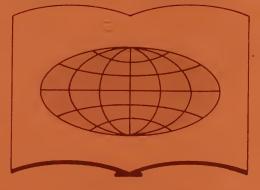
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Volume 4

July 5, 1968

Number 14

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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

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Abstract

10 14036-68

10 ENTOMOLOGY

Systematics

14019-68 A RECORD OF CANOPS FLAVIPES L (DIPT., CONOPIDAE) PARASITIZING VESPULA RUFA (L.) T S Arnold Entopel Mon Mag 103(1232-1234):70 Jan 1967 421 EN86 Conops flavipes, Parasitic insects, Vespula rufa. 14020-68 FOUR NEW SPECIES OF MCNOJOUREBTIA FROM ONE SPECIES OF RIRD (ANALGOIDEA: PROCTCPHYLLODIDAE) . W T Atyeo Kans Entomcl Soc J 40(4):458-465 Oct 1967 420 K13 Rirds, Insect taxonomy, Monojoubertia, Parasitic insects. Abstract 14021-68 TWO NEW FEATHER MITE GENERA WITH POLYMORPHIC MALES (ANALGOIDEAT PROCTOPRYLLODIDAE) -W T Atyco Kans Entoucl Soc J 40(4):465-471 Adis Filosci Soc 3 40(4):465-471 Oct 1967 420 K13 Anisophyllodes, Feathers, Insect taxonomy, Mites, Parasites, Ptyctophyllodes. Abstract 14022-68 TRE FEATHER MITE GENUS LAMINALLOPTES (PROCTOPHYLLODIDAE: ALLOFTINAE). W T Atyeo F C Peterson Kans Entomel Soc J 40 (4):447-458 Oct 1967 420 K13 Birds, Featbers, Insect taxonomy, Laminalloptes, Mites, Parasites. Abstract 14023-68 NEMOURIDAE OF ASSAM (PLECOPTERA). (FR) J Aubert Schweiz Entomol Ges Mitt 39(3/4):209-253 15 Apr 1967 420 SW6 Nemouridae. Includes n. spp. in Protonemura, Ampbinemura, and Меволга. 14024-68 ANTICIPATED CHANGES IN PHYSICAL AND BIOTIC ECOLOGICAL FAC-TORS WHICH WILL EFFECT THE PRESENT STATUS OF THE INSECT AND ANIMAL FESTS IN THE DISTRICT OF LAKE MASSER. M El S Ayynb Soc Entomol Egypte Rull 49:323-326 1966 420 EG9 Culicidae, Dams, Ecology, Egypt, Insect pests, Wildlife. 14025-68 NU2-568 SIBLING SPECIES IN THE GENUS TETRAMESA (WALKEE) (HYM., EURYTOMIDAE). R Railey Entomol Mon Mag 103(1232-1234):45-52 Jan 1967 421 EN86 Eurytomidae, Gall-making insects, Grasses, Tetramesa. 14026-68 SCHE ORSERVATIONS CN PREDATION IN AN ANYSTID MITE. W V Baker Entoucl Hon Mag 103(1232-1234):58-59 Jan 1967 421 EN86 Anystis, Insects, Predaceons mites. 14027-68 HCST DISCRIMINATION IN PSEUDEUCOILA ROCREI (HYMENOPTERA: CTHIPIDAE). K Rakker S H Ragchee W R Van Znet E Meelis Entomol Exr Appl 10 (3):295-311 1967 421 18895 Cynipidae, Drosopbila melanogaster, Parasitic insects, Pseudeucoila bochei. German summary

14028-68 WUZO-DU AEHA CARTRIDGE-TYPE ASPIHATORS. W W Rarnes J W Southwick Mosguito News 27(4):521-522 Dec 1967 421 MH5 Cnlicidae, Insect collecting equipment. 14029-68 A SPECIMEN OF AEDES TRIRAULTI COLLECTED NEAR RELLEVILLE, ONTARIO. P Relton D E French Can Entomol 99(12):1336 Dec 1967 421 C16 Aedes tbibaulti. Abstract 14030-68 THE BLACK FLIES OF JAPAN AND KOREA. (DIPTERA: SIMULI-IDAE). 01531.84. IDAD: ULSILES. W C Reatinck 23 P. TOKYO 406TH MEDICAL GENERAL LABORATORY 01 May 1955 Insect taxonomy, Simuliidae. 14031-68 MELICERIA RAFFR AND CYRTOPLECTUS NORM. (COL. PSELAPH-IDAE). (FR) C Resucbet Schweiz Entomol Ges Hitt 39(1/2):49-58 15 Sep 1966 420 SH6 Cyrtoplectus, Meliceria. Includes H. italica, n. sp. A NUMERICAL TAXONOMY OF ORTHOPTEROID INSECTS. R E Blackith R M Blackith 14032-68 R E Blackitb R M Blackith Australian J Zool 16(1):111-131 REF Feb 1968 410 AU73 The 1966 410 A073 Dermaptera, Insect taxonomy, Neuroptera, Ortboptera. Abstract: Two metbods were nsed, pbylogenetic ideas and a strictly phenetic approach. Methods were used with spec-ial problems arising in comparing higher taxa. Chiefly, Anstralian ortbopteroids were used. A total of 92 charac-ters served as a basis for the calculations. 14033-68 ON THE TWO SPECIES OF REUCHIDIUS (COLEOPTERA: REUCHIDAE) ESTABLISED IN NORTH AMERICA. L J Rottimer Can Entomol 100(2):139-145 REF Feb 1968 421 C16 Brucbidius ater, Cytisns scoparins, Host specificity, Insect rearing. 14034-68 AN IMPROVED PORTABLE RESTING STATION FOR ANOPHELES AN INFROVED PORTABLE RESTING QUADRIMACULATUS SAY. S G Rreeland J W Glasgow Mosquito News 27(1):5-9 REF Mar 1967 421 M85 Mar 1967 421 M85 Anopheles quadrimaculatns, Insect collecting eguipment. Abstract: An improved artificial resting device for Ano-pheles mosquitoes made of clotb and a wooden frame more portable and less expensive than the red box type is de-scribed. In field tests they gave consistently bigher counts of A. quadrimaculatns than connterpart red boxes when competitively compared. 14035-68 AUSD-00 NEW RECORDS FOR AEDES SPECIES IN MANITORA. R A Brnst K S Kalpage Mosgnito News 27(1):117-118 REF Har 1967 421 M85 Aedes, Insect biology.
 A. abserratus, A. triseriatus, A. decticus, and A. barri. 140.36-68 A NEW SPECIES OF MYRMECOPHILOUS COCCINELLIDAE, WITH NOTES ON OTHER HYPERASPINI (COLEOPTERA). ON OTHER HTPERASPINI (COLEVETERA). E A Chapin Psyche 73(4):278-283 Dec 1966 421 P95 Acacia, Coccinellidae, Hyperaspis acanthicola, Insect taxonomy, Myrmecophilons insects, Psendomyrmex.

1

RIELIOGEAPRY

10 14037-68 14037-66 DISTRIBUTION AND FANASITIZATION OF SOME LYGUS SPP IN WESTERN UNITED STATES AND CENTNAL MEXICO. D W Clancy J Econ Entemol 61(2):433-445 Apr 1968 421 J822 Braconidae, Leiophron palliper, Lygus, Parasitism, Zoogcography. 14038-66 TEMPORAL DISSOCIATION AND POPULATION BEGULATION IN CERTAIN HESPEHIINE EUTTERFLIES. H K Clench Ecology 48(6):1000-1006,AUTUMN REF 1967 410 EC7 Butterflies, Demography, Besperiidae, Insect ecology. 14039-68 NCIE AHOUT THE GENUS EUPTYCHIA (S.L.) (LEP.SATYRIDAE). (FH) H De Iesse Lamhillionea 66(5/6):34-39 25 Apr 1967 420 N15 Euptychia, Satyridae, Yphthimoides caliginosa. 14040-68 OBSERVATIONS ON THE STRUCTURE OF BOPPER BANDS AND MOVEMENT OF HOPPERS OF THE BED LOCUST (NOMADACRIS SEPIEMFASCIATA SERVILLE). G J W Dean Entomc1 Soc Southern Afr J 30(1):1-17 BEF Jun 1967 420 EN86 Cynodon, Dinitrocresol, Echinochloa, Insect migration, Insect outbreaks, Nomadacris septemfasciata. Abstract 14041-68 404-06 A NEW SFECIES OF ERISTALIS FROM EASTERN SLOVAKIA (DIP-TEHA, SYHFHIDAE). (GE) Z DOLezin H Hozkosng Acta Ent Hohemoslov 64(3):219-223 1967 420 C33 Eristalis stackelhergi, Syrphidae. 14042-68 BEVISION OF THE CENTRAL EUROPEAN SPECIES OF THE FAMILY STRATIONIDAE (DIFTERA) WITE SPECIAL CONSIDERATION OF THE FAUNA OF CSSE. IV. (GE) J Dusek B Forkory Acta Ent Echemoslov 64(2):140-165 1967 420 C33 Diptera, Insect taxonomy, Stratiomyidae. 14043-68 A NEW SFECIES OF SUBICATOECUS (MALLOPHAGA: A NEW SPECIES OF SUBLATOREDS (A) THICHORITIDAR) FRCK THE CONGO. K C Emerson B D Price Kans Entomel Soc J 40(4):608-609 Oct 1967 420 K13 Insect taxonomy, Mallophaga, Mongoose, Suricatoecns congoensis. 14044-68 HEDESCRIPTION AND CLASSIFICATION OF THE SCALE INSECTS OF THE FAMILY DIASPIDIDAE, OBIGINALLY DESCHIDED BY W. J. BALL FECM EGYFT. Y M Ezzat S & Afifi Soc Entomol Egypte Ball 49:367-409 BEF 1966 420 EG9 Diaspididae. 14045-68 A TEAF PASED ON VISUAL RESPONSES OF ADULT MOSQUITOES. B & Eay Hosgnito News 28(1):1-7 HEF Bar 1968 421 885 Aedes aegypti, Color, Culicidae, Insect behavior, Insect traps. Abstract: The swarming reaction of adult male Ae. aegypti in close proximity to certain colored objects had been utilized in the design of a hattery-driven soction trap that shows considerable promise as an indoor sorveillance tool. Adolt females are attracted to the trap also, ap-parently in response to the male swarm. 14046-68 CONTELEDTICE TO THE STUDY OF CURCULIONIDAE FHOM GUADELOUPE (COL.). DESCRIPTION OF TWO NEW SPECIES OF APION. (FE) # Ferragu Soc Entomol France Bnl1 72(7/8):255-258 2

Sep 1967 420 F84R Apion hustachei, Apion kissingeri, Cnrculionidae, Insect taxonomy. Includes key 14047-68 TAXONOMY OF FINAL-INSTAN LARVAE OF THE HYMENOPTEHOUS AND DIPTEBOUS PARASITES OF ACROBASIS SPP. (LEPIDOPTEBA: PEY-CITIDAE) IN THE OTTAWA HEGION. Clibac, in the offame above. T Finlayson Can Entomol 90 (12):1233-1271 NEF Dec 1967 421 C16 Acrohasis, Diptera, Bost specificity, Hymenoptera, Insect anatomy, Parasitism. Abstract 14048-68 4048-58 SOME EFFECTS OF THE BIG-HEADED ANT ON POPULATIONS OF THE PINK SUGARCANE MEALTHUG. S S Fluker E W Huddleston J W Beardsley J Econ Entomol 61(2):474-477 REF Apr 1968 421 J822 Anagyrus saccharicola, Beneficial insects, Insect populations, Parasitism, Pheidole megacephala, Saccharicoccus sacchari. 14049-68 TWO NEW SPECIES OF NOCTUIDS (LEPIDOPTEHA, NOCTUIDAE, NOCTUINAE) . J G Franclemont Entomol Soc Wash Proc 69(2):97-102 Jun 1967 420 W27 Abagrotis alampeta, Anicla cemolia, Insect taxonomy, Noctnidae. 14050-68 RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCRES ENTOMOLOGISCHES INSTITUT. 61ST CONTRIBUTION. LIST OF ALHANIAN LOCALITIES. (GE) G Friese Heitr Entomol 17 (3/4):405-434 NEP 1967 421 B392 Expeditions, Insects. English summary. 14051-68 RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCRES INSTITUT. 65TB CONTRIBUTIOR. RYMENOPTERA: G Priese W H Muche Beitr Entomol 17 (3/4):509-516 EEF 1967 421 B392 Expeditions, Insect taxonomy, Scoliidae. English snmmary. 14052-68 THE SYSTEMATIC STATUS OF SOME GENERA OF THE HELIODINIDAE/ SCBRECKENSTEINIIDAE TOGETBER WITE A HEVISION OF TRE PALEARCTIC SPECIES OF THE GENUS PANCALIA CUHTIS, 1830 (LEPIDOPTEHA). (GE) E Gaedike Beitr Entomol 17 (3/4): 363-374 1967 421 B392 Heliodinidae, Insect taxonomy, Pancalia, Schreckensteiniidae. Includes n. sp. English and Rossian snomaries. 14053-68 NOTES ON THE GENUS THECODIPLOSIS KIEFFER IN NORTH AMERICA, AND SOME GENERIC REASSIGNMENTS (DIPTERA: CECIDOMYIIDAE). H J Gagne Entomol Soc Wash Proc 69(4):338-339 Dec 1967 420 W27 Cecidomyiidae, Gall-making insects, Insect taxonomy, Thecodiplosis. 14054-68 LIODES (OREOSPHAERULA) BITIDA SEDLICAENSIS SSP. N. FROM CZECROSLOVAKIA (COLEOPTENA, LIODIDAE). (GE) J Gottwald Acta Ent Bohemoslov 64(3):232-234 1967 420 C33 Coleoptera, Liodes. 14055-68 NEW SPECIES OF ABDEICOLA CLAY, 1935 (MALLOPHAGA: Noy Entomol Soc London Proc Ser E Taxonom 36(5-6):71-78 27 Jun 1967 420 L84PE

14065-68

ArdeicoIa, Rirds, Mallopbaga. 14056-68 A SYSTEMATIC REVISION AND BIOLOGICAL REVIEW OF THE CECIDO-MYILD PERDATORS (LIPTEHA: CECICCHYILDAE) ON WORLD COC-COIDEA (HEMIFTERA:HOMCPTERA). K B Harris Hoy Entcmol Soc London Trans 119(13):401-494 Hoy Encode 300 London flats (15(15):401-454 23 Jan 1966 420 L84 Cecidomyiidae, Coccoidea, Insect biology, Nipponodiplosis, Predacecus insects, Vincentodiplosis. Includes n. gen., n. spp. 14057-68 OCCURFENCE OF TOXCRHYNCHITES RUTILUS SEPTENTRIONALIS (DYAR AND KNAE) IN INDIANA. J W Hart Mosquito News 2H(1):118 REF Мат 1968 421 M85 Cnlex pipiens, Feeding, Habitats, Insect biology, Fredaceous insects, Toxorbyncbites Intilus. 14058-68 MODIFICATION OF THE ICE WATER METHOD FOR BARVESTING ANOFBELES AND CULEX PUPAE. F T Hazard Mosguito News 27(1):115-116 REF Mar 1967 421 MB5 Culicidae, Insect collecting equipment, Papae. 14059-68 TEMPERATURE RESPONSES OF THE PERIODICAL "17-YEAR" CICADA, MAGICICADO CASSINI (BOMCPTERA, CICACIDAE). J E Heath Amer Bidland Nathr 77(1):64-76 RH Amer Eidland Nathr 77(1):64-76 REF Jan 1967 410 B56 Cicadidae, Flight, Insect bebavior, Magicicada, Ovnlation, Sex bebavior, Stridulation, Temperature. Abstract: Feriodical cicadas are basking animals and reach body temperatures exceeding air temperature. They possess bebavioral regulatory mechanisms to prevent the body temper-ature from exceeding about 32 C. They are unable to fly below 20 C. Scae activities of cicadas are temperature dependent, notably flight of males, singing and synchronized chorusing. Cther activities are relatively more indepen-dent, especially flight of females, copulation and oviposition. 14060-68 RESULTS OF THE ALFANIAN TEXFECTION 1961 OF THE DEUTSCRES ENTCHCLCGISCRES INSTITUT. 64TH CONTRIBUTION. BYMENOPTERA: TENTHBEDINGIDEA. (GE) W Hellen Reitr Ertomol 17 (3/4):477-508 REF 1967 421 E392 Expeditions, Tenthredinoidea. English sugmary 14061-68 TACHINIDAE COLLECTIONS FROM CENTRAL SWISS JURA TENT TRAPS. (GE B Herting Schweiz Entomel Ges Mitt 39(3/4):191-198 15 Apr 1967 420 S%6 Insect traps, Tacbinidae. 14062-68 SEX RATIOS OF PLATYFUS (COLECPTERA: PLATYPODIDAE). L A Betrick Entosci Soc Wash Proc 69(3):297 Sep 1967 420 #27 Forest insects, Platypns, Sex. 14063-68 RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMCLCGISCHES INSTITUT. 71ST CONTRIRUTION. COLEOPTERA: CERAMEYCIDAE. (GE) Heyrovsky Reitr Ertogol 17 (3/4):573-621 REF 1967 421 R392 Cerastycidae, Expeditions. Englisb snsmary. 14064-68 DANISH LEFIDOFTERA. QL555 .D4B6. (DA) Hoffmeyer 270 P. UNIVERSITETSFORLAGET, AARHUS 1960 Insect taxonomy, Lepidoptera.

TRE WATER MITES PARASITIC ON THE DAMSELFLY, CERCION HIEROGLYPBICUM BRAUEB. I. SYSTEMATICS AND LIFE HISTORY. T Imanura R Mitchell Annot Zool Jap 40(1):28-36 REF Mar 1967 410 AN79 Arrenurus, Riology, Cercion bieroglypbicum, Hydrachnellae, Taxonomy. Taronomy. Abstract: Arrennrns mitoensis n. sr. is described and the larvae of that species and A. agrionicolns are discnssed. Observations of parasitized bosts show that the larvae are active from May to November and thus there must be two or three life cycles completed per year. At the time of ecdysis of the damselfly bost.A. agrionicolns attach to the ventro-lateral membranes of the bost abdomen and A. mitoensis attaches on the venter near the leg bases. The latter species will also attack mature damselflies as they rest or oviposit on floating vegetation. No other species of Arrenurus is known to attack bosts after ecdysis. of Arrenurus is known to attack bosts after ecdysis. 14066-68 DIFFERENCES IN INSECT ABUNDANCE AND DIVERSITY BETWEEN WETTER AND DRIER SITES DURING A TROPICAL DRY SEASON. D B Janzen T W Schoener Ecology 49 (1):96-110 REF WINTER 1968 410 EC7 Porest insects, Babitats, Insect ecology, Insect populations, Metamorphosis, Precipitation, Predatory animals, Temperature. 14067-68 A REVISION OF TRE PAPUAN PARADOXOSOMATIDAE (DIPLOPODA, POLYDESHIDA) IN THE MUSEO CIVICO DI STORIA NATURALE AT CENOA. C A W Jeekel Tijdschr Entomol 110(11):343-379 1967 421 T21 Paradoxosomatidae. Abstract 14068-68 RESULTS OF TRE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOMOLOGISCHES INSTITUT. 69TR CONTRIBUTION. COLEOPTERA: MELOIDAE. (GE) Z Kaszab Reitr Entomol 17 (3/4):537-546 1967 421 B392 Expeditions, Meloidae. Englisb summary. 14069-68 RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTOHOLOGISCHES INSTITUT. 70TH CONTRIBUTION. COLEOPTERA: TENEERIONIDAE. (GE) Z Kaszab Beitr Entomol 17 (3/4):547-571 1967 421 R392 Expeditions, Tenebrionidae. Englisb and Russian submaries. 14070-68 AN UNDESCRIBED SPECIES OF PHYTOSEIUS FROM CALIFORNIA (ACARINA: PHYTOSEIIDAE). C E Kennett Pan-pacific Entomol 43(2):137-139 Apr 1967 421 P193 Blackberries, Insect taxonomy, Pytoseius californicus. 14071-68 ON THE GENUS RRIPIRRUCRUS BRIDWELL, WITH DESCRIPTIONS OP A NEW SPECIES AND A CLOSELY RELATED NEW GENUS (COLEOPTERA: BRUCHIDAE: RRUCHINAE). J M Kingsolver Entomol Soc Wasb Proc 69(4):318-327 Dec 1967 420 W27 Bruchidae, Insect taxonomy, Pectinibrnchus longiscutns, Rbipibruchns. 14072-68 NEW FLEAS FROM MADAGASCAR, PARACTENOPSYLLUS RANDRIANASOLOI N SP, P ALRIGNACI N SP AND DINOPSYLLUS TSARATANANAE N SP. (SIPHONAPTERA). (FR) J H Klein Soc Entomol France Rull 72 (9/10): 300-310 Nov 1967 420 F84R Nov 150, 420 Form Dinopsyllus tsaratananae, Insect taxonomy, Malagasay Republic, Paractenopsyllus albignaci, Paractenopsyllus randrianasoloi, Sipbonaptera.

RIRLIOGRAPHY

10 14073-68 14073-68 ROOFHILUS KOHLSI BOOGSTRAAL AND KAISER 1960 (ACARINA: INOLITAE). LIPE CYCLE AND MCRPHOLOGY OF LARVA. (GE G Kohler G Hoffmath Z Parasitenk 29(1):36-39 1967 442.8 Z33P Riology, Boophilus kohlsi, Ixodidae, Larvae, Morphology. English and German abstracts Abstract 10070-66 RESOLTS OF THE ALEANIAN EXPEDITION 1961 OF THE DEUTSCHES ENTCHCLCGISCHES INSTITUT. 62ND CONTRIBUTION. BIBLIOGRAPHY OF THE ALEANIAN ENTCHOLCGICAL RESEARCH. (GE) E Konigsmann Reitr Entcmol 17(3/4):435-457 1967 421 E392 Riblicgraphy, Entcmology, Expeditions. English spesary. 14075-68 STENOFOTERDS (STENORCTHRODES) COTTICUS NOV. SPEC., A NEW GRASSBOTFEF PRCH THE FLENCE ALPS (OFTHOFFERA, ACRIDIDAE). G Kruseman C A W Jeekel Entomcl Per 27(1):1-7 01 Jan 1967 420 N38E Stenotothrns cotticns. 14076-68 SAECOFTIC MANGE (SAECCPTES TAPIRI NOV. SPEC.) OF TAPIR (TAFIEUS TEBBE STEIS L.). (GE) E Kutzer W Grunberg Z Parasitenk 29(1):46-60 1967 442.8 Z33F Bange, Sarcoptes tapiri, Taxonomy, Wildlife. English and German abstracts Abstract 14077-68 INTERESTING CATCHES OF RYMENOFTERA-ACDLEATA, CHIEFLY FROM SODTHEEN LIMEORG. (DU) V L∈f∈h∈r Entomcl Ber 26(11):209-211 01 Nov 1966 420 N38E Aculeata. English summary. 14078-68 SPECIES NEW PCE THE RELGIAN PADNA. (FR) A Legrain Lambillionea 66 (5/6):33-34. (CONT.) 25 Apr 1967 420 N15 Sterra ochrata. 14079-68 CATALCE OF NEDERLANDS MACHOLEPICOPTERA. 14TH SDPPLEMENT. (DU) E J Lemrke Tijdschr Entomol 110(10):223-342 1967 421 121 Geometridae, Legidoptera, Macrolegidoptera. English snamary. Abstract 14080-68 MIGRATING LEPIDOPTERA IN 1965. (DU) E J Lempke Entosol Rer 26(11):195-203 01 Nov 1966 420 N38E Insect migration, Lepidoptera. English snewary. 14081-68 RIGHGEICS OF CERCERIS SIMPLEX GRAPRICA AT LAKE TEXONA (RYMENOFTEEA: SPRECIDAE: PHILANTHINAE). C S Lin Entomcl Soc Wash Froc 69(4):312-317 REP Dec 1567 420 %27 Cerceris simplex, Insect hiology, Insect ecology, Fredaceons insects, Sphecidae. Abstract 14082-68 NEW AND LITTLE KNOWN PALEARCTIC SPECIES OF THE GENDS SCAFHCSCHA LEACE (COL., SCAFHIDIIDAE). 18. CONTRIBUTION TO THE KNOWLEDGE OF THE SCAFHIDIIDAE. (GE) I Lohl Acta Ent Echemoslev 64(210015-111 1967 420 CE3 Scaphidiidae, Scaphosoma.

