRATRACHEAL, OR INTRAVENOUS INOCULATIONS SEROLOGIC AND INTRADERMAL TESTS.
R S Merkal A B Larsen K E Kopecky J P Kluge W S Monlux R P Lehmann L Y Quinn
Amer J Vet Res 29(5):953-962 REF
May 1968 41.8 AM3A
Injections, Johne's disease, Mouth, Research, Serological tests, Sheep, Skin tests, Trachea, Veins.
- 21397-68**
CONCENTRATION AND PURIFICATION OF NEWCASTLE DISEASE VIRUS.
H C Minocha R A Consigli A Eisenstark
Amer J Vet Res 29(4):877-882
Apr 1968 41.8 AM3A
Chickens, Isotopes, Newcastle disease virus, Phosphorus, Research, Virus diseases (animals).
- 21398-68**
SEROLOGICAL RESPONSES OF HORSES IMMUNIZED WITH LIVE ATTENUATED AFRICAN HORSE SICKNESS VACCINE.
H Mirchamsy H Taslimi
J Comp Pathol 77(4):431-438
Oct 1967 41.8 J82
African horse sickness, Animal diseases, Horses, Immunization, Serological tests, Vaccines.
- 21399-68**
DETERMINATION OF THE DOSAGE-RESPONSE CURVE OF MICE INOCULATED WITH SCRAPIE.
D L Mould A M Dawson W Smith
J Comp Pathol 77(4):387-391 REF
Oct 1967 41.8 J82
Animal diseases, Dosage, Injections, Mice, Scrapie.
- 21400-68**
RELATIONSHIPS BETWEEN CHEMICAL CHANGES AND HISTOLOGICAL DAMAGE IN THE BRAINS OF SCRAPIE AFFECTED MICE.
D L Mould A M Dawson J S Slater I Zlotnik
J Comp Pathol 77(4):393-403 REF
Oct 1967 41.8 J82
Animal diseases, Brain, Chemistry, Histology, Mice, Scrapie.
- 21401-68**
UNSUCCESSFUL STUDIES IN THE DIALYSIS OF THE MOUSE SCRAPIE AGENT.
D L Mould A M Dawson
J Comp Pathol 78(1):115-120
Jan 1968 41.8 J82
Animal diseases, Dialysis, Mice, Research, Scrapie.
- 21402-68**
ZIERIA ARBORESCENS (STINKWOOD) INTOXICATION IN CATTLE.
B L Munday
Australian Vet J 44(11):501-502 REF
Nov 1968 41.8 AU72
Animal physiology, Cattle, Lungs, Poisoning, Poisonous plants, Pulmonary edema, Zieria arborescens.
- 21403-68**
LABORATORY DIAGNOSIS AND TREATMENT OF INFECTIOUS MASTITIS IN DAIRY COWS. (SP)
A Nicolescu E Galusca C Corbescu M Nicolescu
Rev Zootech Med Vet 8(18):49
Aug 1968 49 P943
Bacteriology, Dairy cattle, Infectious diseases, Mastitis, Research.
- 21404-68**
OSTEODYSTROPHIC DISEASES OF SHEEP. III. DENTAL MAL-OCCLUSION IN YOUNG SHEEP.
D I Nisbet E J Butler J M Robertson C C Bannatyne
J Comp Pathol 78(1):73-77 REF
Jan 1968 41.8 J82
Livestock diseases, Mouth, Sheep.
- 21405-68**
THE TIME COURSE OF SYNTHESIS OF VIRUS-SPECIFIC PROTEIN IN PIG-KIDNEY CELLS AFTER INFECTION WITH THE FOOT-AND-MOUTH DISEASE VIRUS. (GE)
A F Olechnowitz R Kokles
Arch Exp Veterinarmed 21(6):1461-1468 REF
Dec 1967 41.8 EX7
Cells, Fluorescence, Foot-and-mouth disease virus, Immunology, Proteins, Swine, Time, Virus diseases (animals). Summary in English and Russian
- 21406-68**
EXPERIMENTAL PRODUCTION OF THE CRANIAL FORM OF FOWL CHOLERA IN TURKEYS.
L D Olson E L McCune
Amer J Vet Res 29(8):1665-1673
Aug 1968 41.8 AM3A
Fowl cholera, Livestock diseases, Pasteurella multocida, Research, Skull, Turkeys.
- 21407-68**
BRUCELLOSIS. CHANGES IN LIST OF PUBLIC STOCKYARDS.
R E Omohundro
Fed Regist 33(233):17848
30 Nov 1968 L1.451
Brucellosis, Indexing, Livestock diseases, Nomenclature, Stockyards.
- 21408-68**
PROGRESS IN THE CONTROL OF BRUCELLOSIS.
J Pasfield
Roy Ass Brit Dairy Farmers J 72:44-49
1968 44.9 B77
Agricultural outlook, Animal diseases, Brucellosis, Cattle, Foot-and-mouth disease, Research, Vaccines.
- 21409-68**
THE EFFECT OF STILBESTROL ON THE MOBILIZATION OF LIPOPROTEINS IN THE BLOOD SERUM OF COCKS. (GE)
J Pavel A Babak B Svozil
Arch Exp Veterinarmed 21(5):1209-1215
Nov 1967 41.8 EX7
Animal physiology, Blood, Diethylstilbestrol, Poultry, Proteins. English and Russian summaries
- 21410-68**
THE FACE FLY, A LIVESTOCK PEST.
J T Pennell
Wash State Univ Ext Serv E M 2947:2P.
May 1968 275.29 W270MI
Biochemistry, Chemical control (insects), Feed additives, Insect morphology, Livestock, Metamorphosis, Methodology, Musca autumnalis, Ronnel, Spraying.
- 21411-68**
ANTIGENIC RELATIONSHIP BETWEEN INFLUENZA A VIRUSES OF HUMAN AND AVIAN ORIGINS.
H G Pereira B Tumova R G Webster
Nature 215(5104):982-983
26 Aug 1967 472 N21
Antigens, Biochemistry, Birds, Horses, Human diseases, Influenza, Rats, Swine, Viruses.
- 21412-68**
CYTOPATHOLOGIC CHANGES OF LYMPHATIC TISSUES OF CATTLE WITH THE BOVINE VIRUS DIARRHEA-MUCOSAL DISEASE COMPLEX.
C P Peter J R Duncan D E Tyler F K Ramsey
Amer J Vet Res 29(5):939-948 REF
May 1968 41.8 AM3A
Bovine virus diarrhea virus, Cattle, Cytology, Lymphatic system, Mucosal disease, Tissues, Virus diseases (animals).
- 21413-68**
PATHOGENESIS AND PATHOLOGY IN CALVES OF INFECTION BY BEDSONIA ALONE AND BY BEDSONIA AND REOVIRUS TOGETHER.