Includes S. inopinatum n. sp. 14083-68 4083-88 A COLLAPSIELE, PORTABLE VERICLE-MODNTED INSECT TRAP. V A Loy C S Earnbart A A Therrien Mosguito News 28(1):E4-E7 REP Mar 1968 421 M55 Culicidae, Insect collecting equipment, Insect traps, Vehicles. 14084-68 THE LARVA AND PUPA OF DEMEIJEREA RDPIPES (L.) (DIFT., CHRONOMIDAE) . S Maitland Entomol Hon Hag 103(1232-1234):53-57 REP Jan 1967 421 EN86 Chironomidae, Demeiderea Infipes, Insect taxonomy, Larvae, Pupae. 14085-68 PHOTOACTIC RESPONSE OF FIRST-INSTAR LARVAE OF TRE PINK ROLLWORM TO LIGET OF DIFFERENT WAVELENGTES. C L Mangum W O Ridgway J Econ Entomol 61(2):396-398 Apr 1968 421 J822 Infrared rays, Larvae, Pectinophora gossypiella, Phototropism, Ditraviolet rays. Abstract 14086-68 RESULTS OF THE ALBANTAN EXPEDITION 1961 OF THE DEDTSCHES ENTOHOLOGISCRES INSTITUT. 63RD CONTRIRUTION. DIPTERA: LIMONIIDAE. (GE) R Mannheims Reitr Entonol 17 (3/4):459-476 1967 421 E392 Expeditions, Gonomyia friesi, Insect taxonomy, Limoniidae. Includes key and a n. sp. English spanary. 14087-68 THREE SPECIES OF NOCTDIDAE NEW FOR CSSE (LEPIDOPTERA). (CZ) J Marek J Stary Acta Ent Rohemoslov 64(3):238-239 1967 420 C33 Lepidoptera, Noctnidae, Zoogeography. German summary. caradrina terrea, C. gilva, and Calophasia platyptera. 14088-68 CONTRIBUTIONS TO THE KNOWLEDGE OF THE LITROBIDES (CRILOPODA--LITHOBIDAE) OF CROATIA (YDGOSLAVIA). (PE) Z Hat:c H Teodoreann Biol Glas 19 (1-2): 1-10 REF 1966 510 Z1R Chilopoda, Taxonomy. Abstract in french and slovenian. 14089-68 MORPHOLOGY OF TRE NERVOUS SYSTEM OF TRE NOCTDID LARVAE PRODENIA LITURA PARE AND TRICHOPLDSIA NI RDRNER. L H L Hathur Indian J Entomol 29(1):25-33 REF Mar 1967 420 IN23 Caterpillars, Insect morphology, Nervons system, Prodenia litnra, Trichoplnsia ni. Abstract 14090-68 CONTRIBUTIONS TO THE KNOWLEDGE OF THE SCOLOPENDROMORPHIDAE (SCOLOPENDROMORPHA, CHILOPODA) OF CHOATIA. (FR) Z Matic Riol Glas 19:(1-2):19-26 REP 1966 510 Z1B Chilopoda, Scolopendromorphidae, Taxonomy. 10001-69 THE DISCOVERY OF LISTROPHORUS LEUCKARTI PAGENSTECRER ON MICROTDS PENNSYLVANICDS PENNSYLVANICDS FROM NORTH AMERICA (ACARINA: LISTROPHORIDAE). ABERICA (ALARIAR: LISINGFRONDADAE). B &CDaniel J P Shoemaker S J Joy Entomol Soc Wash Proc 69(4):340-343 Dec 1967 420 W27 Listrophorns lenckarti, Hites, Rodents, Taxonomy. 14092-68 DESCRIPTION'OF A NEW GENDS AND SPECIES OF TRIMENOPONIDAE PROM PANAMA (HALLOPRAGA). E Mendez Intomol Soc Wash Proc 69 (3): 287-291, MAP

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RIRLIOGRAPRY

10 14113-6R

Sep 1967 420 #27 Hoplomycphilus nativus, Insect taxonomy, Mallophaga, Rats, Trisenoronidae. 14093-68 A ZCO PCR INSECTS? SCIENTIST'S SUGGESTION. R I Metcalf Aerial Appl 5(4):9 Apr 1967 333.8 AE8 Insects, Wildlife conservation, Zoological gardens. 14054-68 FOLYREDRON SIZE AS TAXONOMIC CRITERICN FOR CYTCPIASMIC-FCLYREDROSIS VIEUS. J E Milstead J Invertebrate Fathol 9(3):446-447 Sep 1967 421 J826 Insect diseases, Folyhedroses, Taxonomy. 14095-68 DIFFERENT INEECTICN RESPONSE OF SILKWORM LARVAE TO THE LCCALITY OF CYTOPIASMIC-POLYREDROSIS VIRUS INJECTION. S Miyajima S Kawase J Invertebrate Pathol 9(3):441-442 Sep 1967 421 J826 Bcmbyx mori, Caterpillars, Insect diseases, Polyhedroses. 14096-68 SCHE ESCCOFTERA FROM PLUMAGE OF BIRDS. E L Mcckfcrd Entomic1 Soc Wash Froc 69(4):307-309 Dec 1967 420 %27 Firds, Feathers, Esocoptera. 14097-68 DESCRIPTION OF HAFEATOPOTA SCUTELLATA TOGETRER WITH REMARKS AFOUT THE GENUS RABMATOFOTA MEIG. IN CZECROSLCVAKIA (DIFTERA, TAFANIDAF). (GE) Acta Ent Robemoslov 64(3):224-231 1967 420 C33 Haematorota, Tabaridae. 14098-68 PRELIMINABY TAXONOMICAL STUDY OF THE FEMALES OF SOME SPECIES OF TRE GENUS ANDEENA OCCURRING IN EGYPT (RYMENOPTERA: AFOILEA-ANDFENIDAE). M A Mcustafa M M Ibrabim Soc Entomol Egypte Full 49:123-131 1966 420 EG9 Andrena. 14099-68 ECOLOGICAL STUDIES ON THE RESTING STAGE OF THE PINK BOLL-WORM IN EGYPT (LEFIDOFTERA: CELECBIIDAE). El S A hasr Soc Entomol Egypte Bull 49:75-78 1966 420 EG9 Insect ecology, Mcrtality, Fectinophora gcssypiella, Soil moisture, Temperature. 14100-68 CALISCEIIS BCNELLII (IATREILLE), A FUROPEAN GENUS OF ISSIDAE NEW IC TF" UNITED STATES (BOMOPTERA: FULGOBOIDEA). L E O:Rrien Fan-facific Entomol 43(2):130-133 1967 421 E193 Caliscelis benellii, Insect biology, Insect taxonomy, zoogecgraphy. 14101-68 TAXONCHY AND LISTFIBUTION OF EUROPEAN AND NEAR EASTERN SPECIES CE TRE TAFANUS ROVINUS GROUP (DIPTERA, TARAN-IDAE). (GE) N G Olsufjev J Houcha H Cavala Acta Ent Eohemoslov 64(4):303-313 1967 420 C33 Tabanus. Russian summary. include n. sp. and n. ssp. 14102-68 MACRCIEFIDOPTERA IN CENTRAL LIMBURG IN 1965. (DU) C Cttenbeijs Entomol Rer 26(11):211-212 01 Nov 1966 420 N38R Lefidcptera. English summary.

14103-68 MARKING CULEX PIPIENS LINN, LARVAE WITH VITAL DYES FOR LARVAI ECOLOGICAL STUDIES. T M Feters R I Chevone Mosquito News 28(1):24-28 REP Mar 1968 421 M85 Culex pipiens, Dyes, Insect ecology, Larvae. 14104-68 A PORTABLE MOSQUITO TRAP FOR USE WITH A RANTAM FOWL. J S Pillai P N MacNamara Mosquito News 2R (1):E7-90 REF Mar 1968 421 M85 Chickens, Culicidae, Insect collecting equipment, Insect traps. 14105-68 THE IDENTITY OF ANTRONYIA MEIANIA DUFOUR, 1839 (DIPTERA: FANNIIDAE). A C Pont Beitr Entomol 17 (3/4):325-328 1967 421 R392 Fannia melania, Insect taxonomy. 14106-68 A NEW GENUS OF THE TRACHYSPHYRUS GROUP FROM SOUTHERN BRAZIL (HYMENOPTERA, ICHNEUMONIDAE). C C Porter Psyche 74(3):218-223 1967 421 P95 Sep Ichneumonidae, Insect taxonomy. 14107-68 A NEW BORSE-FLY OF THE GENUS CHRYSOPS (DIPTERA: TABANIDAE) FROM EAST AFRICA. G Pringle Roy Entomol Soc London Proc Ser B Taxonom 36(5-6):69-70 27 Jun 1967 420 L84PR Chrysops hubbardi, Tabanidae. 10108-68 DESCRIPTIVE NOTES ON ORNITRODOROS TICKS FROM GULL NESTS ON THE PARALLON ISLANDS AND ISOLATION OF A VARIANT OF RUGHES VIRUS. FJ Radowsky D Stiller R H Johnson C M Clifford J Parasitol 53(4):F90-892 Aug 1967 44R.R JR24 Birds, Gulls, Insect taxonomy, Ornithodoros, Viruses. 14109-68 A NEW SPECIES OF PLEOTRICROPBORUS FROM BRITISE COLUMRIA (BOMOPTERA: APRIDIDAE). R Richards Can Entomol 100(2):195-197 Feb 1968 421 C16 Aphididae, Insect morphology, Pleotrichophorus. Abstract 14110-68 TWO NEW ERETHAPODITES FROM CAMEROON, APPERTAINING TO THE OEDIPODIUS GRAHAM 1909 GROUP (DIPT. CULCIDAE). (FR) A Rickenbach L Perrara J P Boufan Soc Entomol France Bull 72(9/10):297-300 Nov 1967 420 F84B Culicidae, Bremapodites caillardi, Eremapodites salauni, Insect taxonomy. 14111-68 RESULTS OF THE ALBANIAN EXPEDITION 1961 OF THE DEUTSCRES ENTOMOLOGISCHES INSTITUT. 6RTB CONTRIBUTION. RYMENOPTERA: APIDAE. III. (GENUS NOMADA SCOPOLI). (GE) M Schwarz Beitr Entonol 17 (3/4):529-535 1967 421 B392 Expeditions, Insect taxonomy, Nomada, Nomada lucidula. English summary. 14112-68 A SURVEY OF TRE INSECT PAUNA IN CERTAIN AREAS OF TRE NURIAN REGION IN U.A.R. F Shalaby M M Ibraaim M Rafez Soc Entomol Egypte Bull 49:201-205 1966 420 EG9 Insects, Surveys, Zoogeography. 14113-68 OCCURRENCE OF AEDES ABSERRATUS (FELT AND YOUNG) AND CULISETA MORSITANS (THEOBALD) IN INDIANA. R E Siverly Mosquito News 27(1):116 REF

10 14119-68

SAT 1967 021 885 edes abserratus, Culiseta morsitans, Insect ecology, Larvae. SIGNOFICS OF GHOTEA CALIFORNICA CHESSON, WITH A DESCRIPTION OF THE LARVA AND POPA. C N Slotodchikoft Fan-pacific Estonol 43(2):161-168 Apr 1567 421 F193 Grotea californica, Ichneumcnidae, Insect ecology, Insect taxcnomy, Larvae, Pupae. 14115-68 THE CZECHCSICVAKIAN SEECIES CE THE GENUS ANCYEOPHOBUS KEAATZ (COL., STAFR.). 76. CONTRIBUTION TO THE KNOWLEDGE OF THE STAFBYLINICAE. (GE) A Smetana Acta Ent Hohemoslev 64(5):383-391 1967 420 C33 Ancyrcphorus, Insect taxonomy, Staphylinidae. Includes A. tatricus and A. rivnlaris, n. spp., key. 14116-68 UOLICHOBOTES NAVEL, A NEW GENUS AND NEW SPECIES OF PYEMCTIC FATE (ACAGINA: PYEMOYICAE). E L Smiley Entomel See Wash Proc 69(4):334-337 Dec 1967 420 427 Dolichomotes navei, Insect taxonomy, Sites, Pyemotidae, 14117-68 TEE BIOLOGY AND TAXONUMY OF THE GENUS STYLOGASTEE MACQUART, 1835 (DIFTERA: CONOPIDAE, STYLOGASTERINAE) IN THE FIELOPIAN AND MALAGASY REGIONS. R G V Swith Roy Entemol See Lendon Trans 119(2):47-69 BEP 27 Jun 1967 420 L04 Stylogaster. 14118-68 A LIST CE MISSOUBI MCSQUITOES. L W Smith W B Enns Mosquite News 28(1):50 REF Mar 1968 421 M85 Colician Missouri Cnlicidae, Bissouri. 14119-68 STRUCTURE OF THE LAHELLAR CHEMORECEPTORS OF THE HOUSE PLY, MUSCA UCBESTICA VICINA (L.) (DIFTERA: MUSCIDAE). S A Scliman Soc Entomol Egypte Bull 49:233-241 REF 1966 420 EG9 Chemoreceptors, Insect anatomy, Nouth, Susca domestica. 14120-68 INCIDENTAL CAFTURE OF VERTEERATE WILDLIPE IN RLACKLIGHT INSECI TRAFS. P A Stewart E L Rart Amer Bidland Nathr 78(1):235-240 BEP Jul 1967 410 558 Amer Billand wathr Jolf):253-240 HEr Jul 1967 410 858 Bats, Birds, Eluorescent lamps, Frogs, Insect traps, Light traps, Verterates, Wildlife conservation. Abstract: Elnorescent blacklight traps, a promising method for aiding in control of some insect pests, cansed limited mortality of wildlife when a study was made in North Carolina and Virginia of their effectiveness for control-ling totacco insects. This loss of wildlife might be re-duced because traps are customarily placed near hman homes to allow easy access to electric power, and thus home occn-pants can easily give the traps regular attention. Under such circumstances, loss of birds should he negligible. Re-canse pcople generally have little interest in conserving hats, the limited loss of bats cannot readily be controlled. Bat mortality can be restricted by delaying operation of the traps until after 1 June. Capture of the tree frogs appeared to be fortuitous event. 14121-68 A NEW SURGENUS POF LEUCOPIS LUTEICORNIS MAILOCH, A PRECATOE CN MEALYEUGS IN INCIA (UIPTERA: CHAMAEMYIIDAE). G C Steyskal Entomcl Soc Wash Froc 69(3):275-276 Sep 1967 420 W27 Leucopis (Indioleucopis), Predaceons insects, Psendococcidae. 14122-68 THREE SPECIES OF CPILTONES FROM NEPAL. S Snznki Annot Zool Jap 40 (2):115-122 REF Jun 1967 410 AN79 6

Phalangida, Taxonowy. Abstract: The present paper deals with the taxonomy of 3 opilionids belonging to the subfam. Gagrellinae of the fam. Leiohnnidae, Eupnoi from Nepal, including 2 new species, Verpulus kanoi n. sp. and Adungrella atrorubra n. sp. 14123-68 NEW PLANT LOUSE SPECIES (HOMOPTERA: APHIUIDAE) FROM NEW PLANT LOOSE State HUNGARY. (GE) H Szelegiewicz Acta Zool (budapest) 13(3-4):433-444 1967 410 AC85 Aphididae, Insect taxonomy, Semiaphis horvathi. 14 12 4-68 THE ECOLOGY OF COLU HARDINESS IN ULEPERENT POPULATIONS OF THE HLACK CURRANT GALL MITE, CECIDOPHYOPSIS RIHIS. G Taksdal Entomol Exp Appl 10(3):377-386 1967 421 EN895 Cecidophyes ribis, Cold, Currants, Insect ecology, Mortality, Ovulation, Zoogeography. German summary Abstract 14125-68 STUDIES ON THE MORPHOLOGY AND RELATIONSHIPS OF MALE APICMORPHA AND OFISTHOSCELIS (HEMIPTERA: COCCOIDEA). J G Theron Australian J Zool 16(1):87-99 REP Peb 1968 410 AU73 Feb 1968 410 AU/3 Apiomotpha, Coccoidea, Insect morphology, Opisthoscelis. Abstract: The males of these genera differ in structure of their abdomens. Roth belong to the lecanoid group of the coccoidea.They show some affinity with eriococcidae, esp-ecially in structure of genitalia. 14126-68 THREE NEW SPECIES OF TETRANYCHOID MITES (ACAHINA: TETRANYCRIDAE AND TENUIPALPIDAE) PHOM MISSOURI. S E Theyke Kans Entomol Soc J 40(4):583-595 Oct 1967 420 K13 Reerella petiolaris, Brevipalpus, Insect taxonomy, Tenuipalpidae, Tetranychidae. Abstract 14127-68 1127-68 SOYREAN CYST NEMATODE. PROPOSED QUARANTINE IN INUIANA, PLORIDA, AND LOUISIANA. Ped Regist 33(58):4927-4928 23 Mar 1968 L1.451 Agricultural products, Reterodera glycines, Interstate commerce, Quarantine, Soils, Soybeans. 14128-68 JAPANESE REETLE. PHOPOSED QUARANTINE IN ALAHAMA ANU CERTAIN OTHER STATES. Ped Regist 33(58):4927 23 Mar 1968 L1.451 Composts, Interstate commerce, Popillia japonica, Quarantine, Hoots, Soils. 14129-68 GYPSY MOTE AND RROWN-TAIL MOTH. PROPOSED QUARANTINE IN PENSYLVANIA. Ped Regist 33(58):4926-4927 23 Mar 1968 L1.451 Interstate commerce, Nygmia phaeorrhoea, Porthetria dispar, Qnarantine, Shrubs, Timber, Trees. 14130-68 CEREAL LEAF HEETLE. PROPOSED QUAHANTINE IN ILLINOIS AND CERTAIN OTHER STATES. Ped Regist 33(58):4926 23 Mar 1968 L1.451 Corn, Grain, Grasses, Interstate commerce, Oulema melanopa, Quarantine. 14131-68 ON THE THERAPHOSID SPIDEE, CHILOERACHYS ANDERSONI, PROM TRAILAND. (JA) T Uyemura Acta Arachnologica 20(2):37-45 HEF 20 Mar 1967 434 & AC8 Anatomy, Chilobrachys, Spiders, Stridnlation. English abstract. family Selenocosminae; description and habits are included. Abstract: The spiders were Chilohrachys andersoni, sub-

ADDITIONAL DATA CN SCME GENERA AND SFECIES OF ACRIDIDAE (CRTHCPIEBA, ACGICCIDEA) ERCM THE INDO-MALAYAN REGION. Willerse Tijdschr Entonol 110(12):381-397 REE 1967 421 121 Acrididae. Abstract 14133-68 ADDITIONS TO THE TIST OF AFEES SPECIES IN PENNSYLVANIA. W wills V &celhattan Mosguitc News 28(1):108-109 REE Mar 1968 421 885 Aedes, Culicidae, Fennsylvania, Zoogeography. 14134-68 NEW RECCEDS AND A NEW SPECIES CE MESONYSSUS (MESOSTIGMATA: REINONYSSIDAE) ERCM PAFROTS (PSITTACIPORMES: PSITTACIDAE). N Wilser J Farasitcl 54(2):395-401 Apr 1968 448.8 3824 Mesonyssus, Mesonyssus chalcopsittae, Parrets, Taxonomy. 14135-68 IXODES DENERCIAGI (METASTIGMATA, IXODIDAE), A NEW SPECIES CE TICK EFCH IFEE KANGAROOS (MARSUPIALIA, MACROPODIDAE) TN NEW GUTNEA. Wilsor J Farasitcl 53(4): 847-851 Aug 1967 448.8 J824 Insect taxonomy, Ixodes dendrolagi, Ixodidae, Kangaroos, Wildlife. Abstract 14136-88 RESULTS OF THE ALRANIAN EXPEDITION 1961 OF TRE DEUTSCRES ENTCMCLCGISCRES INSTITUT. 671R CONTRIBUTION. RYMENOPTERA: FCMFILIDAE AND CEEOPAIIDAE. (GE) H Wolf Beitr Ertcmcl 17(3/4):521-527 1967 421 E392 Ceropalidae, Expeditions, Pompilidae. English summary. 14137-68 WESTEEN MEDITEREANEAN SPECIES OF THE GENUS ANOSPILUS RAUFI 1929 (HYM. FCMFILIDAE). (GE) H Wolf n woll Schweiz Entomol Ges Mitt 39(1/2):1-32 15 Ser 1966 420 Sk6 Anosrilus. Includes Meganosrilus, Lannganosrilus, and Remianosrilus, n. subgen., as well as n. srr. and n. ssr.; keys. 14138-68 NEW RECORDS OF TWO CURCULIONID EFETLES IN NORTH CARCIINA. E I Wray Entomcl News (rhiladelphia) 7R(9):226-227 Nov 1967 421 EN88 Curculicnidae, Gymnetron antirrhini, Rylotins pinicola. 14139-68 IRREE NEW SEICERS (ARGICPE, ROETHUS AND CISPIUS) EROM JAFAN. (JA) T Yaginnma Acta Arachnologica 20(2):50-64 REF 20 Mar 1967 434.8 AC8 Morphology, Spiders, Taxonomy. English and Japanese abstracts. 14140-68 EUTOGENES FUNCTATA N SF (ACAEINA: CHEYLETIDAE). M A Zaher 2 E Scliman Soc Estemol Egypte Enll 49:65-66 1966 420 EG9 Eutogenes gunctata, Phoenix dactylifera. 14141-68 OLICGCNYCRUS VITIS N. SF. (ACAFINA: TETRANYCHIDAE). M A Zaher K K Shehata Soc Entemol Egypte Rull 49:67-69 1966 420 EG9 Grapes, Oliogonychus vitis.

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Physiology and Biochemistry

14142-68 MOSQUITOMEN TALK EQUIPMENT, METHODS, AND PROBLEMS AT NEW ORLEANS SESSION. Pest Contr 36(5):56-58,60,62-63 May 1968 449.8 EX8 Aerial spraying, Culicidae, Helicopters, Insect control. 14143-68 HONEY REE VISIT NUMBERS AND WATERMELON POLLINATION. W C Adlerz J Econ Entomol 59(1):28-30 Feb 1966 421 J822 Apis mellifera, Watermelon. 14144-68 RIOLOGY AND ECOLOGY OF TICKS (IXODOIDEA) FROM THE IVORY COAST. (PR) A Aeschlimann Acta Trop 24 (4):281-405 REF 1967 475 AC8 Insect ecology, Ixodoidea, Parasitism, English and German summaries Ahstract 14145-6R FEEDING RY RETICULITERMES SPP ON RADIATION-PROCESSED WOOD-PLASTIC COMBINATIONS. C E Affeltranger J Econ Entomol 61(2):398-401 Apr 1968 421 J822 Feeding, Methacrylate, Methacrylic acid, Modified wood, Reticulitermes flavipes. Abstract 14146-68 TRE EVOLUTION OF GENITALIA AND MATING RERAVIOR IN CRICKETS (GRYLLIDAE) AND OTHER ORTROPTERA. R D Alexander D Otte Mich Univ Mus Zool Misc Puhl 133,62 P. REF 17 Nov 1967 410.9 M58M Gryllidae, Insect evolution, Orthoptera, Reproductive organs, Sex Lehavior. 14147-68 INDIVIDUALLY HUMIDIFIED CLOSED PLASTIC CAGES FOR REARING ANOPHELINE MCSQUITOES. N E Alger Mosguito News 2R(1):121-122 Mar 1968 421 MR5 Anopheles, Humidity, Insect cages, Insect rearing equipment. 14148-68 PROCEDURE USED TO RECOVER A SEX ATTRACTANT FOR THE MALE TO-RACCC ROBNWORM. N Allen W S Kibard M Jacobson J Econ Entomol 55(3):347-351 Jun 1962 421 J822 Insect collecting equipment, Larvae, Mandnca quinguemaculata, Sex attractants. 14149-6R EFFECT OF DESICCATION ON THE LIGET REACTIONS OF CARPOPHILUS DIMIDIATUS AND TRIBOLIUM CASTANEUM. T G Amos F L Waterhouse Entomol Exp Appl 10(3):329-336 1967 421 EN895 Carpophilus dimidiatus, Drying, Humidity, Light, Tribolinm castanenm. French summary Abstract 14150-68 EFFECTS ON TRREE SPECIES OF GRAIN APRIDS (HOHOPTERA: APRIDIDAE) REARED ON WREAT, OATS OR RARLEY AND TRANSFERRED AS ACULTS TO WREAT, OATS OR RARLEY. J U Apablaza A G Robinson Entomol Exp Appl 10(3):358-362 1967 421 EN895 Barley, Grain, Insect rearing, Macrosiphum avenae, Oats,

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10 14151-68 Rhoralosirhum maidis, Schizarhis graminum, Wheat. French sussary Abstract 14151-68 ACARICICAL AGENTS. PATENT 3,378,437. H Arndt W Steinhausen Us Fatent Cffice Cffic Gaz 849(3):782 16 Apr 1968 156.65 CF2 Acaricides, Ratents, Plant pest control, Toluidine compounds. STEMPELLIA MAGNA (KUCO) (NOSEMATIDAE: MICECSPCEIDIA) IN CULEX BESTUANS THECHALD FROM VIEGINIA. C L Bailey W & Barnes R W Dewey Bosgnitc News 27(1):111-114 REF Bar 1967 421 885 Bar Culex restuans, Insect diseases, Larvae, Nosematidae, Stempellia magna. 14153-68 POSSIFLE MIMICRY FETWEEN CERTAIN CARABIDAE AND CREVSCHELICAE. Calebalstaugh Celeoit Eull 21(4):135-140 Dec 1567 421 C674 Carabidae, Cbrysomelidae, Himicry. 14154-68 REPROLUCTIVE CAFACITY OF TWC STRAINS OF CRYFTOLESTES TUR-CICUS (CCIECPTERA: CUCUJIDAE). F S Earker J A Jchnston Can Eptcmcl 100(2):198-199 Feb 1566 421 C16 Cryptclestes turcicns, Methyl hromide, Oviposition, Farasitism, Reproduction. Abstract 14155-68 OUTBEFARS OF INC-SPOTTED SPIDER-HITES AND COTTON AREIDS PCLLCWING FESTICILE TREATMENT. I. REST STINULATION VS NATURAL ENEMY DESTRUCTION AS THE CAUSE OF OUTBREAKS. B R Bartlett J Econ Entonol 61(1):297-303 REE Feb 1968 421 J822 Aphis gessyfi, Beneficial insects, Chemical control (insects), Insect outbreaks, Insecticides, Natural control (insects), Tetranychus nrticae. Abstract 14156-68 RIREBRATICN SITE AND DISRERSAL OF SPROCE RODWORN LARVAE AS RELATED TO DAMAGE OF SAPLING BALSAN PIF. B O Batz∈r J Econ Entcmol 61(1):216-220 REF Peb 1968 421 J822 Abies balsamea, Choristonenra fimiferana, Porest insects, Bibernation, Insect dissemination. Abstract 14157-68 THE EFFECT OF ILLUMINATION AND FOOL RRIGHTNESS ON OVIPOSITICN BY CULEY RESTUANS (THEO.) IN THE FIELD. P Belton Mosguitc News 27(1):66-68 REP Mar 1567 421 #85 Color, Cnlex restnans, Insect bebavior, Light, Ovulation, Fhototrcpism. Foototropies. Abstract: Artificial pools in a natural woo'dland environ-ment received more than three times as many egg rafts of C. restnans when lined with hlack as opposed to translucent polyethylene film. Illnmination at night of either type of pool with an intensity similar to that received during the day prevented oviposition. 14158-68 INSECTICIDE RESISTANCE OF GERMAN COCKROACRES FROM VARIOUS ABEAS OF ICUISIANA. G W Bennett W T Spink J Eccn Entcmol 61(2):426-431 REF Apr 1968 421 J822 Rlattella germanica, Cblordane, Diazinon, Penthion, Insecticide resistant insects, Iscpropoxyphenyl metbylcarhamate, o-, Malathion. Abstract 14159-68 OBIEBIATION RERAVIOUR IN INSECTS AND FACTORS WRICH INFLUERCE II. G Rirnkew 8

Roy Entomol Soc London Symp 3: 1-12 REF 1966 420 R81 Insect flight, Reviews. 14160-68 NOTES ON THE FEMALE RERRODUCTIVE SYSTEM OF THE SOUTH APRICAN CITRUS RSYLLA, TRIOZA ERYTREAE (DEL GUERCIO) (HOMORTERAI PSYLLIDAE). J R Rlowers V C Moran Entomol Soc Sonthern Afr J 30(1):75-81 REP Jun 1967 420 EN86 Citrns, Insect morphology, Psyllidae, Reproductive organs, Trioza erytreae. Abstract 14161-68 FATTY ACIDS IN THE BOLL WEEVIL. M S Blum Entomol Soc Amer Ann 56(5):612-616, 11 REPS., 3 TARS. Sep 1963 420 EN82 Anthonomns grandis, Fatty acids. 18162-68 CHANGES IN TEMPERATURE TOLERANCE WITH ADULT AGE IN TENE-RRIO MOLITER. K Bowler Entomol Exp Appl 10(1):16-22 REP 1967 421 EN895 Insect mortality, Temperature, Temehrio molitor. 14163-68 THE RESRONSE OF THE LARELLAR TASTE RECERTORS OF DDT-RESISTANT AND NON-RESISTANT ROUSEPLIES (MUSCA DOMESTICA) TO DDT. L B Browne R W Kerr Entomol Exp Appl 10(3):337-346 1967 421 ER895 Chemoreceptors, DDT, Insecticide resistant insects, Musca domestica, Sense organs. German summary Abstract 14164-68 A REARING METROD FOR AEDES ABSERRATUS (F. AND Y.). R A Brust K S Kalpage Mosquito News 27 (1):117 BEP Mar 1967 421 865 Aedes abserratns, Insect biology, Insect rearing, Temperature. 14165-68 MOTHREOOPING INVESTIGATIONS WITH BARTREIR AND DIMETRRIN. R E Rry L L McDonald J E Lang J Econ Entomol 59(5):1108-1110 Oct 1966 421 J822 Rarthrin, Dimethrin, Mothproofing. 14166-68 WARBLE PLY LARVAE CONTROL STUDY. T D Enrgess W C Allan A J Mozier Entomol Soc Ontario Rroc 97:117-120 1966 420 0N8 Conmaphos, Penthion, Rypoderma, Insecticides, Larvicides, Trichlorfon. 14167-68 A NEW ROLYEMBRYONIC RARASITE OF THE REPREE MOTE (RYME-NORTERA: ERCYSTIDAE). R D Rnrks Entomol Soc Wash Proc 69(1):53-55 28 Mar 1967 420 W27 Copidosoma capsienm, Gnorimoschema capsieum. 14168-68 GARDEN ANTS, LASIUS RIGER L., RUILDING SRELTERS POR ARRIDS. J F Enrton Entomol Rec J Variation 79(6):179 Jnn 1967 421 EW89 Aphididae, Pormicidae, Insect hehavior, Lasins niger, Maculolachnns snbmacula. 14169-68 A SEX ATTRACTANT ACTING AS AN ARREODISIAC IN THE HOREYHEE (APIS MELLIPERA L.). C G Rntler Roy Entomol Soc London Rroc Ser A Gen Entomol 42(4):71-76 27 Jnn 1967 420 L84RA Apis mellifera, Oxodecenoic acid, 9-, Sex attractants, Sex behavior. Abstract

BIBLIOGRAPRY

10 14187-68

14170-68 LOUITSTANA LAR TAKES INTENSIVE LOOK AT PARASITES FOR MOSOUITO CCNIECI. H C Charman T B Clark J J Petersen D B Woodard Pest Contr 36(5):64,66,68,71-73 May 1966 449 6 EXP Biological centrol (insects), Coelomomyces, Culicidae, Insecticides, Mosquito iridéscent virns, Nematodes, Parasitic irsects, Parasitism, Frotozoa. 14171-68 NEMATCHE FABASITES OF CULICIDAE AND CRAOBORIDAE IN LCUISIANA. R C Charman D E Wcodard J J Fetersen Mosgnite Aews 27 (4):490-492 BFF Dec 1967 421 H85 Chaohoridae, Corethrella trakeleyi, Culicidae, Insect diseases, Nematodes, Farasitism. NT/2-66 NFW RECERDS OF PAFASITES OF CERATOFOGONIDAE. B C Charman J J Fetersen D F Wocdard T B Clark Mosgnitc News 28(1):122-123 RFF Mar 1566 421 M85 Correspondent 14172-68 Mar 1566 421 M85 Ceratopogonidae, Insect diseases, Mermithidae, Nematodes, Nosematidae, Farasitism, Protozoa, Viruses. 14173-68 CCMFABISON OF TWO ARTIFICIAL DIFTS FOR REARING RELIOTHIS ZEA LARVAE ECE INSECTICIDE TESTS. A E Chanthani F L Adkisson J ECCD Entcmcl 5B(6): 1163-1164 Dec 1965 421 J822 Reliothis zea, Insect nutrition, Insect rearing. 14174-68 STEMPELITA MAGNA IN THE THEE HOLE MOSOBITO, AEDES SIEFFFNSIS. T E Clark T Fukuda J Invertetrate Fathol 9(3):430-431 Sep 1967 421 J826 Aedes sierrensis, Culicidae, Insect diseases, Stempellia magna. Abstract 14175-68 SCME EABLY EFFECTS CF IONIZING RADIATION ON THE GERMAN COCKECACH, FIATELLA GEBMANICA. D G Ccchran Entomel Soc Amer Ann 56(3):256-261, 22 REFS., 3 TABS. May 1963 420 EN82 Blattella germanica, Icnizing radiation scattering. 14176-68 SUPPLEMENTARY OFSERVATIONS OF THE EARLY DEVELOPMENTAL STAGES OF ALFIA CAERULFA (ACARINA: AXONOPSIDAF). R M Crowell Can Entcac1 100(2):178-180 Feh 1968 421 C16 Alhia caernlea, Insect morphology, Larvae, Ovipositors. Ahstract 14177-68 PENETRATION OF THE TARYNA VIRUS TO VARIOUS ORGANS OF THE AEDES VEXANS MCSQUITO. V Danielova Polia Parasitcl 15:87-91 REE 1968 436.8 C33 Addes vexans, Arboviruses, Gastrointestinal system, Insect histology, Insect physiology, Reproductive organs, Salivary glands, Tahyna virus. Salivary glands, Tahyna virus. Ahstract: The virus was recorded in all examined organs: oesophagns with dcrsal and ventral diverticles, ventriculus with intestine, lymph salivary glands, ovaries, Malpighian thhules and ganglia. The highest amount of virus was de-tected in ventriculus with intestine, the lowest in the Malpighian turules. 14178-68 TRE STRUCTURE AND SECRETION OF TRE SPERMATRECA OF ERCONIUS FROLIXUS STAL: A HISTOCREMICAL STUDY. K G Davey G F Webster Can J Zcol 45(5):653-657 Sep 1967 470 C16D Reproductive organs, Rhodnins prolixns, Secretion. Abstract

14179-68 RELEASES OF STERILE SCREW-WORM FLIES IN NORTRERN VERACRUZ, MEXICO, MEASURED FY RECOVERY OF STERILE EGG MASSES. R B Davis B G Hightower D A Alley J E Turner E Lopez J Econ Entomol 61(1):96-101,MAP Peb 1968 421 J822 Aerial pest control, Riological control (insects), Cochliomyia hominivorax, Insect eggs, Sterility. Ahstract 14 180-68 ISOLATION OF CERAMIDE PHOSPHORYLETHANOLAMINE FROM THE BLOWFLY CALLIPROBA FRYTRROCEPHALA. R M C Dawson P Kemp R of Coasson Free Biochem J 106 (1):319-320 REF Jan 1966 382 R52 Biochemistry, Calliphora vicina, Ceramide phosphorylethanolamine, Phospholipids. 14181-68 WINTER SURVIVAL AND OVERWINTERING AREA OF THE POTATO LEAF-RCFPER. G C Decker H R Cunningham J Econ Entomol 61(1):154-161, MAP REF Feh 196B 421 J822 Empoasca fabae, Hibernation, Insect populations, Mortality, Statistical analysis, Temperature, Zoogeography. Abstract: data are presented which correlate the decline and eventual elimination of potato leafhopper populations with the decline of mean temperatures in the fall. winter survival is limited to portions of the Gulf Coast area. 14182-68 THE INFLUENCE OF SOIL MOISTURE AND SOME SOIL PHYSICAL FACTORS ON THE OVIFOSITIONAL REHAVIOR OF THE PRAIRIE GRAIN WIREWORM, CTENICERA DESTRUCTOR. J F Doane Entomol Exp Appl 10(3):275-286 1967 421 EN895 Ctenicera aerifennis destructor, Insect hehavior, Ovulation, Soil moisture, Soil properties. German snmmary Abstract 14183-68 NOTES ON SPIDER PARASITES, INCLUDING A REFERENCE LIST. R R Eason W E Peck W R Whitcomh Rans Entomol Soc J 40(3):422-434 REF Jnl 1967 420 K13 Diptera, Rymenoptera, Parasitic insects, Spiders. Abstract Ahstract 14184-6B TRE FEDDING RABITS OF ADULTS OF CRRYSOPA CALIFORNICA COQUILLETT (NEUROPTERA: CRRYSOPIDAE). E A Elhadry C A Eleschner Soc Entomol Egypte Ball 49:359-366 REF 1966 420 EG9 Chrysopa californica, Insect hebavior, Insect nutrition, Predaceous insects. 14185-68 DISSOLUTION OF THE TOXIC PARASPORAL CRYSTALS FROM RACILLUS THURINGIENSIS WAR PACIFICUS RY THE GUT SECRETIONS OF TRE SILKWORM, ROMBYX MORI. R M Fanst J R Adams A M Heimpel J Invertehrate Pathol 9(4):486-499 REF Dec 1967 421 J826 Racillus thuringiensis, Bombyx mori, Caterpillars, Intestines, Secretions, Toxins. Abstract 14186-68 THE EFFECT OF GAS VELOCITY ON THE ARSORPTION OF FUMIGANT NICOTINE RY MUSCA DOMESTICA (L.). D J Gallev J Stored Prod Res 3(3):213-222 Oct 1967 421 J829 Absorption (hiological), Fnmigants, Gases, Mnsca domestica, Nicotine, Velocity. Abstract 14187-68 EFFECTS OF PHLOEM TEMPERATURE AND MOISTURE CONTENT OF THE SOUTHERN PINE REETLE. G C Gapmer R I Gara Boyce Thompson Inst Contrih 23(11):373-377 REF Jul 1967 451 B69 Dendroctonus frontalis, Humidity, Insect ecology, Phloem,

RIBLIOGRAPHY

10 14188-68 Pinus taeda, Scolytidae, Temperature. Abstract: fhice scisture content and temperature regimes necessary to produce vigorous southern pine beetle broods were determined. Ecvelopment of beetles was measured by pupal weight, time to adult emergence and matio of increase. 1418B-68 IMAGINAL CHILS OF THE CLYFEUS-TAFRUM AND THE DEVELOPMENT OF FROECSCIS IN DECSCHILM MELANGGASTER. (GE) Gebring S Scippel Rev Suisse Zccl 47(3):589-613 Dec 1967 410 £324 Drosophila melanogaster. English summary. 14169-66 INSEMINATION WITHOUT SPERMATOFHORES IN THE ORIENTAL PRUIT INSEMINATION WITHOUT SPERMATOFHORES IN THE ORIENTAL PRUIT MCTH, GRAFHCLITHA MOLESTA (IFFILCFTERA: TCRTRICIDAE). J A George E G Howard Can Fricaci 100(2):190-192 Eab 1966 421 C16 Graphclitha molesta, Insect morphology, Insemination, Ovipositors, Spermatophores. Abstract 14150-68 A FOSSIELE MECHANISM FOR TRE REGULATION OF THE PEMALE REPRO-DUCTIVE CYCLE IN TENEERIO ECLITCE (CCLEOPTERA: TENERBI-CNIDAE) . G A Gerter Can Ertomol 99(12):1298-1303 FEE Dec 1967 421 C16 Nervons system, Reproduction, Tenebrio molitor. Abstract 14191-68 A METBOD OF FROVIDING ARTIFICIAL DIETS TO CHRYSOPA LARVAE. K S Hagen & L Tassan J Eccn Entorol 58(5):999-1000 Cct 1965 421 J822 Diet, Larvae, Synthetic diets. 14192-68 STUDIES ON MICECPLITIS RUPIVENTEIS KOK. 1. (HYMENGPTERA: STUDIES OF DALLEY ERACCHICKE). S & Hammad A & El-Binshawy A Salama Soc Enterel Egypte Eull 49:215-219 1966 420 EG9 Microplitis rufiventris, Parasitic insects, Prodenia litnra, Spodoptera exigua, Spodoptera latebrosa. 14193-68 SUTAEILITY OF ANAITIS FLAGIATA (GECMETRIDAE) PCR BIO-CCNTRCL CE HYFEFICON FERFORATON IN DRY GRASSLAND OF EBITISB CCLUMEIA. F Harris Can Entcaol 95(12):1304-1310 REE Dec 1967 421 C16 Anaitis plagiata, Biological cortrol (weeds), Bost specificity, Bypericum perforatum. Abstract 14194-68 THE EFFECT OF EACILLUS THURINGIENSIS BERLINER ON DROSO-PHILA RELANCGASTER MEIGEN. I L Harvey E E Bowell J Invertebrate Fathol 5(4):495-497 Dec 1963 421 J826 Drosophila #elanogaster, Insect diseases, Bicroorganisms, 14 195-68 RIBOSCHE AGGREGATES OF THE MIDGUT OF SILKWORH, BONBYX MCEI I. Y Bayashi Can J Biocbem 46(1):117-119 REP Jan 1968 470 C16E San 1966 470 Clos Biochemistry, Bombyx mori, Cells, Insect physiology, Intestines, Larvae, Ribonnclease, Ribosomes, Trypsin. Abstract: Results suggest ribosomal assemblage may be stabilized by protein or peptide synthesized on the ribcscnes. 14196-68 THE SUCCESSFUL INDUCED COPULATION OF CULISETA MPLANDRA (CCCUILIETT) . D E Bayes Bosgnitc News 28(1):109-110 EEP Mar 1968 421 M85 Culiseta melannra, Feeding, Insect rearing, Reproduction.