21414-68

J I H Phillip A R Omar V Popovici P H Lamont J H Darbyshire
J Comp Pathol 78(1):89-99 REF
 Jan 1968 41.8 J82
 Bedsonia virus, Cattle, Reoviruses, Virus diseases (animals).

21414-68

IN VITRO POTENCY TESTS FOR ANTI-HOG CHOLERA ANTIBODIES: A TEST FOR ANTI-HOG CHOLERA SERUMS AND A TEST FOR HERD EXPOSURE.

C E Phillips

Amer J Vet Res 29(5):1097-1102

May 1968 41.8 AM3A

Antibodies, Culture media, Fluorescent antibody technic, Hog cholera, Hog cholera vaccines, Livestock diseases, Research, Swine.

21415-68

IMMUNOLOGIC PROPERTIES OF CANINE TRANSMISSIBLE VENEREAL SARCOMA.

R D Powers

Amer J Vet Res 29(8):1637-1645 REF

Aug 1968 41.8 AM3A

Animal diseases, Antibodies, Dogs, Immunity, Neoplasms, Properties, Sarcoma.

21416-68

IN VIVO EFFECTS OF CANINE LYMPHOSARCOMA DEOXYRIBONUCLEIC ACID.

J E Prier J Roszel P H Craig D F Cain

Amer J Vet Res 28(122):183-189 REF

Jan 1967 41.8 AM3A

Deoxyribonucleic acid, Dogs, Injections, Laboratory animals, Lymphosarcoma, Neoplasms, Research.

21417-68

POTENCY OF AN ATTENUATED CANINE DISTEMPER VACCINE DERIVED FROM CHICK EMBRYO CELL CULTURES.

J Prydie

Res Vet Sci 9(5):453-457

Sep 1968 41.8 R312

Canine distemper vaccines, Chick embryos, Culture media, Dogs, Ferrets, Histology, Research, Virus diseases (animals).

21418-68

EXPERIMENTAL BOVINE INFECTIOUS KERATOCONJUNCTIVITIS CAUSED BY SUNLAMP IRRADIATION AND MORAXELLA BOVIS INFECTION: CORRELATION OF HEMOLYTIC ABILITY AND PATHOGENICITY.

G W Jr. Pugh D E Hughes

Amer J Vet Res 29(4):835-839

Apr 1968 41.8 AM3A

Bacteria, Cattle, Infectious diseases, Irradiation, Keratoconjunctivitis, Lighting, Livestock diseases, Moraxella bovis, Research.

21419-68

ON THE DIAGNOSIS OF EQUINE TUBERCULOSIS. III. TUBERCULIN TESTS MADE ON EXPERIMENTALLY INFECTED HORSES. (GE)

W Richter

Arch Exp Veterinarmed 21(5):1235-1246

Nov 1967 41.8 EX7

Diagnosis, Horses, Research, Tuberculin test, Tuberculosis. English and Russian summaries

21420-68

ANAPLASMOSIS. XX. ELECTRON MICROSCOPY OF THE CAUSATIVE AGENT STAINED BY THE NEGATIVE CONTRAST TECHNIQUE.

M Ristic

Amer J Vet Res 28(122):63-70 REF

Jan 1967 41.8 AM3A

Anaplasmosis, Anatomy, Electron microscopy, Erythrocytes, Livestock diseases, Parasitism, Research.

21421-68

MECHANISM OF EGG TRANSMISSION OF MYCOPLASMA GALLISEPTICUM.

D H Roberts J W McDaniel

J Comp Pathol 77(4):439-442

Oct 1967 41.8 J82

Eggs, Livestock diseases, Mycoplasma gallisepticum, Poultry.

21422-68

OBSERVATIONS ON EXPERIMENTAL ACUTE FASCIOLIASIS IN SHEEP.

H E Roberts

Brit Vet J 124(10):433-450

Oct 1968 41.8 V643

Animal diseases, Blood serum, Fascioliasis, Laboratories, Research, Sheep, Tables (data), Trematoda. German and French summary

21423-68

CLINICAL-DIAGNOSTICAL LIVER EXAMINATIONS IN ACETONEMIA (KETOSIS) OF CATTLE. (GE)

N Rossow

Arch Exp Veterinarmed 21(4):1005-1013 REF

Sep 1967 41.8 EX7

Cattle, Diagnosis, Ketosis, Laboratories, Liver, Livestock diseases, Research. English and Russian summaries

21424-68

BUOYANT DENSITY OF AFRICAN HORSE SICKNESS VIRUS.

B Russell

Nature 215(5104):983-984

26 Aug 1967 472 N21

African horse sickness virus, Biochemistry, Density, Infectious diseases, Lipids, Viruses.

21425-68

HAMSTER ASCITES TUMOR CELL LINE BHK 21/C.13/T.6/ASCITES USEFUL IN SUBMERGED SERUM-FREE AGAR CULTURES TO SUPPORT VIRUS GROWTH. (PATENT 3,418,210).

F K Sanders

Us Patent Office Offic Gaz 857(4):1225

24 Dec 1968 156.65 OF2

Agar, Ascites, Cells, Culture media, Hamsters, Neoplasms, Patents, Viruses.

21426-68

INDUCTION OF TUMOURS IN HAMSTERS WITH INFECTIOUS CANINE HEPATITIS VIRUS.

P Sarma W Vass R J Huebner H Igel W T Lane

H C Turner

Nature 215(5098):293-294 REF

15 Jul 1967 472 N21

Antigens, Complement fixation, Culture media, Hamsters, Infectious canine hepatitis virus, Neoplasms, Research.

21427-68

IN UTERO INFECTION OF BOVINE FETUSES WITH MYXOVIRUS PARAINFLUENZA-3.

S A Sattar E H Bohl A L Trapp A H Hamdy

Amer J Vet Res 28(122):45-49

Jan 1967 41.8 AM3A

Cattle, Fetal death, Livestock diseases, Lungs, Myxovirus parainfluenza-3, Veterinary medicine.

21428-68

THE REMARKS ON ENZOOTIC PSEUDOTUBERCULOSIS IN NUTRIA. (PO)

W Scheuring

Med Wet 24(7):406-407

Jul 1968 41.8 M463

Animal diseases, Nutria, Pseudotuberculosis, Research.

21429-68

PLAQUE MORPHOLOGY OF NEWCASTLE DISEASE VIRUS AS INFLUENCED BY CELL TYPE AND ENVIRONMENTAL FACTORS.

G Schloer R P Hanson

Amer J Vet Res 29(4):883-895 REF

Apr 1968 41.8 AM3A

Cells, Environment, Morphology, Newcastle disease virus, Research, Virus diseases (animals).

21430-68

ELECTRON MICROSCOPIC DETECTION OF AN AVIAN TUMOR VIRUS IN MONONUCLEAR CELLS FROM THE BLOOD OF CHICKENS WITH EXPERIMENTAL OSTEOPETROSIS. (GE)

P Schulze K Vogel

Arch Exp Veterinarmed 21(6):1537-1541 REF

Dec 1967 41.8 EX7

Avian tumor virus, Blood, Cells, Chickens, Electron microscopy, Morphology, Osteopetrosis, Virus diseases (animals). Summary in English and Russian

21431-68

THE POSSIBILITIES AND LIMITS OF SWINE DISEASE DIAGNOSTICS BASED ON CLINICAL EXAMINATIONS. (PO)

W Schulze

Med Wet 24(7):412-414

Jul 1968 41.8 M463

Diagnosis, Laboratory animals, Livestock diseases, Research, Swine.

21432-68

INVESTIGATIONS INTO THE QUESTION OF THE OCCURRENCE OF DIFFERENT TYPES OF LYMPHOCYTES IN CATTLE WITH PARTICULAR REFERENCE TO ENZOOTIC LEUKOSIS. (GE)

H Seils

Arch Exp Veterinarmed 21 1087-1097 REF

Sep 1967 41.8 EX7

Cattle, Leukosis, Livestock diseases, Lymphocytes, Research. English and Russian summaries

21433-68

RECOVERY OF VIRUS FROM BULLS AFFECTED WITH FOOT-AND-MOUTH DISEASE.

R F Sellers R Burrows J A Mann P Dawe

Vet Rec 83(12):303

21 Sep 1968 41.8 V641

Animal vectors, Bulls, Diagnosis, Foot-and-mouth disease, Research, Semen, Virus diseases (animals).

21434-68

THREE CASES OF METRITIS.

A G Shearer

Vet Rec 83(13):333-334

28 Sep 1968 41.8 V641

Animal diseases, Diagnosis, Dogs, Metritis, Ovaries, Uterus.

21435-68

EXPERIMENTAL AFLATOXICOSIS IN YOUNG SWINE.

D B Sisk W W Carlton T M Curtin

Amer J Vet Res 29(8):1591-1602 REF

Aug 1968 41.8 AM3A

Aflatoxicosis, Liver, Livestock diseases, Research, Swine.

21436-68

THE INVESTIGATIONS ON INCREASING THE SPECIFICITY OF THE COMPARATIVE TUBERCULIN TEST. (PO)

A Spryszak C Zorawski

Med Wet 24(7):397-401

Jul 1968 41.8 M463

Animal diseases, Birds, Cattle, Research, Tuberculin test, Tuberculosis. English, French, Russian, German summaries

21437-68

A BRUCELLA AGGLUTINATION SCREENING TEST.

C Staak C M Groocock

Vet Rec 83(4):349-351

05 Oct 1968 41.8 V641

Agglutination, Brucella, Cattle, Livestock diseases, Pleuropneumonia, Serological tests.

21438-68

CHEMOTHERAPY OF RENAL LEPTOSPIROSIS IN SWINE.

O H V Stalheim

- Amer J Vet Res* 28(122):161-166 REF
Jan 1967 41.8 AM3A
Drug therapy, Kidneys, *Leptospira pomona*, Leptospirosis, Livestock diseases, Swine.
- 21439-68**
INFLUENCE OF DIETARY SUGAR ON GROWTH OF CANDIDA ALBICANS IN THE PORCINE DIGESTIVE TRACT AND LESIONS IN THE ESOPHAGEAL AREA OF THE STOMACH.
M A Stedham D C Kelley E H Coles
Amer J Vet Res 28(122):153-159 REF
Jan 1967 41.8 AM3A
Candida albicans, Diet, Esophagus, Growth factors, Livestock diseases, Sugars, Swine.
- 21440-68**
THE ALEUTIAN DISEASE IN MINKS- PLASMOCYTOSIS. III. (po)
J Steffen R Sander-Wachowicz E Szafarska-Stojko
Med Wet 24(7):403-405
Jul 1968 41.8 M463
Aleutian disease, Animal diseases, Cytology, Histology, Iodine, Minks, Research.
- 21441-68**
INFECTIVITY FOR CATTLE AND PIGS OF THREE STRAINS OF FOOT-AND-MOUTH DISEASE VIRUS ISOLATED FROM CARRIER CATTLE.
P Suttmoller P Auge de Mello M N Honigman K E Federer
Amer J Vet Res 28(122):101-105
Jan 1967 41.8 AM3A
Animal vectors, Cattle, Epizootic diseases, Foot-and-mouth disease virus, Swine, Volumetric analysis.
- 21442-68**
THE STERILIZING EFFECT AGAINST BACILLUS SUBTILIS SPORES OF HYDROGEN PEROXIDE AT DIFFERENT TEMPERATURES AND CONCENTRATIONS.
P Swartling B Lindgren
J Dairy Res 35(3):423
Oct 1968 44.8 J823
Bacillus subtilis, Culture media, Hydrogen peroxide, Research, Sterilization, Temperature.
- 21443-68**
THE ISOLATION AND COMPARATIVE BIOLOGICAL AND PHYSICAL CHARACTERISTICS OF T-MYCOPLASMAS OF CATTLE.
D Taylor-Robinson M H Williams D A Haig
J Gen Microbiol 54(PT 1):33-46 REF
Nov 1968 448.3 J823
Biology, Cattle, Mycoplasma, Physiology, Urogenital system.
- 21444-68**
A SURVEY OF CATTLE SERA FROM KENYA AND UGANDA FOR ANTIBODIES TO BOVINE VIRUS DIARRHOEA VIRUS.
W P Taylor C S Rampton
Vet Rec 83(5):121-124 REF
03 Aug 1968 41.8 V641
Antibodies, Bovine virus diarrhoea virus, Cattle, Kidneys, Serum, Virus diseases (animals).
- 21445-68**
GROWTH AND NUTRITIONAL REQUIREMENTS OF TWO SEROTYPES OF OVINE VIBRIO FETUS.
G J Tritz J E Ogg
Amer J Vet Res 28(122):115-122 REF
Jan 1967 41.8 AM3A
Amino acids, Culture media, Growth factors, Nutrition, Sodium thiosulfate, Vibrio fetus.
- 21446-68**
PHYSICAL AND CHEMICAL CONDITIONS INDUCING THE COCCOID FORM OF OVINE VIBRIO FETUS.
G J Tritz J E Ogg
Amer J Vet Res 28(122):123-129 REF
Jan 1967 41.8 AM3A
Culture media, Growth factors, Hydrogen-ion concentration, Sodium thiosulfate, Temperature, Vibrio fetus.
- 21447-68**
ON REGULARITIES IN THE OCCURRENCE OF RABIES DRESDEN COUNTY. A CONTRIBUTION TO THE EPIZOOTIOLOGY OF RABIES. (GE)
F Ulbrich
Arch Exp Veterinarmed 21(4):1073-1085 MAP REF
Sep 1967 41.8 EX7
Animal diseases, Epidemiology, Rabies, Research, Time. English and Russian summaries
- 21448-68**
CLINICAL AND PATHOLOGICAL ASPECTS OF HOG CHOLERA IN GRIEVOUS PIGS BELOW NORMAL PHYSICALLY. (GE)
D Urbaneck R Kokles D Schmidt E Wittmann H Bergmann
Arch Exp Veterinarmed 21(6):1443-1459 REF
Dec 1967 41.8 EX7
Animal physiology, Diagnosis, Diet, Grain, Hog cholera, Swine, Virus diseases (animals). Summary in English and Russian
- 21449-68**
THE BEHAVIOR OF MACRONUCLEOLAR AND POLYNUCLEOLAR LYMPHOCYTES IN BOVINE LEUKOSIS. (GE)
D Urbaneck W Wittmann
Arch Exp Veterinarmed 21(6):1469-1476 REF
Dec 1967 41.8 EX7
Animal diseases, Blood, Cattle, Leukocytosis, Lymphocytosis. Summary in English and Russian
- 21450-68**
ON THE ISOLATION OF SOME STRAINS OF THE MIYAGAWANELLA PSITTACI VIRUS. (FR)
J Virat A Vallee J C Guillon L Chaumont
Acad Vet France Bull 40(9):433-440
Nov 1967 41.9 R24
Diagnosis, Miyagawanella group viruses, Ornithosis, Research, Serological tests.
- 21451-68**
AN OBSERVATION ON FELINE INFECTIOUS PERITONITIS.
J M Ward R J Munn D H Gribble D L Dungworth
Vet Rec 83(16):416-417
19 Oct 1968 41.8 V641
Cats, Infectious diseases, Peritonitis, Research, Virus diseases (animals).
- 21452-68**
INACTIVATED CULTURE VACCINE AGAINST MYCOPLASMA GALLISEPTICUM INFECTION IN CHICKENS.
J Warren L B Senterfit F Siero
Amer J Vet Res 29(8):1659-1664
Aug 1968 41.8 AM3A
Air sacs, Chickens, Culture media, Livestock diseases, Mycoplasma gallisepticum, Vaccines.
- 21453-68**
COMPLEMENT-FIXATION TEST FOR LOUPEING ILL IN SHEEP.
H E Williams
Amer J Vet Res 29(8):1619-1624
Aug 1968 41.8 AM3A
Antibodies, Complement fixation, Livestock diseases, Louping ill, Sheep.
- 21454-68**
ELECTRON MICROSCOPIC STUDIES ON VESICULAR EXANTHEMA OF SWINE VIRUS: INTRACYTOPLASMIC VIRAL CRYSTAL FORMATION IN CULTURED PIG KIDNEY CELLS.
Y C Zee A J Hackett S H Madin
Amer J Vet Res 29(5):1025-1032 REF
May 1968 41.8 AM3A
Culture media, Cytoplasm, Electron microscopes, Kidneys, Research, Swine, Vesicular exanthema virus (swine), Virus diseases (animals).
- 21455-68**
SPREAD OF SCRAPIE BY CONTACT IN MICE.
I Zlotnik
J Comp Pathol 78(1):19-22
Jan 1968 41.8 J82
Animal diseases, Infectious diseases, Mice, Scrapie.