14197-6B A TAXONOMIC KEY PROPOSED FOR THE SPECIES OF THE "CRYSTALLIPEROUS BACTERIA". A M Reimpel J Invertebrate Pathol 9(3):364-375 REP Sep 1967 421 J826 Bacillns tburingiensis, Bacteria, Insect diseases, Taxonomy. Chiefly B. thuringiensis varieties Abstract 14198-68 STRUCTURE AND PHOTPCTIVE DEVICES OF TRE EGG OF TRE MOSQUITO CULEX PIPIENS. H E Hinton J Insect PhysioI 14(2):145-161 REF Feb 1968 421 J825 Culer pipiens, Eggs, Insect protective devices. Abstract 14199-68 OBSERVATIONS ON THE CULICIDAE OF A GARDER POND IN RIHIMAKI. 8 Birvenoja Snomen Byonteistieteellinen Aikakanskir Ann Entomol Penn 33(3):211-212 02 Nov 1967 421 SU7 Aguatic insects, Cnlex, Cnliceta, Insect behavior. 14200-68 STUDIES ON SOUTHEAST ASIAN BAEMAPHYSALIS TICKS (IXODOIDEA: IXODIDAE). B. (KAISERIANA) LUZONENSIS SP. N. PROM PRILIPPINE CEER ARD BOARS. H Boogstraal D W Parrish J Parasitol 54 (2):402-410 REP Apr 1968 448.8 J824 Boars, Deer, Ecology, Baemapbysalis luzonensis, Ixodidae, Taxonomy. 14201-68 THE EGGS AND OVIPOSITION SITES OF RYALIODES VITEIPENNIS ON APPLE TREES (MIRIDAE: REMITTERA). R L BOTSDUTGH D ASGNITH Can Entomol 100(2):199-201 Peb 1968 421 C16 Ryaliodes vitripennis, Ovipositors, Panonychus ulmi, Predaceous insects, Tetranychus urticae. Abstract 14202-68 THE BOLE OF NUTRITIONAL PACTORS IN FOOD SELECTION AND PREF-ERENCE AS RELATED TO LARVAL NUTRITION OF AN INSECT, ESED-DOSARCOPHAGA APEINIS (DIPTERA, SARCOPRAGIDAE), ON SYN-THETIC DIETS. R L Bonse Can Entomol 99(12):1310-1321 REF Dec 1967 421 C16 Experimental insects, Insect nutrition, Psendosarcophaga affinis, Synthetic diets. Abstract 14203-68 ACUSTO TRE EFFECTS OF HORMONES ON THE IRTESTIRAL PROTEINASE ACTIVITY OF ADULT PYERBOCORIS AFTEHUS L. (BEMIPTEBA). R BRubesova K Slama Acta Ent Bohemoslov 64(3):175-183 1967 420 C33 Corpora cardiaca, Hemiptera, Bormones, Intestines, Proteinases, Pyrrbocoris arterns. 10200-68 EPIZOOTICS AMONG POPULATIONS OF THE VELLOW MEALWORM, TENERBIO MOLITOR. A B Bnger J Invertebrate Pathol 9(4):572-574 Dec 1967 421 J826 Epizootic diseases, "Insect diseases, Tenebrio molitor. 14205-68 THE BEHAVIOUR OF FLEAS (SIPHONAPTERA) WITHIN THE COCCON. D A Bumpbries Roy Entomol Soc London Proc Ser A Gen Entomol 42(4):62-70 REF 27 Jun 1967 420 1849A Ceratophyllns, Ctenocephalides, Insect behavior, Pupae, Siphonaptera. Abstract 14206-68 FURTHEE INVESTIGATIONS INTO THE BIOLOGY OF AIOLOFUS TRALAS-SINUS F. (ORTROPTERA: ACRIDIIDAE). M M Litahim

10 14224-68

Soc Ertcmcl Egypte Bull 49:415-422 1966 420 EG9 Aiclogus thalassinus, Climate. 14207-68 1207-66 LAECAATCRY AND FIFLE CAGE TESTS WITH BACILLUS THUGINGIENSIS AGAINST PINK-ECLLWORM LABVAE. C M Ignoffc 8 M Graham J Invertekrate Fathol 9(3):390-394 Set 1567 421 J826 Bacillus thuringiensis, Biological control (insects), Invert discarce Ecctiprophysical control (insects), Insect diseases, Fectincphora gcssyriella. Abstract 14206-68 GLUCCNECGENESIS IN THE ORIENTAL SCHNÉT VESFA ORIENTALIS F. J Ishay & Ikan Ecology 49(1):169-171 REF WINTEF 1968 410 EC7 Carbohydrates, Carbon isotores, Chlorella, Glyconeogenesis, Iarvae, Froteins, Fadioactive tracers, Vespa orientalis. Abstract: It is suggested that the ability of larvae to carry out gluconecgenesis and transfer of formed sugars to the adults may play an important part in adult-larvae interrelations of various insect societies. 14209-68 FROCESS FOR CCNIECLING INSECTS WITE PHENYLTHIOCRCTONATE. FAIENT 3,378,436. E E Ivy Us Fatent Cffice Cffic Gaz 849(3):782 16 Arr 1968 156.65 CF2 Chemical control (insects), Fatents, Fhenylthiocrotonate. 14210-68 FBOSFICIS OF INTEGRATED MICECEIAL AND RADIATION CONTROL OF HARMEUL INSECTS. Jafri J Invertebrate Pathol 9(3):293-297 REF Sep 1967 421 JE26 Insect control, Insect diseases, Insect pests, Integrated control (insects), Irradiation, X-rays. Theoretical insect rathclogy Abstract 14211-68 ALTERATION CE EFECING BEHAVICE AND FEBTILITY IN AEDES AEGYFII FY THE CEEMCSIEFILANT AFBOLATE. C L Judson E L JUDSON Entomel TxF AFF1 10(3):387-393 1967 421 EN695 Aedes acgyfti, Afhelate, Chemosterilants, Peeding, Fertility, Insect behavior, Insect physiology, Insect vectors, Flant disease trarsmission. German surmary increased feeding may increase disease transmission by in-sects to both animals and plants. Abstract 14212-68 ATTRACTION OF FEAS FSYLLA TO ELACKLIGHT. G B Kalcestian W W Wolf J Econ Entemol 61(1):145-147 Eeb 1968 421 J822 Flucrescent lawps, Insect traps, Light traps, Phototropism, Fsylla pyricola, Ultraviolet rays. Abstract 14213-68 STUDIES ON THE CLEACTORY STIMULI GUIDING THE BARK BEETLE PLASICPEAGUS LINIFERDA L (CCLECETERA, SCOLYTIDAE) TO ITS HCSI IBFE. E Kangas V Ferttunen H Oksanen E Kangas V Fertunen H OKSahén Suomen Byonteistieteellinen Aikakauskir Ann Entomol Penn 33(3):1E1-211 EF 02 Nov 1967 421 SU7 Blastcphagus piniperda, Insect behavior, Finus sylvestris, Scolytidae, Smell. Abstract 14214-68 GROWIE CABINEI FOR THE EFFICIENT BANELING OF CONTAINEES USED FOR FEARING INSECTS. R Kasting A J McGinnis Can Entemol 100(2):193-195 Feb 1968 421 C16 Agrotis crthcgonia, Insect nutrition, Insect rearing eguipment, Parasitic insects. Abstract

14215-68 STUDY ON SPIDERS (PARTICULARLY REFERRING TO GRASS-SPIDERS) TO PREY UPON FALL-WEB WORMS (HYPHANTRIA CUNEA DRUBY). I Kayashima Acta Arachnologica 21(1),30 P 01 Jul 1967 434.8 AC8 Biological control (insects), Hyphantria cnnea, Insect pests, Predaceous insects, Spiders, Trees. 14216-68 SOME OUTSTANDING QUESTIONS IN INSECT 8EHAVIOUR. J S Kennedy Boy Entomol Soc London Symp 3:97-112 REF 1966 420 R81 Insect behavior, Insect evolution, Reproduction, Sex determination, Sterility. 14217-68 THE DIGESTIVE ENZYMES OF THE LARVA OF UTETHEISA PULCHELLA LINNAEUS (LEPIDOPTEBA: ARCTIDAE). N Khatoon Beitr Entomol 17 (3/4):349-356 REF 1967 421 B392 Enzymes, Gastrointestinal system, Larvae, Otetheisa pulchella. 14218-68 MONOPSYLLUS THAMBUS (JOROAN, 1929) FROM THE ALPINE IN COLORADO. J M Kinsella J Parasitol 54(2):258 Apr 1968 448.8 J824 Mice, Monopsyllus thamhns, Parasitic insects, Siphonaptera, Taxonomy. 14219-68 PARASITIZATION OF SOCIAL HALICTINE BEES IN SOUTHERN ONTARIO. G Knerer C E Atwood Entomol Soc Ontario Proc 97:103-110 REF 1966 420 ON8 Halictidae, Mites, Parasitic insects, Parasitism. 14220-68 ELECTRON-MICROSCOPE INVESTIGATION OF THE STBUCTURE OF THE NUCLEAR-FOLYHEDROSIS VIRUS OF THE SILKNOBH, BOHBYX MORI. E A Kozlov I P Alexeenko J Invertebrate Pathol 9(3):413-419 REP Sep 1967 421 J826 Bomhyx mori, Electron microscopy, Insect diseases, Polyhedroses. Abstract 14221-68 INVESTIGATIONS OF RELATIONSBIPS OF EGG LENGTE TO PEMALE SIZE AND EGG NUMBER IN ANOPHELES CLAVIGER TYPICUS MEIGEN, WITH BEFEBENCES TO DEVELOFMENT OF LENGTH IN LABVAE. (INVESTIGA-TIONS OF THE INSECT FAUNA IN PLACE 15). (DIPTEBA: CULICI-DAE). (GE) F Kuhlhorn Beitr Entomol 17 (3/4):336-347 REF 1967 421 B392 Anopheles claviger, Insect eggs, Insect physiology, Larvae. English summary. 14222-68 222-00 ON THE PABASITES OF THE PINE CATERPILLAR, DENDROLIMUS SPECTABIXIS BUTLER, IN A PURE STAND AKAMATSU-PINE POREST IN THE SUBURES OF SECUL IN KCREA. (JA) K C Lee Jap J Appl Entomol Zool 11(4):189-191 Dec 1967 475 J27 Dendrolimus spectabilis, Porest insects, Bymenoptera, Parasitic insects, Pinus, Tachinidae. 14223-68 AN INTERESTING REARING OF EUDIA PAVONIA (ATTACIDAE). (PR) G Lugnet Alexanor 5(1):2-7 1967 421 AL2 Insect rearing, Saturnia pavonia, Saturniidae. 14224-68 APPBESSORIUM-LIKE STRUCTURES IN INSECT PARASITIZING APPEESSURIUM-LIKE STOUTURES IN TRADET TERMENTER DEUTERONYCETES. M F Madelin R K Bohinson R J Williams J Invertebrate Pathol 9(3):404-412 REP See 1967 421 J826 Beanveria bassiana, Caterpillars, Deuteromycetes, Petersoners fundi Theort Aiscasse, Metarrhizium Entomogenous fingi, Insect diseases, Metarrhizium anisopliae, Phytodecta olivacea, Poecilomyces farinosus, Tenebrio molitor,

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10 14225-68 Icmaspis saccharina. Abstract 14225-68 THE ATTFACTION OF SAITS AND OTHER NUTRIENTS TO THE LARVAE OF FAFRIC INSECTS. A Fallis E T Eurten A C Miller J Econ Entexol 55(3):351-355, TAES. Jun 1962 421 J022 Anthrenus flavires, Attagenns ricens, Attractants, Rcuschold insects, Insects, Larvae, Salts, Textiles, Tinecla Lisselliella. 14226-68 SFXUAL EEEAVICUR. A Manning Rcy Ertcmcl Scc London Symp 3:59-68 REF 1966 420 E61 Insect behavior, Beviews, Sex behavior. 14227-68 #22/90C PRECOCICUS TERMINATION OF CELIGATORY DIAPAUSE IN FIELD-COL-LECTED FUFAE OF ANTHERAFA FOLYPREMUS. A Mansingh E N smallman Can Ertemol 100(2):134-139 Peb 1968 421 C16 Antheraca polypherus, Diapause, Insect mortality. Abstract 14228-68 VERTEERATE PREDATION ON TRE JACK-PINE RUDWORM IN MICRIGAN. W J Mattson P E Knight D C Allen J L Poltz J Econ Entwol 61(1):229-234 REE Feb 1968 421 J822 Eirds, Choristoneura ginns, Forest insects, Insect populations, Mammals, Predatory animals. Abstract 14229-68 EFFECT OF DIET ON THE LIPID COMPOSITION OF THE COCKROACE ELAEFEUS DISCCIDALIS. J L & CGUIRE A E S CONSIN J L & CGUIRE A E S CONSIN Compar Eicchem Physiol 22(2):427-433 REP Aug 1967 444.6 C73 Riochemistry, Blaberus discoidalis, Chromatography, Diet, Fat body, Eatty acids, Lipids. Abstract 14230-68 TRE INFLUENCE OF TRREE INSECTICIDES ON PREDATION OF THE PEAR THE INFLUENCE OF THEFE INSEC PSYLLA, FSYLLA FYFICCLA. 5 D McMnllen C Jong Can Ettemol 99(12):1292-1297 Dec 1967 421 C16 Azinghosmethyl, Ddt, Insecticides, Psylla pyricola, Ryania. Abstract 14231-68 THE RFLATICN EETWEEN SOIL WATER TENSION AND GROWTR RATE OF LARVAE CE TIPULA CLERACEA AND T PALUDOSA (DIPTERA) IN TURE. A Beats A heats Entomol Exp Appl 10(3):312-320 1967 421 ENE95 Growth factors, Larvae, Soil moisture, Tipula oleracea, liphla paludosa, Inrf. German sussary Abstract 14232-68 MORPHCLCGICAL AND RIOLOGICAL INVESTIGATIONS OF CLONES AND EIFLD POPULATIONS OF THE GRFFN-ELECKED POTATO APRID, AULACCRIBEUM SOLANI KLTE 1843 SENSU LATICRE (REMIFT. APRID.). (CE) W Meier Betti
 Schweiz Ertomol Ges Mitt 39(3/4):129-150
 15 Apr 1967 420 S#6
 Acyrttosiphon solani. English snamary. 14233-68 SOME FELATIONSHIPS OF PACE FLY FEEDING, OVARIAN DEVELOPMENT, AND INCIDENCE ON DAIRY CATTLE. 1 A Miller R F Treece J Econ Entomol 61(1):250-257 REF Feb 1968 421 J822 Dairy cattle, Insect behavior, Insect nutrition, Insect physiology, Musca antumnalis, Ovaries. Abstract

14234-68 STARILITY OF CHILO IRIDESCENT VIRUS. (JA) STARLITY OF CHILD INTRESCENT VIRUS. J Mitsubasai K Koyama Jap J Appl Entomol Zool 11(4):177-181 Dec 1967 475 J27 Chilo, Inidescent virus. English summary Abstract Abstract 14235-68 ON THE RIOLOGY OF TRE SOUTE AFRICAN CITRUS ESYLLA, TRIOZA ERYTREAE (DEL GUERCIO) (ROMOPTERA: ESYLLIDAE). V C Moran J E Elowers Entomol Soc Southern Afr J 30(1):96-106 REP Jun 1967 420 EN86 Citrns, Insect biology, Psyllidae, Trioza erytreae. Abstract 14236+68 A NEW REACONID PARASITE OF THE POTATO TURERWORK (HYMENOPTERA) . C E W Mneseheck Entomol Soc Wash Proc 69(2):177-178 Jun 1967 420 W27 Braconidae, Insect taxonomy, Orgilns leridns, Parasitic insects, Phthorimaea opercnlella. 14237-68 A CULTURE METROD FOR MYRMECOPHILCUS ROOT APRIDS. D A Muir Rull Entomol Res 51(1):7-8 Apr 1960 421 R87 Aphididae, Culture media, Pormicidae, Myrmecophilons insects. 14238-68 SYNERGISE OF BALATHION AGAINST TRE NORTHERN FORL SITE. T E Nelson K M R Rertun J Econ Entomol 58(6):1117-1118 Dec 1965 421 3822 Insecticide resistant insects, Insecticide synergists, Malathion, Ornithonyssns sylviarnm. 14239-68 PRELIMINARY REPORT OF THE EFFECTS OF RACTERIAL SPECIES UPON TRE EUROPEAN CORN RORER. D R Nesbitt R L Zimmack J Econ Entonol 61(2):462-464 Apr 1968 421 J822 Racteria, Insect diseases, Ostrinia nubilalis. Abstract 14240-68 SUSCEPTIBILITY OF WIREWORMS TO ALDRIN IN EASTERN MASRINGTON. J A Cnsager J C Maitlen J Econ Entomol 59(5):1120-1123 1966 421 J822 0ct Aldrin, Insecticide resistant insects, Limonius californicus. 14241-68 TRE ARTIFICIAL PEEDING OF FHOSPRAMIDON TO MYZUS PERSICAE: I. INTRASPECIFIC DIFFERENCES EXRIBITED BY TRIS APRID ON FEEDING TREOUGR A PARAFILM MEMBRANE. W R Parry J E Ford Entomol Exp Appl 10(3):437-452 REF 1967 421 EN895 Peeders, Peeding, Myzus persicae, Phosphamidon. French summary Abstract 14242-68 NUCLEAR POLYREDROSIS OF THE GRAM POD RORER, RELIOTHIS ARMIGERA. R C Patel P E Patel J Econ Entomol 61(1):191-193 Feb 1968 421 J822 Heliothis armigera, Insect diseases, Insect rearing, Polybedroses. In a laboratory insect rearing study. Abstract 14243-68 ROUSE-FLY ADENOSINETRIPHOSPHATASES AND TREIR INHIRITION BY INSECTICIDAL OBGANOTIN COFFCUNDS. G E Pieper John E. Casida J Econ Entomol 58(3):392-400, EI8L. 399-400 Jnn 1965 421 J822 Adenosinetri, phosphatase, Insecticides, Musca domestica, Organotin compounds.

RIRLIOGRAPRY

14244-68 ACTIVITY AND CONTROL OF WOODLAND INSECTS. AC11,11 D A Fierce Agr Chem 23(5):33,36-37 May 1968 361 AG8 May 1968 361 AG8 May 1566 JE1 A66 Adelges, Racillus thnringiensis, Choristonenra, Dendroctonus, Forest insects, Insect control, Insect pests, Zectran. 14245-68 A NOTE ON THE OVIECSITION OF SIMULIUM (S.) ARGYREATUM EFIGEN. A F Fcole Entomologist (londcn) 100 (1248):121-123 May 1567 421 EN8 Insect Lebavior, Cvulation, Simulium argyreathm. 14246-68 THE FROSPHCLIFASE AND GELATINASE ACTIVITY OF GRAM-NEGATIVE FACTERIA ISOLATED FROM DISEASED INSECTS, AND TYFING OF SIRAINS OF SEBRATIA MARCESCENS. R F Frinslcc J Invertebrate Pathol 9(3):420-427 REP Sep 1967 421 J826 Racteria, Gelatinase, Insect diseases, Phospholipase, Serratia marcescens. Abstract 14247-68 FASTURITION IN THE SCORPION ISCHEIRUS MACULATUS DE GEER (EUIRIDAE). (GE) P Proist Rev Suisse Zccl 47(3)616-619 1967 41C E324 Isometrns maculatus, Reproduction. 14248-68 FAFASITES OF THE LEAF BOLLERS ARCHIES ARGYROSPILUS AND A GRISEUS IN CONNECTIOUT. R J Frokcfy J Econ Entorol 61(2):348-352 REF Apr 1968 421 J822 Apples, Archips argyrospilus, Archips griseus, Connecticut, Rymencptera, Farasitic insects, Tachinidae. Abstract 14249-68 HISTCICGICAL CRANGES IN PLUSIA ORICRALCEA CAUSED RY RACILIUS THURINGIENSIS. N Bamakrishnat L D Tiwari J Invertebrate Fathol 9(4):579-580 Dec 1967 421 JB26 Racillns thuringiensis, Insect diseases, Insect histology, Flnsia crichalcea. 14250-68 NCIES ON THE TOXICITY OF A COMMERCIAL PREFARATION OF PACILIUS TRURINGIENSIS VAR. TRUBINGIENSIS RERLINER CN SCME LEFICCPTERA AND TENTERELINIDAE LARVAE. J Rantagaa Ann Agr Fenn 6 (2-3): 103-105 REF 1967 20 AN7 Athalia colibri, Facillus thuringiensis, Riological control (insects), Larvae, Lepidoptera, Fieris trassicae, Flutella maculipennis, Priophorus tristis, Ptercons ribesii, Tenthredinidae. English and finnish abstracts. Abstract: The toxicity of the commercial R. thuringiensis Abstract: The toxicity of the commercial R. thuringiensis preparation Rictrcl BTR, proc. 183, containing 25 x 109 spores per gram, tc the larvae of Plutella maculipennis, Pieris trassicae, Athalia cclibri, Pteronus rihesii and Priophorns tristis, was tested in the laboratory. At each rate cf application (0.5, 1, 2 and 3 grams per sguare metre) the powder caused the death of the P. maculipennis larvae within 2-3 days and the death of P. brassicae larvae withir 5-6 days. The effect cf the preparation upon the sawfly larvae was slower, and some of these pnpated. Never-theless, 63-100 percent of the A. colibri larvae died within 7 days, 83 percent of the P. tristis larvae within 13 days. days. 14251-68 NOTES ON THE LIFE HISTORY OF ALEOCRARA RILINEATA (GYLL.) (CCLECETEEA:STAPHYLINIDAR), AND ON ITS FOTENTIAL VALUE AS A CONTREL AGENT FCF THE CAEEAGE MAGGOT, HYLEMYA RRASSICAE (BOUCEE) (LIFTERA: ANTHONYIDAE).

(ROUCIE) (DIFTERA: ANTHONYIDAE). D C Read Can Enternol 94(4):417-424. FTRL

Can Entemol 94(4):417-424, FIRL. 423-424 Apr 1962 421 C16

Alecchara filineata, Rylenya frassicae, Parasitic insects.

14252-68 A MORFROLOGICAL AND FUNCTIONAL STUDY OF THE VENOM APPARATUS IN REPRESENTATIVES OF SOME MAJOR GROUPS OF RYMENOPTERA. L Robertson Australian J Zool 16(1):133-166 REP Peb 1968 410 AU73 Hymenoptera, Insect morphology, Insect physiology, Poison glands, Recroductive organs. Abstract: Principally Australian species considered, and relationship between venom apparatus and accessory reproduc-tive glands of other insects is given. Evidence is presented of evolutionary continuity among hymenopterons groups. Major changes of form in components of apparatus is related to what is known of changes in functions. 14253-68 AN AUTOGENOUS GYNANDROMORPH OF CULEX TARSALIS COO. R Rosay Hosqnito News 28(1):120 REP Mar 196R 421 M85 Culex tarsalis, Gynandromorphism, Insect morphology. 14254-68 ANATOMY AND HISTOLOGY OF RODOLIA CARDINALIS MULS. (COLEOPTERA COCCINFLLIDAE). (II) G Russo Portici Lah Entomol Agr Filippo Silvestri Boll 24:247-307 REF 1966 420 PR2B Insect anatomy, Insect histology, Rodolia cardinalis. English summary. 14255-68 EVALUATION OF THE EFFECTIVENESS OF SOME ORGANOPHOSPHORUS INSECTICIDES AGAINST TWO SPECIES OF APHIDS. R S Saini Indian J Entomol 29(1):34-43 REF Mar 1967 420 IN23 Aphididae, Aphis gossypii, Chili, Cotton, Cruciferae, Diazinon, Eggplant, Ryadaphis psendobrassicae, Insecticide application, Methyl demeton, Mevinphos, Okra, Parathion. Abstract 14256-6R SELECTION OF PUPATION SITE BY DROSOPHILIA MELANOGASTER AND D. SIMULANS. D D Sameoto R S Miller Ecology 49(1):177-180 WINTER 1968 410 EC7 1968 410 2C7 Drosophila melanogaster, Drosophila simulans, Anmidity, Insect behavior, Insect pornlations, Larvae. Abstract: D. melanogaster and D. simulans larvae were tested to determine their choice of pupation site in re-lation to larval density and moisture content of the medium. 14257-68 CHANGES IN THE CONTENTS IN RESPECT TO THE ENERGY PRODUCING RESERVE MATERIAL DURING THE CASI DIPPERENTIATION OF PORMICA POLYCTENA FOERST (INS. HYM.). (GE) G R Schmidt Riol Zentralbl 86(1):5-66 REF Jan 1967 442.8 R523 Riochemistry, Formica polyctena, Insect physiology, Respiration. Englisb and German summaries Abstract 1425R - 68ORSERVATIONS ON CULEX PIPIENS LARVAE INFESTED WITH VORTICELLA SF. R Schober Mosqnito News 27(4):523-524 REP Dec 1967 421 M85 Cnlex pipiens, Insect diseases, Larvae, Protozoa. 14259-68 PAROUS/NULLIPAROUS CONDITION OF UNFED ANOPHELES GAMPIAE AND ANOPRELES FUNESTUS CAPTURED IN EXIT TRAPS. L S Self C P Pant Mosgnito News 28(1):62-64 REF Har 1968 421 H85 Anopheles funestus, Anopheles gambiae, Peeding, Anopheles runestus, Anopheles gamplae, recurs, Insect behavior, Reproduction. Abstract: During August through October 1966, approxi-mately 40.9 percent of the anophelines leaving village huts near Kaduna in Northern Nigeria were macroscopically classified as nnfed. Simple age-gronping of unfed A. gam-biae and A. funcestns indicated that 56.1 percent and

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35.9 percent respectively were nulliparous. A small per-centage of the nulliparous and parous specimens of both species were found to have blood in the stomach when examined microscepically. 14260-68 A SECRETORY ARERTURE ON THE FIRST SEGMENT OF THE CHELICERA IN THE NEMASICMATICAE, AND ITS USE IN TAXONCMY (OFILIO-NUEA). (GE) V Siltavy Acta FD Echemoslev 64(4):319-321 1567 420 CE3 Anatomy, Insect taxonomy, Nemastomatidae, Phalangida. 14261-68 EFFECT OF GAMMA INFAULATION ON THE GROWTH BATE OF SPECIES CF EACILIUS CEFEUS GROUP. W A Smirneff E Cantin J Inverterate Fathol 9(3):357-363 Sep 1967 421 J826 Bacillus céreus, Facillus thuringiensis, Gamma rays, Insect diseases, Irradiation. B. thuringiensis varieties Abstract 14262-65 INSECT COLCNIZATION AND MASS PRODUCTION. 01497 .S6. C N Smith 618 P. ACALEMIC PRESS, NEW YORK 1966 Experimental insects, Insect rearing. 14263-68 HYDROGEN ICN CONCENTEATION (PH) AS RELATED TO TRE OCCUR-BENCE AND AFONDANCE OF THEE-BOLF DWELLING CULICOIDES SPP, (LIFTERA: CEDATCFCGONIDAE IN NOFTHERN FLORIDA. W Swith J B Varnell Mosguite News 27(4):519-521 Dec 1967 421 M85 Culiccides, Forest insects, Hydrogen-icn concentration. 14264-68 PREVICUSLY UNREPORTED ACCESSIONS FOR DIAGNOSIS AND NEW RECCEES. E & Steinhaus G & Marsh J Invertebrate Fathol 9(3):436-438 Sep 1967 421 J826 Entomogenous fungi, Insect diseases, Viruses. 14265-68 THE SYNCHECNIZATION OF THE LIFE CYCLE OF UIAPAUSING PACE FLIES, MUSCA AUTUMNALIS, ANU OF THE NEMATODE, HETERCIVIENCHUS AUTUMNALIS. J G Stoffoland J Invertebrate Pathol 9(3):395-397 Sep 1967 421 J826 Beterctylenchus autumnalis, Insect biology, Musca autumnalis, Nematodes, Farasitism. Abstract 14266-68 NEMATCUE PARASITE (HETEROTYLENCEUS SP.) CF FACE ELY IN NEW YOBE STATE. J G Stoffolano Jr W E Nickle J Econ Entcmol 59(1):221-222 Eeb 1966 421 J822 Biological control (insects), Reterotylenchns, Musca antumnalis, Newatodes, Parasitic insects, Parasitic newatodes, Farasitism. 14267-68 REASING METBOUS FCE STUDYING THE EFFECT OF THE PHYSIOLOGICAL CCNUITICN OF THE HOST PLANT ON THE POPULATION DEVELOPMENT OF PANCNYCEUS ULV: (KCCH). J J R Storms Vageningen Inst Flantenziektenkundige Onderz Mededel 7(2):79-85 EE 1965 464.5 ¥123 Apples, Arthropod rearing, Eiet, Nitrogen, Plant physiology, Tetranychus miticae. English and italiam abstracts Abstract: To study the relationships hetween a phytophagous rest and its host flant, spider mite is reared on leaves of one year old affle rootstocks growing in a gravel-col-ture cn feeding solutions with varions nitrogen levels. The difficulties met in these experiments are discussed. Also some data concerning the rearing of Tetranychus urticae on an artificial diet are given.