ARTHROPODS

- 21456-68**
THE FACE FLY, MUSCA AUTUMNALIS... A NEW LIVESTOCK FLY IS NOW MOVING TOWARD CALIFORNIA.
J R Anderson J H Poorbaugh
Calif Agr 22(3):4-6
Mar 1968 100 C12CAG
Biological control (insects), Chemical control (insects), Ecology, Insect pests, Livestock, Management, Musca autumnalis, Research.
- 21457-68**
STUDIES ON THE APPLICATION TO CATTLE OF THE LOW-TOXICITY 32P-LABELED PHOSPHONIC ACID ESTER BUTONATE. (GE)
W Dedek Hh Schwarz
Arch Exp Veterinarmed 21(4):1023-1030 REF
Sep 1967 41.8 EX7
Butonate, Cattle, Isotopes, Milk, Phosphoric acid esters, Phosphorus, Research. English and Russian summaries
- 21458-68**
BEEF CATTLE DIPPING PROGRAM IN SOUTHEASTERN, IDAHO. (ABSTRACT).
E P Duren
J Anim Sci 27(4):1105
Jul 1968 49 J82
Biochemistry, Cattle, Chemical control (insects), Dipping, Economics, Insect pests, Insecticides, Methodology. Abstract presented at meeting of A.S.A.S., July 7-9, 1968, Moscow, Idaho.
- 21459-68**
HORN FLY AND GRUB CONTROL ON BEEF CATTLE...TESTING SEVERAL NEW INSECTICIDES.
W H Johnson E C Loomis
Calif Agr 21(10):12-14
Oct 1967 100 C12CAG
Beef cattle, Chemical control (insects), Grubs, Haematobia irritans, Insect pests, Insecticides.
- 21460-68**
EFFICACY OF HOMOLOGOUS ANTIGENS AND COUMAPHOS. COMPARATIVE EFFECTS AGAINST THE CATTLE GRUBS HYPODERMA SPP., AND A DISCUSSION OF COUMAPHOS TOXICITY.
M A Khan
Vet Rec 83(4):345-349 REF
05 Oct 1968 41.8 V641
Antigens, Cattle, Coumaphos, Hypoderma lineatum, Insect control, Insecticides.
- 21461-68**
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FAMPHUR.
J K Kirk
Fed Regist 33(213):15996
31 Oct 1968 L1.451
Agricultural products, Animals, Biochemistry, Cattle, Chemical control (insects), Famphur, Feed, Food additives, Water.
- 21462-68**
TICK PARALYSIS IN CALIFORNIA LIVESTOCK.
E C Loomis R B Bushnell
Amer J Vet Res 29(5):1089-1093 MAP REF
May 1968 41.8 AM3A
Dermacentor occidentalis, Insect vectors, Livestock, Livestock diseases, Tick paralysis.

21463-68
DOMESTIC QUARANTINE NOTICES. GYPSY MOTH AND BROWN-TAIL MOTH. I. QUARANTINE AND REGULATIONS. II. REGULATED AREAS. III. EXEMPTIONS.
D R Shepherd R J Anderson
Fed Regist 33(229,PT.1 AND 2):17341-17346
23 Nov 1968 L1.451
Animal quarantine, Insect pests, *Nygmia phaeorrhoea*, *Porthetria dispar*.

PARASITES

21464-68
CELLULAR RESPONSE OF CALVES TO FIRST-GENERATION SCHIZONTS OF *EIMERIA BOVIS* AFTER TREATMENT OF CALVES WITH SULFAMETHAZINE AND LINCOMYCIN HYDROCHLORIDE.
A Arakawa A C Todd
Amer J Vet Res 29(8):1549-1559 REF
Aug 1968 41.8 AM3A
Cattle, Cells, Coccidiosis, *Eimeria bovis*, Lincomycin, Sulfamethazine.

21465-68
EFFECT OF COCCIDIAL INFECTION UPON PASSAGE RATES OF DIGESTIVE TRACT CONTENTS OF CHICKS.
M V Aylott O H Vestal J F Stephens D E Turk
Poultry Sci 47(3):900-904
May 1968 47.8 AM33P
Chickens, Coccidiosis, Digestion, Gastrointestinal system, Livestock diseases, Parasitism.

21466-68
ANTHELMINTIC ACTIVITY OF TWO ORGANIC PHOSPHORUS COMPOUNDS, COUMAPHOS AND NAPHTHALOPHOS, AGAINST GASTROINTESTINAL NEMATODES OF CATTLE.
D D Cox M T Mulee A D Allen
Amer J Vet Res 28(122):79-88 REF
Jan 1967 41.8 AM3A
Anthelmintics, Cattle, Cooperia, Coumaphos, Gastrointestinal diseases, Haemonchus, Naphthalophos, Nematodiasis, Ostertagia, Phosphorus compounds.

21467-68
PATHOPHYSIOLOGY OF FASCIOLIASIS IN THE RABBIT. STUDIES ON ALBUMIN TURNOVER.
J D Dargie P H Holmes J M McLean W Mulligan
J Comp Pathol 78(1):101-105 REF
Jan 1968 41.8 J82
Albumins, Fascioliasis, Parasitism, Physiology, Proteins, Rabbits, Research.

21468-68
THE PATHOLOGY OF EXPERIMENTAL FASCIOLIASIS IN CALVES.
C Dow J G Ross J R Todd
J Comp Pathol 77(4):377-385 REF
Oct 1967 41.8 J82
Animal diseases, Cattle, Fascioliasis, Liver, Parasitism, Research.

21469-68
STIMULATION OF HATCHING OF THE POTATO-ROOT EELWORM *HETERODERA ROSTOCHIENSIS* BY ION EXCHANGE RESINS.
C Ellenby L Smith
Nature 215(5101):666-667
05 Aug 1967 472 N21
Hatching, *Heterodera rostochiensis*, Ion exchange resins, Research, Stimulants.

21470-68
THE ACTION OF THE ANTHELMINTIC TETRAMISOLE ON *NEMATODIRUS BATTUS* INFECTION IN LAMBS.
T E Gibson G Everett J W Parfitt
Res Vet Sci 9(5):486-487
Sep 1968 41.8 R312
Anthelmintics, Chemical control (nematodes), Lambs, *Nematodirus battus*, Research, Tetramisole.

21471-68
STUDIES ON RE-INFESTATION OF THE CAT WITH *AELUROSTRONGYLUS ABSTRUSUS*.
J M Hamilton
J Comp Pathol 78(1):69-72 REF
Jan 1968 41.8 J82
Aelurostrongylus abstrusus, Cats, Immunity, Parasitism, Research.

21472-68
HOST - PARASITE RELATIONSHIP-I. STUDIES ON THE PRODUCTIVITY OF SHEEP AS AFFECTED BY HAEMONCHOSIS.
M Z Hussain M Akram
Pakistan J Sci 19(5-6):247-251 REF
Nov 1967 475 P172
Animal nutrition, Economics, *Haemonchus contortus*, Meat, Sheep.

21473-68
DR. MAYFIELD HOG WORMER. DRUGS FOR VETERINARY USE - DRUG EFFICACY STUDY IMPLEMENTATION.
H L Ley
Fed Regist 33(237):18204-18205
06 Dec 1968 L1.451
Drug therapy, Nematodes, Preventive medicine, Research, Swine, Veterinary medicine.

21474-68
DIROFILARIA IMMITIS IN A NATIVE CAT.
M F Manuel R S Peneyra
Philippine J Vet Med 5(1/2,JUN-DEC):122-124
1966 41.8 P53
Cats, *Dirofilaria immitis*, Insect identification, Research, Viscera.

21475-68
FOOD-CHAIN TOXICITY OF SYSTEMIC ACARICIDES TO PREDACEOUS MITES.
R J McClanahan
Nature 215(5104):1001
26 Aug 1967 472 N21
Chemical control (pests), Cucumbers, Ecology, *Phytoseiulus persimilis*, Plant pest control, Predaceous insects, Roots, *Tetranychus urticae*, Toxicology, *Typhlodromus fallax*.

21476-68
EFFICACY OF NAPHTHALOPHOS AND COUMAPHOS AGAINST NEMATODES OF GOATS.
L R McDougald R G White M F Hansen
Amer J Vet Res 29(5):1077-1079
May 1968 41.8 AM3A
Animal diseases, Coumaphos, Goats, Naphthalophos, Nematodes, Parasitism.

21477-68
COCCIDIOSTATIC ACTIVITY OF METICLORPINDOL EFFECTIVENESS AGAINST SINGLE INFECTIONS OF FIVE SPECIES OF *EIMERIA* IN THE DOMESTIC FOWL.
C C Norton L P Joyner
Vet Rec 83(13):317-323 REF
28 Sep 1968 41.8 V641
Biochemistry, Chickens, Coccidiosis, Drug therapy, *Eimeria acervulina*, *Eimeria brunetti*, *Eimeria maxima*, *Eimeria necatrix*, *Eimeria tenella*, Meticlorpindol.

21478-68
HEMATOZOA OF THE MALLARD DUCK, *ANAS PLATYRHYNCHOS* L., IN SOUTH DAKOTA.
G M Polcyn A D Johnson
Wildlife Dis Ass Bull 4(1):12
Jan 1968 41.9 W64B
Birds, Blood analysis, Blood parasites, Research.

21479-68
SOME COMPARATIVE OBSERVATIONS ON UNTHRIFTINESS IN GRAZING LAMBS.
D D Pout P R Harbutt
Vet Rec 83(15):373-382 REF
12 Oct 1968 41.8 V641
Agricultural economics, Lambs, Livestock diseases, Parasitism, Research, Therapeutics.

21480-68
AN EVALUATION OF COPPER SULFATE AS ANTHELMINTICS IN CATTLE.
M G Scroggs H C Todd
Southwest Vet 21(1,FALL):15-18
1967 41.8 S082
Animal diseases, Anthelmintics, Cattle, Chemicals, Copper sulfate, Parasitism, Research.

21481-68
AN EVALUATION OF SOME NEWER ANTHELMINTICS. (ABSTRACT).
M Shelton
J Anim Sci 27(4):1136
Jul 1968 49 J82
Anthelmintics, Biochemistry, Dosage, Drug therapy, Livestock, Parasitism, Research, Sanitation. Abstract presented at 60th annual meeting of the A.S.A.S.

21482-68
OBSERVATIONS ON THE OCCURENCE OF THE LAZIA OR EYEWORM INFECTION OF CATTLE IN NORTHERN SOUTH WALES.
M G Smeal
Australian Vet J 44(11):516-521 REF
Nov 1968 41.8 AU72
Eyeworms, Keratoconjunctivitis, Livestock diseases, Thelaziidae.