AGGREGATION BERAVIOR OF PEA APHIUS, ACYBTHOSIPHON PISUM. F E Strong Entomol Exp Appl 10 (3):463-475 REF 1967 421 EN895 Acyrthosiphon pisne, Insect behavior. German summary Abstract 14269-68 1269-68 INFECTION OF CULTUBEU SILKWORM EMBRYOS WITH TRE CYTOPLASMIC-FOLYHEUROSIS VIRUS. (JA) T Takami H Sugiyama T Kitazawa T Kanda Jap J Appl Entomol Zool 11(4):182-186 Dec 1967 475 J27 Bombyx mori, Insect diseases, Polyhedroses. English summary Abstract 14270-68 A CHROMOSOME STUDY OF THO PARTHENOGENETIC SCOLYTID BEETLES. Y Takenouchi K Takagi Annot Zool Jap 40(2):105-110 REF Abito 2001 Jap 40 (2), 105-110 Hr Jon 1967 410 AN9 Chromosomes, Parthenogenesis, Xyleborns. Abstract: Chromosomes in cleavage and germ cells of Xyleborus germanns and X. compacts, were studied. Special emphasis was given to parthenogenetic reproduction. Pemales which developed from fertilized eggs were diploid, remains while males derived from infertilized eggs were alploid. while males derived from unfertilized eggs were haploid. In males, the first and second divisions in germ cells were mitotic. They showed no evidence of abortive division. The two species propagate by haploid parthenogenesis. This is the first to be recorded for Scolytidae. 14271-68 THE BIOLOGY OF MONTANUONIELLA MORAGUESI PUTOR, A PREUATOR OF GYNAIROTHRIES FICORUM MAECBAL, IN EGYPT (REMIFTERA-BETEBCFTERA: ANTROCORIDAE). M F S TAVÍRA NAGDÍ Soc Entomol Egypte Bull 49:181-200 1966 420 EG9 Ficus nitida, Gynaikothrips ficornm, Montandoniella moragnesi, Predaceous insects. 14272-68 NOTES ON ENTCHOPHTROROUS FUNGI ON BELEONYZIUAE AND COLICIUAE (OIPTERA). H H Teernstra-Eeken A Engel J Invertebrate Pathol 9(3):431-432 Sep 1967 421 J826 Culicidae, Entomogenons fungi, Entomophthora, Releomyzidae. 14273-68 A COMPARATIVE STUDY OF GASTRIC CAECA IN AUULT AND LARVAL STAGES OF RAFK BEETLES (COLEOPTERA: SCOLYTIDAE). J B Thomas Entonol Soc Ontario Proc 97:71-90 REF 1966 420 ON8 Forest insects, Gastrointestinal system, Scolytidae. 14274-68 SWARMING BERAVIOR OF MANSONIA PEBTURBANS (WALKER). P B Thompson Amer Midland Nathr 77(2):533-535 REP Apr 1967 410 M58 Apr 1967 410 M58 Insect behavior, Mansonia perturbans, Sex behavior, Swarming. Abstract: Swarms of Mansonia perturbans (Walker) were witnessed within an oak-maple forest near Madison, Wisconsin, at sunset on two evenings in late Jone, 1961. Swarming, mating, and feeding occurred simultaneously on both evenings. Mating took place in flight and was not observed ontside of swarms. 14275-68 BITES FROM NOCTURE MOTES. E Treat Lepidopterists Soc J 21(3):169-179 1967 421 L554 Mites, Noctnidae, Parasitic insects. 14276-68 OBSEBVATIONS ON BETEROTYLENCRUS AUTUMNALIS IN BELATICN TO THE FACE FLY: R E Treece T A Miller J Econ Entomol 61(2):454-456 Apr 1968 421 J822 Heterotylenchus antnunalis, Mnsca autnunalis, Nematodes, Parasitism. Abstract

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10 14294-68

14277-68 BELATIVE TOXICITY OF SOME INSECTICIDES TO THE HAIRY CATER-FILLAF, DIACHISIA CELIÇUA (ASCTIDAE: LFFIDOPTERA). F L Trifathi Indian J Frtoscl 28(4):561-563 Dec 1966 420 IN23 Diacrisia chligua, Endosulfan, Insect pests, Insecticides, Jute, Iarvae, Farathion, Toxicity. 14278-68 CUIRCES EBCM MELITESEANEAN FRUIT ELY INEESTED COUNTRIES. ETEVIENE EIEECHIDE EDMIGATICN. Eed Eegist 33(2):77 04 Jar 1566 L1.451 Ceratitis capitata, Citron, Ethylene dibromide, Fumigation, Cnarantine. 14279-68 CYTCPLASFIC FCLYHEDBOSIS OF THE CABBAGE LOOFER, TEICHCPIUSIA NI. P V Vail I Miller I M Hall J Invertebrate Fathol 9(3):436,439-441 Sep 1967 421 J826 Set 1567 421 J826 Caterfillars, Insect diseases, Mortality, Polyhedroses, Trichcplusia ni. 1428D-68 INSECT FRELATCES OF MDMMIFIFE FFA AFHIDS. A G Waceler J T Hayes J L Stephens Can Entemcl 100 (2):221-222 Deb 1566 421 C16 Acyrthosiphon pisur, Aphididae, Pracn, Predaceons insects. 14281-68 BIOLOGY OF THEFE SPECIFS OF LEICPBBON (HYMFNOFTEBA: EFACONICAF, FDFECEINAF) PAEASITIC ON MIBIDAE ON BEOOM. N Walcff Boy Fntcmcl Scc London Trans 115(6):187-213 BEE 27 Jun 156m 420 L84 Cytisns, Insect rests, Leiophron, Miridae, Parasitic insects. 14282-68 SPIDEES ASSOCIATED WITH THE FALL WEBNOBA, HYPHANTRIA CUNEA (LEFIICFIEFAI ASCIIIDAE). I C Warren W E Peck M Tadic Rans Entorcl Scc J 40(3):382-395 REE Jul 1967 420 K13 Byphantria cunea, Parasitic insects, Predaceous insects, Sriders. Abstract 14283-68 PROTEIN SYNTHESIS IN THE TISSUES OF THE SILKWCBM, BCMBYX MCFI, INFFCTED WITH NUCLEAR-FOLYFEDRCSIS VIRDS. H Watanake J Invertebrate Fathol 9(3):428-429 Sep 1967 421 J826 Biochemistry, Bcmbyx mori, Insect diseases, Insect physiology, Follyhedroses, Frcteins. Abstract 14284-68 STUDIES ON THE GAEDEN SYMPHYLAN, SCUTIGERELLA IMMACULATA (SYMPHYLA: SCUTIGEFELLICAF). J S Waterhouse Can Ertcacl 100 (2):172-178 BFF Pet 1966 421 C16 Humidity, Mcrtality, Scutigerella immaculata, Soil moisture. Abstract 14285-68 EFFECTS CF AREY ANT QDEFNS CN LCNGEVITY OF THEIB WORKEBS FFFECIS CF ARY ANT ODERS CN LCNGFVITY OF THELE WORKEES (FORMICLEF: ICEFVIINAE). J F Watkins C W Settenmeyer Esyche 74(3):228-233 FEE Set 1567 421 195 Ecrmicidae, Insect physiology, Insect rearing, Longevity, Queen ant. 14286-68 BESPIEATICN AND TRACHEAL VENTILATION IN LCCUSTS AND OTHEB PLYING INSECTS. I weis-Eogh J ExF Biol 47(3):561-587 BEF Dec 1967 442.8 B77 Insect respiration, Odonata, Schistocerca gregaria, Trachea, Vespa cratic. Abstract

14287-68 PARASITIC TBOMBIDIID MITES ON DASYHELEA MUTABILIS (COQUILLET) (DIPTERA: CERATOPOGONIDAE). B H Whitsel R E Schoeppner Entomol Soc Wash Proc 69(3):284-286 Sep 1967 420 W27 Dasyhelea mutabilis, Parasitism, Tromhidiidae, Valgothromhium. 14288-68 THE BIOLCGY OE THE FIR TREE BORER, SEMANOIDS LITIGIOSUS (COLEOPTEBA: CERAMBYCIDAE), IN CALIEORNIA. B E Wickman Can Entomol 100(2):2D8-220,MAP Feb 1968 421 C16 Hibernation, Host specificity, Oviposition, Semanoths litigiosus. Abstract 14289-68 SUMMABY OF PABASITE AND PREDATOR LIBERATIONS IN CANADA AND OF INSECT SHIPMENTS FROM CANADA IN 1966. SB975.C3. G D Williamson 13 P. BELLEVILLE, CNTABIO 1966 Canada, Eoreign trade, Host specificity, Insects, Parasitism, Predaceous insects. 14290-6B THE CONSEBVATION AND ADGMENTATION OF NATDRAL ENEMIES. IN: FAO SYMPOSIUM ON INTEGBATED PEST CONTBOL, ROME, 1965. SB951. F62. PROCEEDINGS. E Wilson 3:21-26 1966 Beneficial insects, Natural control (insects). 14291-68 LIFE HISTOBY AND HABITS OE RBABDOPHAGA SP (DIPTEBA: CECI-DCHYIIDAE), A GALL BIDGE ATTACKING WILLOW IN MICHIGAN. L F Wilson Can Entomol 100(2):164-189 Eeb 1968 421 C16 Cecidomyiidae, Eggs, Genetics, Hibernation, Parasites, Rhabdophaga. Abstract 14292-68 A BIOASSAY OE THF PHEROMONE OF TROGODERMA GRANARIUM MALES AS AN ATTRACIANT FOB BOTH SEXES OE THE SPECIES. U Vinon A Shulov Entomol Exf Appl 10 (3-4):453-462 REF 1967 421 ENE95 Attractants, Biological assay, Hormones, Pheromones, Trogoderma granarinm. Abstract 14293-68 PRELIMINARY EVALUATION OF HELIOTBINE AS A STERILITY AGENT POR EACE ELY. B M Zapanta C W Wingo

Chemosterilants, Beliotrine, Musca autumnalis.

J Econ Entomol 61(1):330-331 Eeb 196B 421 J822

Genetics

14294-68 CROSSING OVER IN THE CHEOMOSOMAL BEGION DETERMING AMYLASE ISOZYMES IN EBOSOPHILA MELANOGASTER. E Bahn Hereditas 58(1-2):1-12 REF 1967 442.8 B42 Amylases, Drosophila melanogaster, Electrophoresis, Enzymes, Genes, Insect genetics. Abstract: A simple zymogram technigne allows separation of amylase components in homogenates of single individuals of Drosophila melanogaster. Recombination analysis has demonstrated spatial separation with a linkage intensity of the order of 1/13,000 (0.008 map nnits) of pairs of amylase genes each determining a single zone of amylolytic activity in the electrophoretic handing pattern. RIBLIOGRAPRY

10 14295-68 14295-68 SFONTANEODS CEOSSING CVER IN THE MALES OF DROSCFRILA ANANASSAF: TEC-WAY SELECTICN FOR BECOMBINATION VALUES. F G Kal∈ Jap J Genet 43(1):27-31 REF Mar 1966 442.5 J27 Drosofhila ananassae, Insect genetics. Abstract 1429€-68 THE MODE OF INHERITANCE OF CIELDRIN-RESISTANCE IN ANOPHELES (A.) ISEUDCEDNCTIFENNIS AND THE CROSSING CF POPULATIONS OF THIS SPECIES- FROM VARIOUS FARTS OF MEXICO. A Martinez-Falacics G Davidson M nathle2-Falacies 6 davidson Bosguite News 27(1):55-56 REF Bar 1967 421 885 Anophéles grendopunctigennis, Dieldrin, Insect genetics, Anophetes pendopunctivening, inventing, insert generics, Insecticide resistant insects. Abstract: Eieldrin-resistance in A. pseudopuncipennis is dependent on a single, partially-dominant, genetic factor. The results of crossing five populations of this species from different malaria areas of Mexico indicate that all the populations of this area helong to the same species. 14297-68 A NATDRAL SEX IDRE EXTRACTEC FRCH FINALE PINK BOLLWORMS. B I Chye E & Entt Entcmol 55(3):419-421 J Econ Jun 1962 421 J822 Pectinophora gossypiella, Sex attractants. 14298-68 EVIDENCE FOR GENE ROMOLOGY OF THO PEARL-EYED GENES IN TELECIIDM CASIANEUM AND TRIECLIUM CONFUSUM. C W Echerte D Juriloff Can J Genet Cytol 10(1):139-142 REP Mar 1968 443.8 C16 Eyes, Genes, Insect genetics, Tribolinm castaneum, Tritolinm confinsme. Abstract 14299+68 SELECTION FOR SUPERNUMERARY Y-CHROMOSOMES IN DERMESTES MACULATUS (CCLEOPTERA: UERMESTICAE). U U Shaw Can J Genet Cytol 10(1):54-62 RFP Mar 1968 443.8 C16 Chromoscnes, Dermestes maculatns, Insect genetics. Abstract 14300-68 TRE SIRDCTURE OF SALIVARY GLANUS AND GIANT CHROMOSOMES OF SCHE CHIRCNOMID LARVAE, ITS BELATICH TOWARD TRE WAY OF LIPE AND IMPORTANCE FOR THE UETERMINATION OF SPECIES. lavcar Ricl Glas 19(1-2):11-17 REP 1966 510 Z1E 1966 510 21E Chirocomidae, Chromosomes, Insect hehavior, Insect morphology, Larvae, Salivary glands. Abstract: Larvae which build living spaces or construct nets have salivary glands which consist of hig cells with hig nuclei. Larvae that live a predatorious way of life, building neither living spaces nor nets have smaller sali-vary glands, and their tiny nuclei are of exceptional significance. Structure of chromosomes is not clear and ther to the prevention of the structure of converter they are nnconvenient for the determination of species. 14301-68 RAPID ALLCCYCLIC CRANGES IN THE CENTRIC AND AN ARM SEGMENT OF THE X CEROMOSCHE IN MEICSIS OF MALE OMOPHOITA SDPERBA WEISE (CCLECFTERA, AITICIDAE). N Virkki Hereditas 58(1-2):262-264 REP 1967 442.8 E42 Chromoscmes, Chrysomelidae, Colcoptera, Insect genetics, Meicsis, Cacphoita.

Medical Entomology

14302-68 ARROVIRUS STDUIES IN BDSR BDSR POREST, TRINIDAD, W. I., SEPTEMREE 1959-DECEMBER 1964. II. FIELD PROGRAM AND TECHNIQUES. T E G Aitken C B Worth A E Jonkers E S Tikasingh W G Uowns Amer J Trop Hed Ryg 17(2):237-252,8AP REP Mar 1968 448.8 AM326 Arboviruses, Arthropoda, Birds, Chickens, Diptera, Ecology, Insect vectors, Rodents. 14303-68 EVALUATION OF INSECTICIDES AGAINST FOUR SPECIES OF ACDLT MOSQUITOES IN TRE PANAMA CANAL ZONE, 1967. R M Altwan M M Roreham Mosguito News 27 (4):506-508 REF Dec 1967 421 M85 Aedes taeniorhymchns, Anopheles alhimanns, Chemical control (insects), Culex pipiens gninguefasciatus, Penthion, Insecticidal aerosols, Malathion, Mansonia, Naled, Abstract: In December 1966 and Jannary 1967 two series of tests were conducted at P7. Clayton, Canal Zone to de-termine the effectiveness of northermal aerosols of several insecticides to caged mosgnitoes. Based on the percentage concentration, fenthion was more effective than naled which was in turn more effective than malathion. 14304-68 PROBLEMS IN THE COLTIVATION OF SOME PARASITIC PROTOZOA. A Bishop Advances Parasitol 5:93-138 REF 1967 436.8 AC9 Culture media, Insect vectors, Protozoa. Includes hiology in insect vectors. 14305-68 DEVELOPMENT OF RICKETTSIA PROWAZEKI IN CERTAIN SPECIES OF IXODID TICKS. W Burgdorfer R A Ormshee Acta Virol 12(1):36-40 Jan 1968 448.3 AC85 Dermacentor andersoni, Ryalomma anatolicnm excavatum, Ryalomma dromedarii, Ixodidae, Rickettsia prowazeki. 14306-68 OBSERVATIONS ON TOXORHYCRITES SPLENDENS (WIEDEMANN) (DIPTERA: CDLICIUAE) IN SINGAPORE. K L Chan Mosgnito News 28(1):91-95 REP Mar 1968 421 M85 Aedes, Riological control (insects), Insect physiology, Predaceous insects, Toxorhynchites splendens. 14307-68 SIMIAN MALARIAS IN MAN: FACTS, IMPLICATIONS, AND PREDICTIONS. G R Coatney Mmer J Trop Ned Hyg 17(2):147-155 BEF Mar 1968 448.8 AM326 Anopheles, Bnman diseases, Insect vectors, Malaria, Monkeys, Plasmodinm, Zoonoses. 14308-68 STDDIES ON TRE TRANSMISSION OF SIMIAN MALABIA. III. INPEC-TICN AND TRANSMISSION OF PLASMODIUM COATNEYI WITR ANOPHELES PREEBORNI AND A. EALARACENSIS RALARACENSIS MOSQDITOES. W E Collins P G Contacos E G Gninn J R Held J Parasitol 53(6):1130-1134 Dec 1967 448.8 J824 Anopheles balabacensis, Anopheles freeborni, Insect vectors, Monkeys, Plasmodium. 14309-68 1309-88 STDDIES OF TENSAW VIEUS IN ANOPRELES QDADRIMACDLATDS, A. ALBIMANDS AND A. MACDLATDS. W E Collins A J Harrison Hosgnito News 27(1):1-5 REP Har 1967 421 885

RIRLIOGRAPRY

Anophélés alhimauus, Anophélés machlatus, Auophélés guadrimaculatus, Arhoviruses, Insect vectors, Teusas virns. Abstract: Mosquitces were infected with Tensaw virns using Abstract: Fosguittes were intected with Tensaw wirns using the membrane feeding technique. Transrissiou of Teusaw vir-rus was obtained by the feeding of A. gnadrimaculatus and A. altimarus cu suckling mice after 12 to 14 days of ex-trinsic incubation. The amount of virus initially indested did uct appear to affect the transmission rate. 14310-66 TRANSFISSION OF PLASHODIUM FIFLDI BY ANOPHELES MACULATUS, A STEFLENSI, AND A. FALARACENSIS FALARACENSIS. W E Collins F G Contacos E G Guinn J R Heid J Farasitol 54 (2):376 Apr 1566 44R.6 J624 Anopheles talataceusis, Anopheles maculatns, Auopheles stephensi, Iusect vectors, Moukeys, Plasmcdium fieldi. 14311-68 TRE EFFECT CF GAMMA ISRADIATION ON REPRODUCTION AND LIFE SPAN OF THE MOSQUIIC CULEX TARSALIS COQUILLEETT. E I Darrew Mosquitc News 28(1):21-24 REF Mar 1968 421 M85 Culex tarsalis, Gamma rays, Longevity, Reproduction. 14312-68 NEW CEPPICAL ATTRACTANTS FOR YELLOW JACKETS (VESPULA SPP.). B G Davis I P McGoveru G W Eddy T E Nelson K M R Rertun J Ecor Entegol 61(2):459-462 Apr 1566 421 J622 Attractauts, Vespula. 102 synthetic organic compounds Detract Abstract 14313-68 A313-66 RESPCASES CF AEDES AEGYFTI (L.) FROM ALARAMA, GEORGIA AND SCUTI CARCLINA TC DET, DIFLEBIN, AND FALATHION. A D Flynu H P Schcof Mosguitc News 27 (4):509-512 REF Dec 1967 421 RES Aedes aegyfti, Chemical coutrol (iusects), Dieldrin, DDt, Insecticide resistant insects, Malathiou. Abstract: Cf the straius from Alafama, two were resistant tc CDT (adults), cue slightly resistant to dieldriu (adults), aud ucne resistant to malathion. Prom Georgia, all strains of the adult stage were resistant to DDT, oue strain (Altany, adult aud larval stages) to dieldriu, and uoue to malathicn. Strains from South Carolina were susceptible to all of these toxicauts. 14314-68 RESPONSES OF MOSCUITOES AND STAFLE FLIES TO A MAN IN A LIGRI-WEIGET BUEEFE DIVING SUIT. R K Gcuck I R Giltert J ECOL Enterol 55 (3): 386-392, TARS. Juu 1562 421 J822 Culicidae, Humau eugineeriug, Rumans, Stomoxys calcitraus. 14315-68 EVCLUTIONARY TRENES IN MAMMALIAN TRYPANOSOMES. C A Ecare Advauces Parasitol 5:47-91,MAP FEF 1967 436.8 AD9 Animal diseases, Evolutiou, Humau diseases, Iusect vectors, Mammals, Trypauosomatidae. Iucludes iusect vectors. 14316-66 SEASCHAI ACTIVITY OF MOSQUIIC PREDATORS IN WOODLAND POOLS IN CNIARIC. E G Janes Mosquitc News 27(4):453-457 REP Dec 1967 421 M85 Aedes, Aquatic iusects, Colecptera, Forests, Natural ccutrcl (iusects), Fonds, Fredaceous iusects. 14317-68 ARROVIRUS STUDIES IN FUSH RUSH FOREST, TRINIDAD, W. I. SFPTEMRFE 1955-DECEMRFR 1964. V. VIRUS ISOLATIONS. A R Jonkers L Spence W G Dowus I R G Aitkeu E S Tikasiugh Amer J Trcr Med Eyg 17 (2):276-284 REF Mar 1566 448.8 AM326