21483-68
ORAL THIABENDAZOLE. EFFECT ON IMMATURE AND ADULT *HYOSTRONGYLUS RUBIDUS* IN EXPERIMENTALLY-INFECTED PIGS.
L F Taffs
Vet Rec 83(5):119-121 REF
03 Aug 1968 41.8 V641
Anthelmintics, Feed, *Hyoststrongylus rubidus*, Livestock diseases, Nematodes, Parasitism, Swine, Thiazolyl-benzimidazole, 2-(4-).

21484-68
THE ANTHELMINTIC ACTIVITY OF TETRAMISOLE IN THE DOG.
D Thienpont O Vanparijs J Spruyt R Marsboom
Vet Rec 83(15):369-372
12 Oct 1968 41.8 V641
Animal diseases, Anthelmintics, Ascariasis, Dogs, Parasitism, Tetramisole, *Toxascaris leonina*, *Toxocara canis*, Uncinariasis.

COMMODITY PROTECTION

21485-68
PREVENTION OF INSECT INFESTATION IN STORED FOOD PACKAGES AND AGRICULTURAL COMMODITIES. FINAL REPORT, JUNE 1, 1965 MAY 31, 1967. SB951.0G5.
R N Clark S Y Plunkett W F Gilmore
42 P. REF
02 Jun 1967
Agricultural products, Biochemistry, Chemical control (insects), Economics, Food, Insect pests, Insect repellents, Research, Storage, *Tribolium*.

MICROBIAL CONTAMINATION

21486-68
A MODIFIED BRUCELLA RING TEST OF CREAM.
D E Pietz R K Anderson D F Werring A J Kenyon R Jenness
Amer J Vet Res 28(122):39-44
Jan 1967 41.8 AM3A
Brucellosis, Hydrogen-ion concentration, Milk analysis.

ENVIRONMENTAL CONTAMINATION

21487-68

FINE-STRUCTURAL CHANGES IN RELATION TO ION AND WATER TRANSPORT IN THE RECTAL PAPILLAE OF THE BLOWFLY, CALLIPHORA.

M J Berridge B L Gupta

J Cell Sci 2(1):89-112 REF

Mar 1967 OH301 J6

Anatomy, Biology, Calliphora vicina, Calliphoridae, Ionization, Ovipositors, Research, Water.

21488-68

DDT CONTAMINATION OF FEED AND RESIDUES IN MILK.

R C Labcn

J Anim Sci 27(6):1643-1650 REF

Nov 1968 49 J82

DDT, Environment, Feed, Milk, Pesticide residues, Research.

21489-68

CONTROLLING WATER POLLUTION.

F Stein

Amer Dairy Rev 30(11):18-19,77-78

Nov 1968 44.8 AM38

Agricultural outlook, Dairy industry, Equipment, Research, Water pollution.

RESIDUES

21490-68

THE EFFECT OF THE CHEMICAL CONTROL OF INSECTS ON WILDLIFE CONSERVATION: EVALUATION OF THE PRESENT IN THE LIGHT OF PAST EXPERIENCE.

A W A Brown

Entomol Soc Ontario Proc 91:40-46 REF

1960 420 ON8

Chemical control (insects), Pesticide residues, Research, Wildlife conservation.

21491-68

MONTMORILLONITE-S-TRIAZINE INTERACTIONS.

M Cruz J L White J D Russell

Israel J Chem 6(3):315-323 REF

May 1968 385 IS7

Chemical reactions, Herbicide residues, Herbicides, Hydrolysis, Infrared spectra, Montmorillonite, Soil adsorption, Triazine, Water.

21492-68

THE BEHAVIOR OF ³²P LABELED INSECTICIDAL ORGANOPHOSPHORUS COMPOUNDS FOLLOWING INTRACISTERNAL APPLICATION TO CATTLE, A CONTRIBUTION TO THE RESORPTION OF BIOLOGICALLY ACTIVE SUBSTANCES. 2. FROM THE UDDER OF CATTLE: TRICHLORFON, BUTONATE, DDVP, AND DIMETHOATE. (GE)

W Dedek H Schwarz

Arch Exp Veterinarmed 21(6):1505-1510 REF

Dec 1967 41.8 EX7

Absorption, Butonate, Cattle, Dichlorvos, Dimethoate, Insecticide residues, Insecticides, Organic compounds, Phosphorus isotopes, Trichlorfon, Udders.

21493-68

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS.

R E Duggan

Fed Regist 33(234):17927-17928

03 Dec 1968 L1.451

Agricultural products, Biochemistry, Chemicals, Meat, Milk, Pesticides, Rotenone.

21494-68

2-AMINOBTUTANE. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCE.

R E Duggan

Fed Regist 33(234):17927

03 Dec 1968 L1.451

Aminobutane, 2-, Biochemistry, Fungicides, Harvesting, Peaches.

21495-68

NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICAL.

R E Duggan

Fed Regist 33(237):18204

06 Dec 1968 L1.451

Biochemistry, Insecticide residues, Methoxychlor, Milk, Milk analysis.

21496-68

REMOVAL OF DDT, MALATHION, AND CARBARYL FROM GREEN BEANS BY COMMERCIAL AND HOME PREPARATIVE PROCEDURES.

E R Elkins F C Lamb R P Farrow R W Cook M

Kawai J R Kimball

J Agr Food Chem 16(6):962-966

Nov 1968 381 J8223

Beans, Carbaryl, DDT, Food processing, Malathion, Pesticide residues.

21497-68

RESIDUES OF 2-METHYL-2-(METHYLTHIO)PROPIALDEHYDE O-(METHYLCARBOAMOYL)-OXIME(TEMIK)IN CITRUS FOLLOWING SOIL APPLICATIONS.

R Hendrickson W R Meagher

J Agr Food Chem 16(6):903-905

Nov 1968 381 J8223

Biochemistry, Citrus, Pesticide residues, Soils, Temik.

21498-68

PARATHION OR ITS METHYL HOMOLOG. PROPOSED ESTABLISHMENT OF PESTICIDE TOLERANCE.

J K Kirk

Fed Regist 33(225):17146

19 Nov 1968 L1.451

Agricultural products, Biochemistry, Insecticide residues, Methyl parathion, Parathion, Seedlings, Sunflowers.

21499-68

NOTICE OF AMENDED FILING OF PETITION REGARDING PESTICIDES.

J K Kirk

Fed Regist 33(189):14550

27 Sep 1968 L1.451

Dimethoate, Insecticides, Lemons, Oranges, Oxygen, Pesticide residues, Plant protection.

21500-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES.

J K Kirk

Fed Regist 33(213):15996

31 Oct 1968 L1.451

Biochemistry, Citrus, Fruit, Herbicide residues, Pesticides, Trifluralin.

21501-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ETHION.