Arboviruses, Arthrcroda, Culicidae, Rodeuts, Serological tests, Virology. 14318-68 ULV AERIAL INSECTICIDE APPLICATION FOR ADULT MOSQUITO CONTROL IN KENIUCKY. F W Knapp C R Gayle Mosquito News 27(4):478-482 REF Dec 1967 421 M85 Aerial spraying, Carbamates, Chemical coutrol (iusects), Culicidae, Fenthiou, Iusecticides, Isopropoxyphenyl methylcarbamate, o-, Malathion, Naled, Organophosphorus compounds. 14319-68 EFFECTIVENESS OF SOME NEW INSECTICIDES ON VARIOUS TYPES OF SURFACES AND IN CLAY-LINED EXPERIMENTAL RUTS AGAINST ANOPRELES CUADRIMACULATUS. W Mathis H F Schoof Mosquito News 28(1):16+20 REF Mar 1968 421 M85 Auopheles guadrimacnlatus, Riological assay, Chemical control (insects), Dieldrin, Iusecticide resistaut insects, Insecticides, Surface chemistry. 14320-68 THE MUDMINNOW UMERA LIMI (KIRT.). A POSSIELE MOSQUITO CCNTROL AGENI IN SEMI-PERMANENT PCOLS. H G Haw Mosquito News 28 (1):120 REF Mar 1968 421 MR5 Riological control (iusects), Culicidae, Pish. The mudmiuuow, Umbra limi, feeds on insects. 14321-6R J21-06 UITRA-LOW VOLUME NONTHERMAL AEROSOLS OF MALATHION AND NALED FOR ADULT MOSQUITO CONTROL. G A Mount C S Lofgren N W Pierce C N Husmau Mosgnito News 28 (1):99-103 REF Mar 1968 421 M85 Aedes taeuiorhyuchus, Aerosols, Chemical coutrol (insects), Malathian Naled Malathion, Naled. Abstract: A nonthermal generator (Curtis Model 55,000) Abstract: A nonthermal generator (Curtis Hodel 55,000) was modified to disperse ultra-low volume malathion aud ualed. At all doses tested, rarticles of malathion having mmd's of 6 to 10 microns were more effective thau particles of 11 to 22 microus. ULV malathiou at least as effective as high volume. ULV waled was more effective than high volume. 14322-68 NEW INSECTICIDES AS NONTRERMAL AEROSOLS FCR CONTROL OF ADULT MOSQUITOES. G & Mouut C S Lofgren Mosquito News 27(4):470-473 REP Dec 1967 421 M85 Aedes taeuiorhyuchus, Auopheles guadrimaculatus, Carbamates, Chemical control (insects), Culex pipiens guiuguefasciatus, Iusecticidal aerosols, Organophosphorus componuds. 14323-68 AERIAL FOGGING WITE RAY 39007 FOR TRE CONTROL OF ADULT AEDES SOLLICITANS (WALKER) AND AEDES TAENIORHYNCHUS (WIEDEMANN). G A Mount C S Lofgren J Salmela Mosquito News 27 (4):524-525 REF Dec 1967 421 M85 Acdes sollicitaus, Acdes taeniorhynchns, Acrial spraying, Chemical control (insects), Iusecticidal aerosols, Isopropoxypheuyl methylcarhamate, o-. 14324-68 LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITOE-ROENE DISEASES. R Sollers-Riedel Mosquito News 27(4):537-548 REF Dec 1967 421 M85 Ribliography, Chemical control (iusects), Culicidae, Insect taxouomy, Medical eutomology. 14325-68 ERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-EORNE DISEASES. H Sollers-Riedel Mosguito News 28(1):128-140 REF Mar 1968 421 M85 Mar 1968 421 885 Bibliography, Riolcgical control (insects), Chemical coutrol (iusects), Culicidae, Eguipmeut, Insect biology, Iusect ecology, Iusect geuetics, Iusect morphology, Iusect vectors, Medical entomology, Toxicology.

1D 14326-68

14326-68 CCNIECL CE MOSQUITO ADULTS AND IABVAE WITH ULTHA-LOW VOLUME AFEIAL AFFLICATIONS OF EAVECE AND HAVGON-EAVIEX MIXTURE. AFEIAL AFFLICATIONS OF FAYGCN AND HAYGON-FAYTFX MINTURE. I F Stevens F P Stroud Rosquitc News 27(4):482-485 EFF Dec 1967 421 H85 Acdes scllicitans, Aedes stimulans, Aerial spraying, CarLamates, Chefical control (insects), Culex restuans, Fenthior, Insecticides, Isoproproxychenyl methylcarDamate, o-, Latwicides, Grgancybosphorus compounds. 14327-68

THE LARVICIDAL ACTIVITY OF SEVERAL LIQUID DETENGENTS AND GDATEENESY ANICHUE CONFODNES. FI Taylor & F Schoof Mosguite News 27(4):486-487 Dec 1567 421 865 Acdes acgypti, Acdes triseriatus, Anopheles gnadrimaculatus, Chemical centrel (insects), Chlex pipiens guinguefasciatus, Letergents, Larvicides, Quaternary ammonium compounds.

14328-68

SIMULATED FIELD EVALDATION OF PROMISING INSECTICIDES FOR USE AGAINET AFEFS AFGYFTI. 5 T Taylor

Bosguite News 28(1):11-16 EFE Mar 1968 421 285

Aedes acgypti, Chemical control (insects), Insecticides, Larvicides.

Abstract: Eleven compounds were evaluated under simulated field conditions to determine their relative residual life as larvicides and adulticides against Ae. aegypti.

20 CROP PROTECTION

14329-68 ENTOMOLOGISTS EXCHANGE '59 HESEASCH HESULTS. Agr Chem 15(1):38-40 Jan 196D 381 AG8 Anthonomus grandis, Cochliomyia hominivorax, Conmaphes, DDT, Musca domestica, Ronnel, Texaphene. 14330-6B APRIDS AND MILDEW. TWO ECONOMICALLY IMPOBTANT PESTS OF GRAIN IN SODIHEEN SWEDEN 1967. (SW) K Andersson N Andersson Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):2-8 1968 464.9 SW3V Aphididae, Fungns diseases (plants), Grain, Insect pests. 14331-68 SOME NOTES ON THE STDDY OF BARK EDNGI. J R R Garner Can J Rot 45 (4):540-541 Apr 1967 470 C16C

Diseases

Bark, Fnngi, Populus tremuloides.

10332-68

CHANGE IN CRIOROPLAST PHOTEINS OF THE RICE PLANT INFECTED SB611.C6. T Akazawa L Bamakrishnan

329-341 HEF AMERICAN PRYTOPATHOLOGICAL SOCIETY 1967

Blast (rice), Fungns diseases (plants), Piricularia oryzae, Proteins, Rice.

14333-68

AMERICAN PHYTOPATROLOGICAL SOCIETY. POTOMAC DIVISION. ANNOAL MEETING, 1967. BEPOBT AND AESTRACTS. Phytopathology 57 (7):644-649 Jul 1967 464.8 P56 Conferences, Plant diseases.

14334-68

INBERITANCE OF RESISTANCE TO VENTORIA INAEQUALIS IN CEBTAIN CRAB APPLE CLONES. (ABSTRACT). H S Hagga D M Boone Phytopathology 57 (8):802 Aug 1967 464.8 P56

Crabapples, Crop varieties, Pungus diseases (plants), Plant disease resistance, Ventnria inaegualis.

14335-68

PLANT VIEUS ANTIGEN: ANTIRODY BEACTIONS IN DENSITY GRADIENT CENTRIPUGATION AND IN ELECTEON MICRCSCOPY. (ABSTRACT). CENTRIFUGATION AND IN ELECTION AIGRCSCOPF. (ARSTRACT). E 8 Ball # K Brakke Phytopathology 57(8):802 Ang 1967 464.8 P56 Antibodies, Antigens, Centrifugation, Electron microscopy, Plants, Virns diseases (plants).

14336-68

LEAPHOPPER TRANSMISSION OF THE OAT BLUE DWARP VIRDS

EXTHACTED FROM OATS OR BABLEY. (ABSIRACT). E E Banttari

P bytopattali Phytopathology 57(8):802 Aug 1967 464.8 P56 Blue dwarf (oats), Insect vectors, Macrosteles fascifrons, Oats, Plant disease transmission, Virus diseases (plants).

RIBLIOGRAPRY

20 14354-68

14337-68 THE RESFIBATION OF SCLEROTIA OF SCLEROTIUM ROLFSII. M D Rard C I Fergus Mycopatbol Mycol Appl 33(2):167-178 RFF 13 New 1967 450 8994 Aging, Eydrogen-ion concentration, Plant respiration, Sclerctium rolfsii, Temperature. 14338-66 NUCLEAR BEASSCCIATION IN PUCCINIA CORONATA E. SP. AVENAE. NUCLEAR BEASSCLEATLE IN FOLLIAI COMMAN (AESTFACT). P Eartos G Pleischrann G J Greer D J Samhroski Fhytcrathclogy 57(8):803 Ang 1567 464.8 P56 Cell division, Cell nncleus, Crcwn rust (oats), Fungus diseases (plants), Oats, Fuccinia coronata avenae. 14339-66 CHARACTERISTICS OF THE CELLULASE SYSTEM FRODUCED BY SCIERCTIUM FOIESII. (ARSTRACT). C E Eatepar Phytopathclcgy 57(8):803 Ang 1967 464.6 F56 Beans, Cellnlase, Enngus diseases (plants), Sclerctium rolfsii. 14340-68 BESFIFATORY RESPONSE OF RADISB VARIFILES RESISTANT AND SUSCEFTIBLE IC VASCULAR INFECTION BY EUSARIUM OXYSPORUM F. CCNGIUTINANS. C H Eeckman Ebytcpathclcgy 57(7):699-702 REE Jul 1967 464.6 E56 Enngns diseases (plants), Eusarinm oxysporum, Plant disease resistance, Plant respiration, Radisbes, Vascular system (plants), Wilt (radisbes). Abstract 14341-66 FORMATICN OF GOSSYFCL IN INFECTED OR CHEMICALLY IRRITATED TISSUES CE GOSSYFIUM SPECIES. A A Eell Phytopathclogy 57(7):759-764 RFE Jnl 1967 464.8 F56 Antimetabolites, Chromatography, Cotton, Fungus diseases (plants), Gessypol, Plant disease resistance, Plant ertracts, Fuccinia sorghi, Bbizeques stolonifer, Uremyces phasecli, Verticillium albe-atrum. Abstract 14342-66 AN EXPOSURE CHAMPLE FOR FORESTRY AIR POLLETION STUDIES. (AESIFACI) . R BELTY Fhytcpathclcgy 57(8):804 Ang 1967 464.6 F56 Follution, Forest conservation, Greenhouses, Ozone, Finus strchus. 14343-66 4343-66 ACCUPULATION OF PHENCLS IN SCYFFAN AFTER INOCULATION WITH FUNCI NCNEATBEGENIC TO SOYFFAN. (ARSIFACT). W I Fiehn J Ruc F E Williams Fbytcpathclogy 57(6):804 Aug 1967 444.6 F56 Funci Eclerchergering cathonym Dhenols, Souheans Eungi, Helminthosperium cartonnm, Phenols, Soybeans. 14344-68 NUMERICAL ANALYSIS OF THE GENUS TRICRODORUS. (ABSTRACT). 6 w Fird Fbytcrathclegy 57 (8):804 Aug 1967 464.6 P56 Rathematical analysis, Plant nematodes, Tricbodorus. 14345-66 SOIL TRANSMISSION OF SUGARCANE MOSAIC VIRUS IN SORGRUM. SOIL TRANSMISSION OF SUBMERAL LEVEL (AESTRACT). W E Bend T P Firche Phytopathelogy 57(8):804-805 Aug 1567 464.6 P56 Mosaic (sngarcane), Flant disease transmission, Soil-tenne flant diseases, Sorgbum, Sugarcane, Wirne diseases (rlants). 14346-66 THE RELATION OF GROWTH REGULATORS TO THE DEVELOPMENT OF SYMFICHS AND THE EXPRESSION OF STEM RESISTANCE IN WRITE PINE INTECTED WITH ELISTER BUST. B G Ecyer 45(4):501-513

Apr 1967 Benzimidazole, Elister rust (pinus), Gibherellic acid, Indoleacetic acid, Plant disease resistance, Plant galls, Indoleacetic acid, Plant disease resistance, Plant galls, Plant regulators, Seedlings. Abstract: The application of the growth regulators indole-acetic acid and gibberellic acid of stems of white pine seedlings produced many symptoms characteristic of the di-sease caused hy blister rnst fungus, thus snggesting their possible involement in gall formation. When benzimidizole compound was applied, a wound peridem was initiated in seed-lings infected with hlister rust, but not in bealthy ones. 14347-68 4347-68 THE STRUCTURE-ACTIVITY RELATIONSHIPS OF A NEW GROUP OF PYBIDINE ALKANE AND CAREINOL FUNGICIDES. (AESTRACT). I E Brown J W Wbaley H H Taylor E H Van Beyningen Pbytopatbology 57(B):8005-806 Aug 1967 464.8 P56 Carhinol, Erysipbe polygoni, Fungicides, Fungus diseases (plants), Grasses, Paraffins, Pyridine compounds. 14348-68 EFFECTS OF LIGHT ON SPORULATION OF CERCOSPORA BETICOLA. L Calpouzos G F Stallknecht Pbytopathology 57(7):679-6B1 Jul 1967 464.8 P56 Cercospora beticola, Light. Abstract 14349-68 PHYTOPTBORA LEAF FALL AND POD BOT OF HEVEA BRASILIENSIS IN THAILAND. K R Chee J M F Greenwood Pao Plant Protect Eull 16(1):1-5 MAP, REP Peb 1968 421 P692 Peb 1968 421 P692 Pungus diseases (plants), Revea brasiliensis, Pbytopbthora meadii, Phytopbthora palmivora. Ahstract: Leaf fall was observed throughout the rnbher-growing areas of Tbailand, except in the soutbeast region. Leaf fall and pod rot were most severe in the nortbeast provinces, moderate in the southwest, and slight in the west. Strains of the causal fungns fell into two groups. Tbeir identity has not been established, but most isolates can probably be assigned to Pbytophthorh meadii, and the remainder, of much rarer occurrence, to P. palmivora. 14350-68 GREENHOUSE EVALUATION OF FUNGICIDES FOR CONTROL OF RICE BLAST DISEASE. (ARSTRACT). B S Cbow Psycopathology 57(8):806 Aug 1967 464.B 256 Blast (rice), Fungicides, Fungus diseases (plants), Greenbonses, Piricularia oryzae, Rice. 14351-68 TRISTEZA STRAIN COMFARISONS IN FLORIDA. (ARSTRACT). 8 Coben Phytopathology 57(8):807 Aug 1967 464.8 P56 Citrus, Grapefruit, Tristeza (citrus). 14352-68 OAK WILT INCIDENCE RELATED TO SITE PRODUCTIVITY IN HAMPSHIRE COUNTY, W. VA. (ABSTRACT). W L Cones R P Trne Pbytopatbology 57(8):807 Aug 1967 464.8 P56 Pungus diseases (plants), Quercus, Wilt (guercus). 14353-68 THE EFFECT OF XANTBOMONAS VESICATORIA ON PERMEABILITY IN RESISTANT AND SUSCEPTIBLE PEPPER LEAVES. (ARSIRACT). A A Cook B E Stall Pbytopathology 57(8):807 Aug 1967 464.8 P56 Bacterial diseases (plants), Busb redpeppers (vegetable), Plant disease resistance, Xantbomonas vesicatoria. 14354-68 OCCURRENCE OF RBIZOCTONIA SPP. IN SEEDS OF SMALL GRAINS AND OTRER PLANTS. W P Crosier J J Natti D C Crosier Pbytopathology 57(8):808 Aug 1967 464.8 P56 Pield crops, Pungus diseases (plants), Grain, Ornamental plants, Rbizoctonia, Seed treatment, Vegetables.

RIBLIOGBAPBY

20 14355-68 14355-68 COFFLEMENTATION IN DIKARYONS AND DIFLOIDS. (ABSTRACT). P B Day F b Lay Ebytopathology 57(8):80B Aug 1967 444.6 E56 Cell divisiou, Coprinus lagopus, Euzymes, Fungi, Mutation, Farasitic plauts, Flart biochemistry, Ustilago maydis. 14356-61 ADDITIONAL FUNGI ASSOCIATED WITH AMERICAN BEECH IN NEW YCBF. B C De Greet Nyccfathol Mycol Affl 32(4):35(-359 13 Sef 1967 45D M594 Pagus granditolia, Fungns diseases (plants). 14357-66 THE EFFECT OF VISIELE AND NEAR-VISIELE BADIATION ON THE SFCEDIATICE CE HELMINTBCSFCFIDM VAGANS. (AESTRACT). K I Deabl E S Ellictt Phytopathclogy 57(8):BD8 Aug 1967 464.6 £56 Puugus diseases (plauts), Belmiuthosporinm wagaus, Light, Eca pratensis, Ditraviolet rays. 14358-66 IJSO=tt INCCEFORATION OF E3- AND C14-LAEELED OBOTIC ACID INTO BIECAUCIFIC ACID OF ISCLATED FEAN RUST MYCELIUM. (ABSTBACT). R M Dekhuijzen H Siugh B C Staples Phytopathology 57(8):808 Aug 1967 444.6 F56 Feaus, Carbou isotopes, Puugus diseases (plauts), Orotic acid, Paddonation Anoneco Paddanatic Duck (board) Paddanatic Badioactive tracers, Bitouucleic acid, Bust (beaus), Tritium, Uromyces phaseoli. 14359-68 SCHE FRCPERTIES OF BYPEAE ISCIATED FROM REAN LEAVES INFECTED WITH FEAR FUST FUNGDS. B M Dekbuijzeu H Singh R C Staples Boyce Thempseu Inst Coutrib 23(11):367-372 REP Jul 1967 451 E69 Beaus, Euugus diseases (plants), Bnst (beaus), Dromyces phasecli. 14360-66 DECLINE OF BED CLOVEB PLANTS INEECTED WITH BED CLOVER VEIN MCSAIC VIRUS AND EDSABIUM SPECIES. (ABSTRACT). S J Debis E S Elliott Phytopathclogy 57(8):808-809 Ang 1967 464.6 F56 Fnugus diseases (plants), Fusarium, Bed clover, Veiu mosaic (red clover), Virus diseases (plauts). 14361-66 4361-66 SUBTLE EFFECTS CP FEFEZING CN TBE SENSITIVITY OF TOBACCO MCSAIC VIEDS TO ALKALINE DEGEAFATION. (AESTBACT). P B Destardius T C Dieuer Phytoprathology 57(8):809 Aug 1967 444.F F56 Alkaliee, Freeziug, Bydrogeu-ion couceutratiou, Bosaic (tctacco), Tobacco, Virus diseases (plants). 14362-68 EFFECT CE TEMFFEATDEE ON DEVELCEMENT OF LOCAL LESIONS ON TORACCO IFAVES INCODIATED WITH TORACCO STREAK VIBDS. (ARSTEACT) . S Diachcu Fbytopathology 57(6):809 Aug 1967 464.6 F56 Streak (tolacco), Temperature, Tobacco, Virus diseases (flauts). 14363-68 TRE EFFECT OF INOCOLDS POTENTIAL OR THE RESPONSE OF EUSKEELCN VABIETIES TO FDSAFIDM OXYSPORDM F. SP. EELONIS. (AESTBACT). E R Couglas EhytoFathclcgy 57(8):809 Aug 1967 464.6 F56 Fuggus diseases (Flauts), Fusarium oxysporum, Muskmelons, Wilt (muskwelcus). 14364-68 CORMANT SEASCH SDSCEPTIBILITY OF PEACE TO RACTEBIAL CANKER NOT BELATED TO BOVEBENT OF FSEUDOMONAS SYRINGAE. (AESTEACT). W M Dowler P D Kiug Ebytopathclogy 57(6):809-B10 Aug 1967 4(4.6 E56 Bacterial diseases (plauts), Canker (peaches), Peaches, PAGE 20

Plaut disease resistance, Pseudomonas syringae. 14365-68 RECOVERY OF EASTERN WHITE PINE FOLLCWING REDUCTION IN LEVELS OF AMELENTA AIR FOLLUTION. (ARSTRACT). E B Crummoud P A Wood Phytopathology 57(B):810 Aug 1967 464.8 P56 Air pollution, Fiuns strobns. 14366-68 GERMINATION OF MICROSCLEROTIA OF VERTICILLIUM ALRO-ATRUM IN SOIL. (ABSTRACT). D A Emaatty B J Greeu Phytopathology 57(8):810-811 Aug 1967 464.8 P56 Puugus diseases (plauts), Soil fnngi, Spore germiuation, Verticillium albo-atrum. 14367-68 DREDCSPORE PRODUCTION OF FIVE RACES OF PUCCINIA BECONDITA ROR. EX DESM. AS AFFECTED BY LIGBT AND TEMPERATDBE. Z Eval J L Petersou Cau J Bot 45(4):537-540 Apr 1967 470 C16C Apr 1967 470 Clock Pungus diseases (plauts), Leaf rust (wheat), Light, Pncciuia reccudita, Temperature, Wheat. 14368-68 BACTERIAL STINDLATION OF CHLAMYDOSPORE PRODUCTION IN FDSARIDM SOLANI F. SP. PHASEOLI. (ABSTRACT). E J Pord E E Trujillc Phytopathology 57(8):811 Aug 1967 464.8 P56 Bacteria, Fuugus diseases (plauts), Fusarium solani, Plaut physiology. 14369-68 STDDIES ON POTASSIUM NOTBITION OF PLANTS. II. SOME EFFECTS OF PCTASSIUM DEFICIENCY ON THE OBGANIC ACIDS OF LEAVES. G G Ereemau J Sci Food Agr 18(12):569-576 REF Dec 1967 382 SO12 Acids, Reets, Calbage, Leaves, Lettuce, Lolium multiflornm, Plaut uutritioual deficiencies, Potassium, Pctatoes. 14370-68 ETRANOL SDPPBESSES DPTAKE AND METABOLISM OF GLUCOSE BY ARMILLARIA MELLEA. (ABSTRACT). H C Garraway Phytopathology 57(8):812 Aug 1967 464.8 p56 Armillaria mellea, Ethyl alcohol, Fungus diseases (plauts), Glucose, Hetabolism. 14371-68 COMPOSITIONS AND METHODS FOR CONTROLLING FDNGI, PATENT 3,378,438. Gatzi Ds Pateut Office Offic Gaz 849(3):782-783 16 Apr 1968 156.65 OP2 Amiues, Chemical coutrol (plaut diseases), Fuugicides, Fateuts. 14372-68 EFFECTS OF DEVING ON THE VIABILITY OF GERMINATED SPORES OF BOTRYTIS CINEBEA, CERCCSPOBA MDSAE, AND MONILINIA BUTATIS CINEBER, CERCOFOBR HDSRE, AND HONILINIA PBUCTICOIA. B M Good P G M Zathureczky Phytopathology 57 (7):719-722 Jul 1967 464.8 D56 Rotrytis ciuerea, Cercospora musae, Culture media, Dryiug, Mouiliuia fructicola, Mortality, Spore germination. Abstract 10373-68 37/3-68 BELATIONSHIP OF BOOT KNOT NEMATODES TO PATBOGENIC VARIABILITY IN FDSABIUM OXYSPOBUM F. SP. LTCOPEBSICI. H J Goode J M McGuire Phytopathology 57 (8):812 Aug 1967 464.8 F56 Fungus diseases (plauts), Fusarium oxysporum, Molaideare incompany of the back of Tarabase Meloidogyue incognita, Plaut uematodes, Tomatoes. 19374-68 A POSSIBLE BIOCHEMICAL BASIS FOB THE BYPEBSENSITIVE REACTION INDUCED IN PLANTS BY PATROGENIC EACTERIA. (ABSTRACT). B N Goodmau Phytopathology 57(8):812-813 Aug 1967 464.8 P56

BIELIOGEAPHY

20 14394-68

Bacterial discases (plauts), Chemicals, Hypersensitivity, Necrosis, Flaut bicchemistry, Plauts, Tohacco. 14375-66 3/3-66 A GUANIITATIVE METROU FOR THE ISOLATION OF PYTHIUM SPECIFS FECH SCII USING SWEEL CCEN. (AMSIFACT). B W Goth J F Dervay F J Schick Ehytopathology 57 (8):813 Aug 1967 464.6 F56 Fundus diseases (rlants). Plant quarantine. Pythium Fugus diseases (Flauts), Plaut guarautiue, Pythium, Foot rot (Leans), Scil fungi, Sweet ccru, Sweetcorn. 14376-66 A SERCLOGICAL COMPARISON OF BACKS 1 AND 2 OF PSEUDOMONAS FHASFCIICCIA. (AESIFACT). J W Guthrie EhytopathcIcgy 57(8):B13 Aug 1967 464.6 E56 Bacterial diseases (plauts), Escudomonas phaseolicola, Serological tests. 14377-66 INTEACEILULAE AND EXTRACELLULAE ENZYMES FROM FHYTOPETHORA INTEACTIOUAN AND EXTRACELLUIAE ENZYMES FROM FHYTOPETHORA CIENAECFI. (AESTRACT). B Ball G A Zeutmyer Fhytopathclegy 57(8):813 Aug 1567 464.6 P56 Cells, Culture media, Euzymes, Fungus diseases (plauts), Fhytophthcra ciuuamemi. 14378-68 BEBAKDOWN OF PECTIN AT PE VALUES ENCOUNTERED IN FUSABIUM SOLANI F. SF. CUCUBFITAE-INFECTED SQUASH HYPOCOTYLS. (ABSIFACT) . G Rancock Fhytopathclcgy 57(E):813 Aug 1967 464.6 P56 Pungus diseases (Flants), Fusarium solani, Hydrogen-icn concentration, Pectins, Squash. 14379-66 STUUIES ON A NEW DEFECTIVE STRAIN OF TOBACCO MOSAIC VIRUS. (AESTFACT) . V Bariharasutramaniau A Siegel PhytoFathclcgy 57 (B) :814 Aug 1967 464.6 F56 Mosaic (tctacco), Tcbacco, Virus diseases (plauts). 14380-68 SEEC EXQUATE IN BELATION TO TEMPEBATURE AND PHEEMERGENCE DAMFING-CEF. (AESTEACT). E S Eaymau Fhytogathclcgy 57(6):814 Aug 1567 464.6 P56 Cotton, Damping-off (Cotton), Exudates, Seed germiuatiou, Temperature. 14381-68 UOTRISTEONA NEEULE ELIGET CE PINES. 6. FIELD CONTROL WITH TIMFE COFFEE SEFAYS. U Rockiug Arusha Trop Pesticides Res Iust Misc Hep 572,11 P Jul 1966 423.52 G7522 Copper compounds, Fungus diseases (plauts), Needle Elight (Finns), Pinns radiata, Spraying, Tree diseases. 14362-66 PLANT DISEASE PITFALLS FOR FIGH YIFLDING WHEATS IN INDIA. C S Ecltcu Iudiau Fhytopathcl 20(3):183-188 Ser 1567 464.8 IN2 Crop yields, Ieaf spct (wheat), Plant diseases, Fowdery mildew (wheat), Root rot (wheat), Stripe rust (grain), Wheat. 14383-68 INREBITANCE OF MATURE FLANT BESISTANCE TO BUST IN CORN. (AESIEACI). A L Bcoker Fhytopathclcgy 57(8):815 Aug 1967 464.6 P56 COTU, Fuugus diseases (plants), Plaut disease resistance, Flaut genetics, Bust (coru). 14364-68 EFFECT OF FTRANOL FIXATION ON POTATO VIRUS & PARTICLES. (ABSIEACI) . W J Ecoker Fhytcpathclogy 57(8):815 Aug 1967 464.6 F56

Ethyl alcohol, Potatoes, Virus diseases (plants), Virus x (potatoes). 14385-68 EFFECT OF TOBACCO FTCE VIBUS ON PHOTOSYNTRESIS. (ABSIRACT). D L Boykius R E Hartou Phytopathology 57(8):815 Aug 1967 464.8 P56 Etch (tohacco), Photosyuthesis, Tohacco, Virus diseases (flauts). 14386-68 PLANT CELLULAE RESPONSES TO NEMATODE EXTRACTS. (ABSTRACT). R K Howell R S Hussey Phytopathology 57 (B):815 Aug 1967 464.8 P56 Animal extracts, Cells, Ditylenchus dipsaci, Peas, Plaut uematodes. 14387-68 TELIOSPORE FORMATICN BY PUCCINIA RECONUITA F. SP. TRITICI TELEOSPORE FOURMATICN BY POCCINIA RECON ON SEFELING WRBAT FLANTS. A O Jackson B C Young Phytopathology 57(7):793-794 Jul 1967 464.8 P56 Leaf rust (wheat), Puccinia recoudita. 14388-68 TRE SPECIES UBEDINALES ON BROMUS. M J Kaufmann Mycopathol Mycol Appl 32(4):249-261 13 Sep 1967 450 M994 Bromus, Fuugus diseases (plants), Puccinia, Rust (Bromus), Uredinales, Uredo, Uromyces. 14389-68 METHOU OF PROTECTING PLANTS WITH 2, 1, 3-BENZODITHIADIAZOLE COMPCUNDS: PATERIA 3, 382, 146. R Koopman A Temple US Patent Office Offic Gaz 850(1):240-241 U7 May 1568 156.65 0F2 Benzodithiadiazoles, Fungicides, Pateuts. 14390-6R EFFECT OF CARBON SOURCES ON THE GROWTH OF PYTHIUM APRANIDERMATUM (EDSON) FITZ. M Kumar R K Grover Iudian Phytopathol 20(3):189-195 REP Sep 1967 464.8 IN2 Carhen compounds, Fungus diseases (plauts), Hydrogen-ion concentration, Plant physiology, Pythium aphanidermatum. 14391-68 BERAVIOE OF CHLAMYDOSPORES AND ENDOCONDIA OF THIELAVIOPSIS BASICOLA IN NONSTERILIZED SOIL. E G Liuderman T A Tcussouu Phytopathology 57(7):729-731 Jul 1967 464.8 P56 Culture media, Soil moisture, Spore germination, Thielaviopsis hasicola. Abstract 14392-68 INHIBITION OF PHENOL OXIUATION BY ERWINIA CAROTOVORA IN POTATO TUBER TISSUE AND ITS SIGNIFICANCE IN UISEASE BESISTANCE. L Lovrekovich R Lovrekovich M & Stahmaun Phytopathology 57 (7):737-742 Jul 1967 464.8 P56 Racterial soft rot (potatoes), Enzymes, Erwinia carotovora, Phenols, Plaut disease resistance, Potatoes. Abstract 14393-68 THE CYTOLOGY OF INFECTION STRUCTURE DEVELOPMENT IN UREDIOSPORE GEEN TUBES OF UROMYCES PRASEOLI VAR. TYPICA (PEBS.) WINT. B Maheshwari A C Hildebrandt P J Allen Can J Bot 45(4):447-450 REP Apr 1967 470 C16C Beaus, Feulgeu test, Fungus diseases (plauts), Plaut cytology, Spore germination, Uredinales, Uromyces phaseoli typica. 14394-6B THEBHAL STABILITY OF STEM BUST RESISTANCE IN OAT SEEDLINGS. J W Martens F I B McKeuzie G J Green Can J Bot 45(4):451-458 BEP Apr 1967 470 C16C Fungus diseases (plants), Oats, Plant disease resistance,

BIBLIOGBAPBY

20 14395-68 Flant genetics, Euccinia graminis avenae, Stem rust (oats), lemperature. Temperature. Abstract: Six of the identified genes for stem rust resistance in oats are divided into 3 categories of thermal sensitivity: resistance confered by genes A and D is stable; that conferred by genes B and P 'breaks down' at intermediate temperatures; and that conferred by genes B and F breaks down at relatively low temperatures. 14395-68 VARIABILITY AND THE INHEBITANCE OF MODEHOLOGICAL MUTANTS IN FYFFACEPORA TERES ■ C EcDenald Phytopathology 57(7):747-755 REF Jul 1967 464.6 E56 Flast scrphology, Fyrencphora teres. Abstract 14396-88 GEEMINATICN AND INFECTION OF CITHUS BY ASCOSPOHES OF GUIGNAHEIA CITEICABEA IN HELATICN TO CONTHCI OF BLACK SECI K C ECOFIE Ebytopathclc9y 57(7):743-746 Jul 1967 464.8 E58 Elack srot (citrus), Chemical control (plant diseases), Citrus, Guignardia citricarra, Spore germination. Abstract 14397-88 SURVIVAL AND SAPHOFBYTIC GROWTH OF VEHTICILLIUM DAHLIAE IN UNCHCEFFE SOIL. J C Menzies G E Griebel Phytopathclogy 57(7):703-709 Jnl 1967 484.8 F56 Soil accondents, Soil moistnre, Soil-torne plant diseases, Verticilling dabliae. Abstract 14398-55 FACICES APPFCIING THE PHOEUCTION OF PECTINOLYTIC ENZYMES HY GLCECSFCFICM FSICII, THE CAUSAL AGENT OF FBUIT HOT OF GUAVA (FSICIUM GUAJAUA L.). S & Bidha J S Chohan Indian Fhytcpathol 20(3):215-219 REF Sep 1967 444.6 IN2 Culture media, Enzymes, Enngus diseases (plants), Gleecspering psidii, Guavas. 14399-68 FUNGICICAL ACTIVITY AND PHYTOTOXICITY OF CENTAIN MENCURIALS USFE TO CONTECT FUSABIUM HASAL BOT OF NARCISSUS PULHS. V I Biller C J Gould Phytopathology 57 (7):777-781 HFF Jul 1567 464.8 P56 Basal rot (narcissus), Chemical control (plant diseases), Fungicides, Fnsarium, Mercury compounds. Abstract 10400-68 EFFECT OF LEAF HUST ON VIELD OF SOME STEM HUST BESISTANT WHFAIS OF FAHABASHIHA. M L Mutkekar V F Fhide Indian Fhytopathcl 20(3):206-210 Sep 1967 464.6 IN2 Crop losses, Crop varieties, Crop yields, Fungus diseases (plants), Irrigation, Leaf rust (wheat), Plant disease resistance, Stem rnst (wheat), Sulfnr. 14401-68 PECCESS FCE CONTBOLLING FUNGI WITH ITEACONAMIC ESTERS. PAIFNI 2,975 .58. B F Beighleid Us Fatent Office Offic Gaz 848(4):1034 26 Mar 1566 156.55 0E2 Chemical control (plant diseases), Esters, Pungicides, Methylene-succinamic acid, 2(or 3)-. 14402-68 EPFFCI CF LECOBTICATION AND FUNGICICE ON PERPORMANCE OP TABLE BEFI SEED. N B Feck E E Clark J J Natti N B FECK E E CLAIK J J NATTI Agron J 59(1);78-60 Jan 1567 4 AM54E Beets, Dimethylaminobenzenediazo sodinm snlfonate, p-, Fungicides, Flant physiology, Seed germination, Seed treatment, Thiram. Abstract: Leccrtication of table beet seedballs had no adverse effects on seed germination, seedling growth, and performance of Arasan and Dexon seed treatments. Under

dry soil condition Arasan and Dexon delayed seedling emergence. Dexon also reduced stands. Under moist soil conditions, Arasan and Dexon produced significantly more seedlings. Variable soil moisture conditions contributed to significant interactions between planting dates and fungicide or seedball size in field tests. 14403-68 FEPECT OF INSECTICIDAL SPHAYS ON STUNT AND MOSAIC VIRUS DISEASES OF COHN IN SMALL FIFLD PLOTS IN MISSISSIPPI. H N Pitre J Econ Entonol 61(2):585-587 REF Apr 1968 421 J822 Corn, Dalbulus maidis, Graminella nigrifrons, Insecticides, Mosaic (corn), Plant disease transmission, Spraying, Stunt (corn). 14404-68 IMPATIENS PARVIPLOBA EC.- A NATURAL HOST OF CABBAGE BLACK BINGSPOT AND CUCUMEFE MOSAIC VIRUSES. Z Polak Biol Plant 9(5):354-359 REP 1967 450 B52 Elack ring spot (cabbage), Cabbage, Cncumbers, Impatiens parviflora, Hosaic (cucnubers), Virus diseases (plants), Weeds. 14405-68 THE MOSAIC DISEASE OF MULLEIN, VERHASCUM THAPSIFORME SCHRADEH, OCCUHING IN CZECHOSLOVAKIA. Z Polak S Nembaner Biol Flant 9(5):360-367 HEF 1967 450 E52 Mosaic (Verbascnm), Plant disease transmission, Verbascum thapsifcrme, Virns diseases (plants). 14406-68 HEDUCED WINTER SURVIVAL AND YIELD OF CLOVER INPECTED WITH CLOVER YELLOW MOSAIC VIEUS. M J Pratt Can J Plant Sci 47(3):289-294 May 1967 450 C16 May 1967 450 C16 Clover, Crop yields, Virns diseases (plants), Yellow mosaic (clover). Abstract: Yield and stand was recorded of clover infected with CYMV. A pattern of deterioration was established. The involement of fungal pathogens in further reducing the winter survival of CYMV-INPECTED clover is discussed. 14407-68 CONTROLLING FUNGI WITH 1,2-DICHLOROVINYL HYDBOXYETHYL SUFFIDE PATENT 3,345,255. G R Price M B McClellan US Patent Office Offic Gaz 843(1):255 03 Oct 1967 156.65 OP2 Chemical control (plant diseases), Dichlorovinyl bydroxyethyl sulfide, 1,2-, Pungicides, Patents. 14408-68 CHANGES IN PFACH THEFS (CV. HED HAVEN) ATTACKED HY TAPHRINA DEFORMANS, WITH PARTICULAR REPERENCE TO NITROGEN METABOLISM IN INFECTED AND NON-INFECTED LEAVES. V Raggi Can J Hot 45(4):459-477 HEP Apr 1967 470 C16C Amino acids, Fungns diseases (plants), Glycolysis, Leaf curl (peaches), Leaves, Nitrogen, Peaches, Plant metabolism, Taphrina deformans. 14409-68 PHEDICTION OF PLANT DISEASE OCCUBHENCE; A PATHO-GEOGRAPHICAL APPHOACH. I Heichert J Palti Hycopathol Mycol Appl 32(4):337-355, MAP, BEP 13 Sep 1967 450 M994 Bacterial diseases (pAants), Fungus diseases (plants), Flant disease forecasting, Plant ecology, Plant geography, Plant disease forecasting, Plant ecology, Plant geography, Plant guarantine. Abstract: This approach may be useful as a basis for guarantine regulations. A further use of this approach is the establishment of seasonal thresholds for plant disease appearance, i.e. dates before which a disease will not occur in a given locality. 14410-68 PUBTHER STUDIES ON MOSAIC DISEASE OF MAIZE (ZEA MAYS L.). M L Seth S P Baychandhnri Biol Plant 9 (5): 372-376 BEP 1967 450 B52 Corn, Insect vectors, Mosaic (corn), Schizaphis graminna,

BIBLIOGEAPBY

20 14427-68

Virus diseases (plants). Abstract: On basis of similar properties, tolerance towards certain chemicals, host range, symptomatology, aphid vec-tors, and immunological tests, that maize mosaic virus and sugarcare mosaic virus are related viruses; both were tested in maize 14411-68 FFIDERICLEGICAL STUDIES ON ANTHRACNESF OF DIOSCOBEA ALATA L. (FATHU)-YAM. B U Singh & Frasad Indian Flytopathol 20(3):226-23€ REF Sep 1567 464.€ INZ Anthracnose (yams), Climate, Colletotrichum gloeosporioides, Fungus diseases (plants), Temperature, Yams. 14412-68 THE SURVIVAL IN SCIL OF ITERSONILIA PASTINACAE CHANNON, THE CAUSE OF FARSNIE CANKER. F & Swith Australian J Fiol Sci 20(3):E47-6EU REF Jun 1967 442.E AU72 Canker (parsnips), Fungus diseases (plants), Iterscnilia pastinacae, Mortality, Soil fungi. Abstract 14413-66 PFLARGCNIUM VIEUSES: SYMPTOMS, DIAGNOSIS AND CONTROL. (SW) W Sodergren Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(3-4):51-63 REF 1967 464.5 SHEV Felargonium, Flant disease control, Virus diseases (plants). 14414-68 WCOE TANNINS. ISOLATION AND SIGNIFICANCE IN BOST BFSISIANCE IO VERTICILLIUM WILT DISFASE. T C Scmers A F Harrison Australian J Biol Sci 2U(2):475-479 BEF Apri 1567 442.6 AU72 Apricts, Elackheart wilt (arricots), Phenols, Flant disease resistance, Tannins, Verticillium albo-atrum, Wood. 14415-68 ATTACK CF CNICNS EY FRYTOFRTHCFA FORRI. (DU) G & Tichelaar Van E A Kesteren Neth J Flant Fathel 43(3):103-104 1967 464.8 144 Pungus diseases (plants), Leaf spct (onions), Onions, Fhytophthcia perri. First recerd on onions. 14416-68 A SFETAL CILUTION END-POINT METHOD FOR ESTIMATING DISEASE FOTENTIALS OF CITEUS PHYTOFETHORAS IN SOIL. P H Tsac Phytopathclcgy 50(10):717-723 BIBL. 723-724, TABS. Uct 1960 444.6 P56 Citrus, Fungus diseases (plants), Phytophthora, Soil fungi, Soil-Forme plant diseases. 14417-68 INFIUENCE CE SOMF NUCLEIC ACIE VETABOLISM INHIBITCRS ON TRE SYNTRFSIS CF ALKALINE PROTEASE AND ALPHA-AMYLASE IN ASFFEGIILUS OFYZAF. H Urbanek & Maciejewska-Potapczyk T Kowalczyk Acta Hicrofiol Felen 16(3):237-242 REF 1967 448.3 ACE2 Amylase, alpha-, Antimetabolites, Aspergillus oryzae, Nucleic acids, Frcteinases. Abstract 14418-68 CCCUFENCE CE A MCSAIC DISFASE CN BRINJAL. G S VETRA E Lal Indian Fhytopathcl 20(3):243-247 Sep 1567 464.6 IN2 Figiflant, Insect vectors, Mcsaic (eggplant), Myzus persicae, plant disease trarsmission, Sap, Virus diseases (plants). 14419-68 FNDCGENCUS RESPIRATION OF WRFAT STFM RUST UREDOSPORES. FROGERCUS BESTRATION OF WEAT STRE BUST ON FG Williams F J Allen Fhytopathclogy 57(7):656-661 BFF Jul 1567 464.2 F56 Pungus diseases (plants), Plant respiration, Puccinia graminis, Stem rust (wheat). Abstract

14420-68 ULTRASTRUCTURAL STUDIES ON THE HOST-PARASITE RELATIONS OF PLASMOLCPROFA BRASSICAE. P H Williams Y E Yukawa Phytopathology 57 (7): 622-687 REF Jul 1967 464.8 P56 Brassica, Catbage, Clubroot (crnciferae), Electron microscopy, Plasmodiophora brassicae, Ultrastructure. Abstract 14421-68 ELECTRON MICROSCCPY OF DOUBLE-STRANDEU RNA INCUCEU BY TURNIF YELLOW MOSAIC VIRUS ANU TOBACCO MOSAIC VIRUS. D R Wolstenholme L E Bockstahler Z Vererbungslehre 100(4):349-357 REP 1967 442.8 Z34 442.8 Cabbage, Electron microscopy, Mosaic (tobacco), Ribonucleic acid, Totacco, Virus diseases (plants), Yellow mosaic (cabbage). Abstract 14422-68 STUDY OF PARASITIC FUNGI OF SOUTHEAST ASIA. VII. FOURTH NOTE ON SOME CERCOSPORA AND STENELLA FROM SINGAFORE (MALAYSIA). (FR) J M Yen Rev Mycol 32(3):177-210 Nov 1967 450 AN74 Cercospora, Fungus diseases (plants), Stenella. 14423-SIGNIFICANCE OF SEEULING RUST RESISTANCE OF SAFFLOWER AND ITS RELATIONSHIP TO FOLIAGE RUST RESISTANCE. DE Zimer A L Urie Phytopathology 57(7):772-776 REP Jul 1967 464.8 P56 Crop varieties, Pungus diseases (plants), Leaves, Plant disease resistance, Puccinia carthami, Rust (safflower), Seedlings. Abstract

Arthropods

14424-68 THE SADDLE GALL MIUGE (HAPLODIPLOSIS EQUESTRIS) IN 1967. (SW K Andersson Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 32(1):8-12 1968 464.9 SW3V Desci Control (insects), Diazinon, Grain, Raplodiplosis equestris, Insect traps, Insecticide application. Trapping determines proper timing of insecticide application. 14425-68 NOTE ON DAMAGE TO GRASSES IN THE PEACE RIVER REGION BY THE SPITLEBUG, PHILARONIA BILINEATA SAY, (CERCOPIDAE: HEMIPTERA). D A Arnott I Bergis Entomol Soc Brit Columbia Proc 64:8-9 01 Aug 1967 420 877 Grasses, Philaronia bilineata. Abstract 14426-68 THE PROTECTION OF PLANT COLLECTIONS FROM PESTS. 3. (RUS) V G Rer Rot Zhur (moscow) 52(2):240-248 REF Feb 1967 451 R923 Berbariums, Insect pests, Plant pest control. 14427-68 A NOTEWORTHY ATTACK BY PHYLLOBIUS VIRIDICOLLIS IN CLOVER FIFLD. (SW) A Borg Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6)85-86 1967 464.9 SW3V Clover, Phyllobius viridicollis.