J K Kirk

Fed Regist 33(191):14640

01 Oct 1968 L1.451

Cattle, Chemicals, Ethion, Insecticides, Meat, Milk, Pesticide residues.

21502-68

TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. O,O-DIMETHYL S-(4-OXO-1,2,3-BENZOTRIAZIN-3(4H)-YLMETHYL) PHOSPHORODITHIOATE; CORRECTION.

J K Kirk

Fed Regist 33(217):16271

06 Nov 1968 L1.451

Agricultural products, Azinphosmethyl, Biochemistry, Chemicals, Immunity, Insecticide residues, Insecticides, Pesticides.

21503-68

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. AMPROLIUM, ETHOPABATE.

J K Kirk

Fed Regist 33(166):12041

24 Aug 1968 L1.451

Amprolium, Drug residues, Ethopabate, Feed additives, Food additives, Humans, Livestock, Toxicology, Water.

21504-68

ARSENIC. PROPOSED TOLERANCES FOR RESIDUES IN EDIBLE TISSUES AND BYPRODUCTS OF SWINE.

J K Kirk

Fed Regist 33(191):14647

01 Oct 1968 L1.451

Arsenic, Eggs, Meat, Poultry, Residues, Swine, Tissues.

21505-68

REMOVAL OF DDT, PARATHION, AND CARBARYL FROM SPINACH BY COMMERCIAL AND HOME PREPARATIVE METHODS.

F C Lamb R P Farrow E R Elkins J R Kimball R

W Cook

J Agr Food Chem 16(6):967-973 REF

Nov 1968 381 J8223

Carbaryl, DDT, Food processing, Parathion, Pesticide residues, Spinach.

21506-68

RESIDUAL PENICILLIN IN THE TISSUES OF PIGS.

G Loftsgaard E J Briskey N Nes C Olson

Amer J Vet Res 29(8):1613-1618 REF

Aug 1968 41.8 AM3A

Antibiotics, Penicillin, Residues, Swine, Tissues, Urine.

21507-68

PESTICIDES AND PUBLIC HEALTH PROBLEMS.

L I Medved Y S Kagan Y I Spynu

USSR Sci Abs (65):107

19 Nov 1968 241.64 UN333

Chemicals, Pesticide residues, Pesticides, Public health.

21508-68

TRENDS IN THE DEVELOPMENT OF PRODUCTION AND USE OF PESTICIDES.

N N Mel'Nikov

USSR Sci Abs (65):108

19 Nov 1968 241.64 UN333

Chemistry, Pesticide residues, Pesticides, Processing.

21509-68

ORGANOCHLORINE PESTICIDES IN ANTARCTICA.

J O G Tatton J H A Ruzicka

Nature 215(5099):346-348 MAP REF

22 Jul 1967 472 N21

Chlorine, Environment, Organic compounds, Pesticide residues, Pesticides, Surveys, Tables (data), Wildlife.

21510-68

PROTECTING HONEY BEES FROM PESTICIDES.

U S D A Leaflet 544:6P.

Jun 1968 I AG840L

Apis mellifera, Pesticide residues, Pesticides, Poisoning.

21511-68

BASIC TRENDS IN THE DEVELOPMENT OF INSTRUMENTAL PROCEDURES FOR ANALYZING RESIDUAL QUANTITIES OF PESTICIDES.

A F Vasil'Yev G A Pivovarov V V Voronovka G S Supin
USSR Sci Abs (65):110
19 Nov 1968 241.64 UN333
Pesticide residues, Pesticides.

TOXICOLOGY

21512-68
SELECTION OF APHID PREY BY ADALIA BIPUNCTATA L. AND COCCINELLA 7-PUNCTATA L.

R L Blackman
Ann Appl Biol 59(3):331-338 REF
Jun 1967 442.8 AN72

Adalia bipunctata, Aphididae, Coccinella 7-punctata, Larvae, Ovipositors, Poisonous plants.

21513-68
THE SOIL MACROFAUNA AND ORGANOCHLORINE INSECTICIDE RESIDUES AT TWELVE AGRICULTURAL SITES NEAR HUNTINGDON.

B N K Davis
Ann Appl Biol 61(1):29-45 REF
Feb 1968 442.8 AN72

Birds, Chlorine, Insects, Invertebrates, Organic compounds, Soils, Toxicology.

21514-68
TERATOGENIC RESPONSE BY HAMSTERS, RATS AND MICE TO AFLATOXIN B₁.

J A DiPaolo J Elis H Erwin
Nature 215(5101):638-639 REF
05 Aug 1967 472 N21

Aflatoxin, Animal abnormalities, Hamsters, Mice, Mortality, Pregnancy, Rats, Toxicology.

21515-68
CARCINOGENICITY OF THE HERBICIDE MALEIC HYDRAZIDE.

S S Epstein J Andrea H Jaffe S Joshi H Falk N Mantel
Nature 215(5108):1388
23 Sep 1967 472 N21

Carcinogens, Chemurgy, Malic hydrazide, Mice, Mortality, Research, Toxicology.

21516-68
TREATMENT FOR POISONING BY SLUG BAIT.

C Fennell
Vet Rec 83(5):134
03 Aug 1968 41.8 V641
Baits, Dogs, Drugs, Slugs, Therapeutics, Toxicology.

21517-68
PRODUCTION AND VIABILITY OF EGGS FROM HENS TREATED WITH PARAQUAT.

K Fletcher
Nature 215(5108):1407-1408
23 Sep 1967 472 N21

Chickens, Eggs, Herbicide residues, Paraquat, Toxicology.

21518-68
EFFECT OF HALOGETON GLOMERATUS ON PH VALUES IN RUMEN OF SHEEP.

L F James J C Street J E Butcher J L Shupc
Amer J Vet Res 29(4):915-918 REF
Apr 1968 41.8 AM3A

Halogeton glomeratus, Hydrogen-ion concentration, Physiology, Rumen, Sheep, Toxicology.

21519-68
EFFECT OF CARBON MONOXIDE ON METABOLISM OF INSECTICIDES IN VIVO.

S E Lewis
Nature 215(5108):1408-1409
23 Sep 1967 472 N21

Aldrin, Carbon monoxide, Chromatography, Dieldrin, Insect metabolism, Larvae, Microsomes, Musca domestica.

21520-68
CRYSTALLINE AFLATOXIN M₁ FROM URINE AND MILK.

M S Masri R E Lundin J R Page V C Garcia
Nature 215(5102):753-755
12 Aug 1967 472 N21
Aflatoxin, Aspergillus flavus, Cattle, Chemurgy, Milk, Rice, Toxicology, Urine.

21521-68
RESPONSE OF SHEEP GRAZING IN AREAS SPRAYED WITH DEMETON.

R T McCarty M Hauffler C A Jr. McBeth
Amer J Vet Res 29(4):911-914
Apr 1968 41.8 AM3A
Animal physiology, Demeton, Insecticides, Sheep, Toxicology.

21522-68
NITRATE TOXICITY, GUIDELINES FOR LIVESTOCK MEN.

L S Murphy
Crops Soils 20(8):11-13
Jun 1968 6 W55
Feed, Forage plants, Livestock, Nitrates, Toxicology.

21523-68
THE TOXICITY OF SOME SOIL INSECTICIDES TO CARABID PREDATORS OF THE CABBAGE ROOT FLY (ERIOISCHIA BRASSICAE (BOUCHE)).

Ann Appl Biol 59(3):349-354
Jun 1967 442.8 AN72
Carabidae, Diazinon, Dieldrin, Erioeschia brassicae, Insect control, Organophosphorus compounds, Poisoning, Soil moisture, Thionazin.

21524-68
TOXICOLOGIC EFFECTS OF AMMONIUM CARBAMATE AND RELATED COMPOUNDS.

R P Wilson L E Davis M E Muhrer R A Bloomfield
Amer J Vet Res 29(4):897-906 REF
Apr 1968 41.8 AM3A
Ammonium, Ammonium compounds, Carbamates, Toxicology.

21525-68
PROCESS FOR PURIFICATION OF FUNGAL ALPHA AMYLASE. PATENT 3,416,997.

R R Barton
Us Patent Office Offic Gaz 857(3):899
17 Dec 1968 156.65 OF2
Alpha-amylase, Biochemistry, Fungi, Patents, Processing, Purification.

21526-68
EFFECTS OF COMBINATIONS OF PESTICIDES APPLIED TO COTTON.

A Y Chambers J R Overton H Andrews
Tenn Farm Home Sci 66:13-15
Apr 1968 100 T250F
Biochemistry, Cotton, Pesticides, Plant physiology, Plant protection.

21527-68
TRANSLOCATION OF TRITIUM-LABELLED GIBBERELLIC ACID IN PEA STEM SEGMENTS AND POTATO TUBER CYLINDERS.

M A Clor
Nature 214(5094):1263-1264
17 Jun 1967 472 N21
Culture media, Extracts, Gibberellie acid, Peas, Plant hormones, Plant translocation, Potatoes, Temperature.

21528-68
THE USE OF HEAT TO CONTROL THE ROTTING OF COX'S ORANGE PIPPIN APPLES BY GLOEOSPORIUM SPP.

K L Edney R T Burchill
Ann Appl Biol 59(3):389-400 REF
Jun 1967 442.8 AN72
Apples, Gloeosporium, Heat, Hydroponics, Immunization, Penicillium, Rot (apples), Spores.

21529-68
DISEASE CONTROL IN LAWN TURF, 1968.

C J Gould A D Davison R L Goss
Wash State Univ Ext Serv E M 2049:2P.
May 1968 275.29 W270M1
Biochemistry, Chemical control (plant diseases), Corticium, Diagnosis, Fungicides, Fusarium, Lawns, Ophiobolus, Turf.

21530-68
DISEASE CONTROL IN PUTTING TURF; 1968.

C J Gould A D Davison R L Goss
Wash State Univ Ext Serv E M 2050:2P.
May 1968 275.29 W270M1
Biochemistry, Chemical control (plant diseases), Corticium, Fungicides, Fusarium, Ophiobolus, Plant diseases, Turf.

21531-68
METHOD OF CONTROLLING PLANT GROWTH WITH PENTAERYTHRITOL ARSENITE CHLOROBEZOATES. PATENT 3,411,895.

M A Gradstcn
Us Patent Office Offic Gaz 856(3):868
19 Nov 1968 156.65 OF2
Arsenites, Biochemistry, Chlorobenzilate, Herbicides, Methodology, Patents, Pentaerythritol, Plant physiology.

21532-68
ANOMALOUS GROWTH RESPONSE OF BEAN PLANTS IN IRON-DEFICIENT MEDIA TO CYANIDE.

G F Israelstam
Nature 218(5139):390-391
27 Apr 1968 472 N21
Culture media, Cyanides, Enzymes, Ethylenediaminetetraacetic acid, Iron, Kidney beans, Plant nutritional deficiencies, Plant physiology.

21533-68
THE EFFECTS OF PLANT GROWTH REGULATORS ON GROWTH AND FLOWERING IN CHRYSANTHEMUM. (JA)

A Kagawa
Gifu Univ Fac Agr Res Bull (24):37-50 REF
1967 107.6 G364
Biochemistry, Chrysanthemum, Gibberellins, Naphthaleneacetic acid, Phosfon, Plant physiology, Plant regulators, Reproduction, Research. English summary.

21534-68
THE INCIDENCE OF PLANT OESTROGENS IN FINISH PASTURE AND FODDER PLANTS WITH SPECIAL REFERENCE TO THEIR POSSIBLE EFFECTS IN CASES OF STERILITY IN RUMINANTS. SF98.0E80K3.

K Kallela
132P. FINLAND, TAMPEREEN KIRJAPAINO-OSAKEYHTIO
1964
Feed, Pastures, Plant physiology, Research, Ruminants, Sterility, Surveys.

21535-68
ISOLATION AND STRUCTURE OF GIBBERELLIN A18 FROM IMMATURE SEEDS OF LUPINUS LUTEUS.

K Koshimizu H Fukui T Kusaki Y Ogawa T Mitsui
Agr Biol Chem 32(9):1135-1140
Sep 1968 385 AG8B
Chemical reactions, Chemistry, Gibberellins, Lupine, Seeds.

21536-68
LARGE AMOUNTS OF RIBOSOMAL RNA IN COLCHICINE-INDUCED TETRAPLOIDES OF SOLANUM TUBEROSUM L.

P H Li W R Anderson
Nature 214(5083):86-87 REF
01 Apr 1967 472 N21
Biochemistry, Colchicine, Deoxyribonucleic acid, Leaves, Metabolites, Plant metabolism, Plant physiology, Polyploidy, Potatoes, Ribonucleic acid.

- 21537-68
THE SECRETION OF THE SYSTEMIC INSECTICIDES DIMETHOATE AND PHORATE INTO NECTAR.
K A Lord M A May J H Stevenson
Ann Appl Biol 61(1):19-27
Feb 1968 442.8 AN72
Apis mellifera, Beans, Biological assay, Chromatography, Dimethoate, Drosophila melanogaster, Insecticide application, Nectar, Phorate, Secretion.
- 21538-68
SEROLOGICAL DIFFERENCES BETWEEN APPARENTLY TYPICAL PEPPER AND TOMATO ISOLATES OF XANTHOMONAS VESICATORIA.
L M O'Brien D J Morton W J Manning R W Scheetz
Nature 215(5100):532-533
29 Jul 1967 472 N21
Antigens, Bacteria, Bush redpeppers (vegetable), Culture media, Injections, Rabbits, Reports, Research, Serological tests, Tomatoes, Xanthomonas vesicatoria.
- 21539-68
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