RIRLIOGRAPHY

20 14426-68

14428-EE WEEVILS (SITCHA SPECIES) ON CULTIVATED LEGUMES. (SW) A Ecrg Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):76-79 1967 464.9 513V Legnmes, Flant pests, Sitona. 14429-68 THE FELATIVE FFFICIENCY OF AFRIAL AFFLICATION OF DITRA-LOW-VCIDEE AND EBULSIFIAFLE CONCENTEATE FORMULATIONS OF INSECTICIDES. J B Erazzel W W Watson J S Bursh M H Adair J Econ Entemol 61(2):408-413 EEF Apr 1968 421 J822 Aerial spraying, Ewnisions, Formulations, Insecticide application, DItra low volume applications. Abstract 14430-66 PERSISTENCE OF HELICTHIS NDCLEAS-POLYREDROSIS VIRDS ON COITCE FOILAGE. Enllcck J Invertebrate Fatbol 9(3):434-436 Scp 1967 421 J826 Eiological assay, Cotton, Heliothis virescens, Heliothis zea, Insect diseases, Folyhedroses, Snrface-active agents. 14431-66 REAUVERIA FASSIANA INFECTING ADULT CLOVER ROOT CDRCDLIOS IN MISSCOBI. W R Crow E Futtler D M Daugberty J ECOD Entceol 61(2):576-577 Apr 1966 421 J822 Beauveria tassiana, Insect diseases, Sitona hispidula. 14432-66 EDETHER COPPENT ON F32 LARELING MATERIAL IN THE BODY OF APHIS FAFAE SCCF. AND ITS LARVAE (HOMOPTERA, AFHIDIDAE). (CE) T Canreel Z Angew Zool 54(3):433-434 1967 445.6 236 Aphis fatae, Larvae, Phosphorus isotopes, Badioactive tracers. 14433-66 LCS-VCLDMF AFFLICATICN OF MALATHION BY RELICCITES FOR CCNTECLIING LABCE CASEEFARES. E E Centem S Innack J Econ Entemol 61(2):582-583 Apr 1966 421 J822 Aprial spraying, Agathis pnmila, Chemical control (insects), Colecphera laricella, Helicopters, Larix occidentalis, Low wolnme applications, Balathion, Parasitic insects. 14434-68 BOIFS ON A SPEUCE EARK WEEVIL, FISSODES ALASCENSIS ECFRIDS (CCLECFIEFA: CDRCDLIONIDAE), IN BRITISR COLDMEIA. D E Dcidge Entomci Scc Brit Colnmbia Proc 64:63-66,MAP 01 Ang 1967 420 E77 Eorest insects, Insect biology, Picea, Pissodes alascensis. Abstract 14435-68 GENEBAL INSECT ACTIVITY ON RISE IN MARCE. K Derward Agr Chem 15(5):66, 109-110 May 1960 361 AG8 Anthonomne grandie, Aphididae. 14436-66 EDROFFAN CORN BORES SURVEY FINDS CODN'S GENERALLY LOWER. K Dorward Agr Chem 15(2):71 Feb 1960 381 AG8 Anthonowns grandis, Burgantia, Cstrinia, Population statistics, Schizaphis. 14437-68 CCNE INSECTS OF GEAND FIF, AFIES GRANDIS (DOUGLAS) LINDLEY, IN EENTISE COLDMEIA. A F Redlin Entomell Scc Brit Colnmbia Proc 64:40-44 O1 Ang 1967 420 277 Abies grandis, Cecidomyiidae, Chaicidae, Cones, Earomyia alietum, Forest insects, Gali-making insects, Legidcptera. Abstract

14438-68 GARDEN PESTS AND DISEASES; A GUIDE TO RECOGNITION AND CON-TROL. SE603.5.H4. A G L Hellyer 96 P. LONDON, COLLINGRIDGE 1966 Disease control, Pumigants, Pungicides, Gardens, Randbooks, Insect pests, Insecticides, Pest controi, Piant protection, Vegetables. 14439-68 TOXICITY OF SOME INSECTICIDES TO LARVAE OF CODLING MOTH AFTER TREY ENTER APPLES. W S Rough J Econ Entonol 55(3):378-381 Jnn 1962 421 J822 Apples, Carpocapsa pomonelia, Insecticides, Larvae, Toxicity. 14440-68 THE AGMY CDIWORN AS A FEST OF MDSTARD. L A Jacobson J Econ Entomol 55(3):408-409 Jnn 1962 421 J822 Cborizagrotis anxiliaris, Insect controi, Enstard. 14441-6R THE CONTROL OF PRIT FLY, OSCINELLA PEIT (L.), IN SWEET CORN (ZEA MAYS) BY THIMET (O,O-DIETRYL S-ETRYLTHIOMETHYL PROSPHORODITHIOATE). W F Jepson P Mathias Rull Entomol Res 51(3):427-433 Nov 1960 421 B87 Corn, Oscinella frit, Phorate. 14442-68 OCCURBENCE OF RREVIPALPDS MITES, LEFROSIS, AND PALSE LEFROSIS ON CITRUS IN FLORIDA. L C Rhorr H & Denmark R C Rurnett Fla Entomol 51(1):11-17,8AP Mar 1968 420 P662 Rrevipalpns, Citrus, Leprosis (citrus), Bites, Plant diseases. 14443-68 SOIL AND STAND CONDITIONS RELATED TO SOUTBERN PINE RFEILE ACTIVITY IN BARDIN CCUNTY, TEXAS. P L Lorio J Econ Entonol 61(2):565-566 Apr 1968 421 J622 Dendroctonns frontalis, Drainage, Eorest insects, Pinns, Soils. 14444-68 AN INSECTICIDAL APPLICATION FOR INTEGRATED CONTROL OF THE RECWN PLANTRCPPER IN FACDY RICE. B J BacQuilian J Econ Entomol 61(2):568-569 Apr 1968 421 J822 Eormalations, Integrated control (insects), Mecarham, Nilaparvata lngens, Rice. 14445-68 LARORATORY TESTS OF ULTRA-LOW-VOLUME AND CONVENTIONAL LOW-VOLDEE SPRAYS FOR CONTROLLING THE ROLLWORD AND THE TORACCO BUDWORM. S J Nemec P L Adkisson R W Dorongh J Econ Entomol 61(1):209-213 REF Eeb 1968 421 J822 Chemical control (insects), Heliothis virescens, Reliothis zea, Low volume application, Spraying, Oltra low volume application Abstract 14446-68 A MITE AS A PEST OF YOUNG PLDM TREES. (SW) K Olsson Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(3-4):40-45 1967 464.9 SW3V Aculns fockeni, Mites, Plant pests, Plans. 14447-68 A SMALL SCALE FIELD TRIAL ATTEMPTING TO CONTROL RED SPIDER BITES ON GRODNDNDTS WITH ARAMITE AND METASYSTOY AT ARDSHA AITES ON GROUNDADDTS WITH ARAMITE AND METASYSTOY AT ARDSHA IN THE DRY SEASON. B H Parish B E A Matern Arusha Trop Pesticides Res Inst Misc Rep 487,5 P Dec 1964 423.92 G7922 Acaricides, Aramite, Insect control, Methyl demeton, Peannts, Tetranychus tolarius.

HIHLIOGHAPHY

20 14462-68

14448-68 OCCUBEFACE CF EBACCN GELECHIAF ASHMEAD AS A PARASITE OF PCTAIC IUFFE NCTF, GNCHIMCSCHEMA OPERCUELLA (ZELLEH) IN THE FIFID IN PASCHE STATE AND ASSAM AND ITS OTHER HOSTS BECCHEFE IN INCIN. V F Hao K Fawachandran Nair Commenwealth Inst Fiel Contr Tech Bull 9:73-75 Oct 1967 423.92 C7331 Bracon gelechiae, Gnorimoschema opercolella, Host specificity, Ichreumcnidae, Insect gests, Parasitic insects, Potatoes. 14449-68 CONTHCL OF THE AFFIC AMOPHOFOPHORA AGATHONICA IN RASEFFREY ADESERY STOCK. G A Schaefers 3 For Fitterol 61(2):384-387 Åpr 1968 421 J822 Åmphorophora agathonica, Chemical control (insects), Fruit nurseries, Insecticides, Kaspterries. Abstract 14450-68 SCHE CONTECT EXPERIMENT IN THE LAHOBATORY OF THE BAPE BEETLE (MELIGETEES AENEUS F.) AND THE CAFEAGE SEEDPOD WEEVIL (CEUTCHEENNCEDS ASSIMILIS. PAYK.). (SW) K Schersaa Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):70-74 1987 464.9 SK3V Callage, Ceutorbyrchns assimilis, Chemical control (insects), Meligettes aeneus, Bare. 14451-68 EFFECT CF HCST PLANT CDOUH ON THE HEFAVIODE OF THE ADULT CAFFACE ECCT FLY, FHIOISCHIA FEASSICAE. B B B Trayrier Entercl Exp Appl 10 (3):321-328 1967 421 EN695 Cabhage, Carrots, Fcod plants, Bylemya brassicae, Insect behavior, Lettuce, Entabagas, Smell. German summary Abstract 19952-88 TEMFEFATURE, FLANT-GHOWTH STAGE, AND INSECT-POPULATION EFFECTS CN SEELLING SUBVIVAL OF HESISTANT AND SDSCEPTIBLE ALFAIEA INFESTED VITE PCTATC LEAFHCEPERS. J A Webster E L Scrensen H H Painter J Eccn Entcrol 61(1):142-145 HEF Peb 1566 421 J822 Alfalfa, Espoasca fabae, Insect populations, Plant Fest resistance, Seedlings, Statistical analysis, Temperature. Ahstract 14453-68 COTTON-INSECT CONTROL WITH LOW-VOLUME CONCENTRATES OF MALA-THICN AFFIIED BY AIHCRAFT. G P Webe I W Sheets J FCON ENTERNOI 58(6):1170-1171 Dec 1565 421 J822 Aircraft disinfestation, Cotton, Insect control, Malathion. 14454-68 THE MAHSH CRANE FLY, TIPDLA FALUDOSA MG., A NEW PEST IN HEITISH CCLUMFIA (LIPTEHA: TIFULIDAP). HEITISH CCLOBFIA (FIFIFHA: TIFULIDAE). A 1 S Wilkinscr. B F Baccarthy Entomcl Scc Frit Colnmbia Proc 64:29-34 HEF 01 Ang 1967 420 E77 Insect tiology, Insect pests, Lawns, Natoral control (insects), Farasitic insects, Pastores, Siphera geniculata, Tipula palodosa. Abstract

H. javanica were examined with UV microspectrograph. Bistochemical tests of both these types of larvae sn ed the results with microspectrograph and showed the snpportcontent of ducts of subventral esophageal glands change their chemical composition in 2 to 3 days of entering the host plant and hecome strongly periodic acid-Schiff positive. 14456-68 ALLYL DIALKYITHICLCARBAMATE NEMATOCIDES. PATENT 3,382,144. M W Harman J J DiAmico US Patent Office Offic Gaz 850(1):240 07 Hay 1968 156.65 0F2 Carhamates, Nematocides, Patents, Thiolcarbamates. 14457-68 ACETYLCHOLINESTEBASE AND HDTYBYLCHOLINESTEBASE IN THE LIVEH ACETYLCHOLINESTERASE AND HDTIRVLCHOLINESTERASE IN THE LI FURKE (FASCICLA HEFATICA). S Krvavica A Lui S Becejac Exp Parasitol 21(2):240 -248 REP Oct 1967 436.H EX7 Acetylcholinesterases, Cattle, Cholinesterases, Fasciola hepatica, Histochemistry. Abstract: A large gnantity of acetylcholinesterases was found in the weather of the chemistry. Anstract: A large guartity of acception intestenses was found in the muscles of the pharyn, the cirros, the cere-hral ganglion, and nerves of the liver flake. In both the sporocyst and the redia the acetylcholinesterase is located in the anterior part of the body; in the cercaria, however, acetylcholinesterase is present not only in the region of the c. ganglion but in the nerves and tail. 14458-68 WHAT CAN BE DEDDCED FROM THE POTATO CIST NEMATODE ANALISIS ACCORDING TO THE CIS1 FIGDRE?. (SW) G Videgard Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):29-31 1967 464.9 SW3V Beterodera rostochiensis, Plant nematodes, Potatoes. 14459-6H ATTACK HY THE POTATO CYST NEMATODE DOES NOT ALWAYS SHOW AHOVE THE GHOUND. (S%) G Videgard Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):21-22 1967 464.9 SW3V Reterodera rostochiensis, Plant nematodes, Potatoes. 14460 - 68THE OAT CYST NEMATODE ATTACKS ALL SPHING GRAIN. (SW) Swed Stat Vartskyddsanst Vartskyddsnotiser 31(5-6):88-90 1967 464.9 SW3V 14461-68 HOOT-LESION NEMATODES ASSOCIATED WITH FORAGE LEGUMES IN THE MARITIME PROVINCES. C B Willis L S Thompson Can Plant Dis Snrv 47(3):87-88 Sep 1967 464.9 C165

Histochemistry, Larvae, Meloidogyne javanica, Nematodes,

Parasitism, Spectrophotometry. Abstract: The esophageal regions of second-stage larvae of

Alfalfa, Birdsfoot trefoil, Clover, Forage plants, Legnmes, Plant nematodes, Pratylenchns. Abstract: Pratylenchns more nnmerons from red clover roots than from alfalfa, and were extracted from 46 of 70 root samples.

Weeds

Nematodes

14455-66 CRANGES ASSOCIATEE WITE PAHASITISH IN NEMATODES. II. HISTOCHEHICAL AND FICEOSPECTEOPHOTOMETRIC ANALYSES OF PHE-PAHASITIC AND FAEASITIC LARVAE OF MELOIDOGYNE JAVANICA. A F Hird W Sabrer J Farasitol 53(6):1262-1269 BFF Dec 1967 446.6 J824 14462-68 RECOHD AIE APPLICATION OF HEBHICIDE FORECAST FOR COTTON. Abodymons Aerial Appl 6(2):12 Feb 1968 333.8 AE8 Aerial weed control, Aircraft, Chemical control (weeds), Cotton, Herlicides.

2D 14463-68 14463~88 BEFEICITAL COMPOSITIONS AND PROCESSES OF CONTROLLING UNCESIRATIE PLANT SFECIES IN THE FRESENCE GE CRCPS THEBENITE. FATENT 3,351,45R. E D Ecndarenko US Patent Office Offic Gaz 844(1):250 07 Nov 1967 156.65 CP2 Chemical control (weeds), Crops, Herticides, Fatents, Weed control. 14484-68 DETCRIFICATION OF SOME REREICIDES BY STREETOMYCES. E C Ecunds A F Ccls∈r W€€ds 13(3):245-252, 9 REES. Jul 1565 75.8 W41 Jul 1565 75.6 W41 (tricklcrophenoxy, 2,4,5-) propionic acid, 2-, Chlorc-N.N-diallylacetamide, 2-, CIPC, Dalapon, Dicklorcphenol, 2,4-, Dichlcropropionic acid, 2,2-, Penac, Iscprcpyl N-(3-chlorophenyl) carbamate, Streptomyces viridechromogenes, T, 2,4,5-, Trichlorophenexyacetic acid, 2,4,5-, 1richlcrophenexyacetic acid, 2,4,5-, 2-(2,4,5-trichlorephenoxy) propionic acid, 2,4-D. 14465-68 THE FIGET AGAINST WEEDS. C Campb∈ll Agr Chem 22(9):49-50 Sep 1967 381 AG8 Weed control, Weeds. METHOD OF DESTROYING & WEED. PATENT 3,352,663. US Patent Office Offic Gaz 844(2):617 14 Nov 1967 156.65 OE2 Chemical control (weeds), Furans, Rerbicides, Patents, Weed control. 14467-68 FRCCESS FCB KILLING GROWING PLANTS, PATENT 3.348.939. C W Gier US Patent Office Offic Gaz 843(4):1427 24 Cct 1967 156.85 OF2 Acctylenic carbonates, Chemical control (veeds), Rerbicides, Fatents. 14468-68 DIAIKYL AND DIFHENYL ESTERS OF ARYLOXYACETYL-FHOSPRONIC ACID AS BEREICICES. FATENI 3,382,06D. C W Gier US Patent Office Offic Gaz 850(1):224 07 May 1988 156.65 0P2 Aryloxacetyl-phosphonic acid compounds, Herbicides, Patents. 14469-68 REREICIDAL COMPOSITION AND METROD EMPLOYING SDRSTITUTED RENZIMILAZCLES. FATENT 3,325,271. R Goldsmith E F Crawford US Patent Office Offic Gaz 839(2):675 13 Jnn 1967 156.65 0F2 Eenzimidazcles, Rerbicides, Patents, Sodinm borate, Weed control. 14470-68 MOLES OF ACTICH CE 3-AMINO-1,2,4-TRIAZOLE: CDRRENT STATDS. IN: ISCICIES IN WEEL RESEARCH: EROCEEDINGS OF A SYMPOSIUM, VIENNA, 25-29 CCICEEE 1965 S585.s9. J L Riltco 71-R3 REF INTEENATIONAL ATCHIC ENERGY AGENCY 1966 Amitrcle, Rerbicides, Plant growth inhibitors. Abstract 14471-68 PROCESS OF KILLING WEEDS EMFLOYING ACYLATED DREA DERIVATIVES. FATENT 3,342,586. J Icburcad F Foignant US Patent Office Offic Gaz 842(3):1048 19 Ser 1967 156.65 0P2 Acylated nrea compcunds, Chemical control (weeds), Herbicides, Fatents, Weed control. 14472-68 HEBEICICAL METHODS AND COMPOSITIONS COMPRISING 2-AMINO AND LOWER ALKANCAFICC-5-HALCTHIAZOLES. PATENT 3,374,082. A J Lemin N S Patent Office Offic Gaz 848(3):750 19 Mar 1566 156.65 CF2 Alkancamido-5-balctbiazoles, Amino-5-balotbiazoles, 2-, PAGE 26

Chemical control (weeds), Chloro-2-thiazolyl)propionamide, N-(5-, Herbicides, Eatents. 14473-68 METHCD POR PEEVENIING ELANI GROWTH. PAIENI 3,34D,043. J E Clib US Patent Office Offic Gaz 842(1):268 US Patent Office Offic Gaz 842(1):268 OS Sep 1967 156.65 OF2 Chemical control (weeds), Haloacetamilide, alpha, Herbicides, Patents. 14474-68 PHYTOTOXIC COMPOSITIONS AND METHOD OF USE. PATENI 3,325,270. J F Clin US Patent Office Offic Gaz 839(2):675 13 Jun 1967 156.65 OF2 Raloacetamides, alpba-, Herbicides, Patents, Weed control. 14475-68 A SURVEY OF WEED LEAF STONATA AND IRICHOMES. D J OTRIO A J Renney Can J Plant Sci 48 (2):197-209 REP Mar 1968 450 C16 Mar 1968 450 CT6 Leaves, Spraying, Stomata, Weeds. Abstract: A series of drawings was made depicting the dif-ferent stomatal characteristics and types of trichomes. It was estimated Leaves of nine species had enough pube-sence to influence retention or penetration of strays. 35 species were examined. Implications for herbicidal control discussed. 14477-68 COMPETITION IN EXPERIMENTAL POPULATIONS OF WEEDS WITH EMERASIS ON THE REGULATION OF POPULATION SIZE. I G Palmblad Ecology 49 (1):26-34 REP WINTER 1968 410 EC7 1968 410 EC7 Competition, Plant ecology, Seed germination, Weeds. Abstract: Species were subjected to conditions of intra-specific competition involving variable regimes of: (1)seed sowing density, (2)soil snrface, (3)fertilizer, (4)moistnre, etc. The population of some species may be further regulat-ed by: (1)self-controlled germination, (2)mortality, (3) individual plasticity. 14479-68 METHOD OF CONTROLLING THE GROWTH OF UNDESIRABLE PLANIS. PATENT 3,342,583. E A Regel

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PATENT 3,342,583.
E A Regel
'US Patent Office Offic Gaz 842(3):1047
'9 Sep 1967 156.65 OF2
Chemical control (weeds), Rerbicides, Patents,
Phosphine snlfides.
14480-68
AETROD FOR TRE CONIROL OF WEEDS. PATENT 3,333,944.
A A Levin S R Richter
US Patent Office Offic Gaz 841(1):222
01 Ang 1967 156.65 OF2
Chemical control (weeds), Rerbicides, Patents,
Thiobenzoic acids, Weed control.
14481-68
CHEMICAL WEED CONTROL RANDROOK. SR951.E56.
B F Roche
170 P.
1967
Chemical control (weeds), Bandbooks, Herbicides, Weed control.
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HIBLIOGHAPHY

14462-66 POST-EMENGENCE HEFEICIDAL MIXTURE AND METHOD OF USE. FATENT 3,340,042. H Schwartz J E Skaptason US Patent Offic Gaz 842(1):268 US Set 1967 156.65 0F2 Aromatic hydrocartens, Henzanilide, Chemical control (weeds), Herticides, Crygenated organic solvent, Patents, Synergists. 14483-66 HEHEICITAL FHENYLLBEAS. PATENT 3,326,663. S H Scleway K D Zwablen US Patent Office Offic Gaz 839(3):1092 20 Jun 1967 156.65 CF2 Chemical control (weeds), Herbicides, Patents, Fhenylureas. 14484-68 HEREICICAL MIXTURE AND METHOD. FATENT 3,333,948. I Takematsn # Kadc 1 lakematem n Made US Patent Office Offic Gaz 841(1):223 01 Aug 1967 156.65 012 Chemical centrol (weeds), Cycloherenyl) cycloheranone, 2-(1-, Dichlereprecienanilide, 3,4-, Herbicides, Patents, Festicide mixthres. 14465-68 METHCE OF CONTROLLING UNDESIBABLE PLANT GROWTH. FATENT 5,360,356. J F Vartiak US Patent Office Offic Gaz 845(4):1457 26 Dec 1967 156.65 OF2 Chemical control (weeds), Herbicides, Patents, Polymers, Spraying, weed control. 14466-66 FENZENE HEXACELCHIDE AS A FREEMENGENCE HERFICIDE. FATENI 3,356,486. E L Walworth F L Walkerth US Patent Office Offic Gaz 845(1):248 05 Ecc 1967 156.65 CE2 Renzene herachleride, Benzene herachloride, delta-, Herbicides, Lindare, Fatents, Freemergence, Weed control. 14467-66 METHCE FOR FREVENTING PLANT CHORTH WITH OHGANCTIN HORATES. FATENT 1,361,554. G weissebberger US Patent Office Offic Gaz 846(1):218 02 Jan 1968 156.65 0F2 Chemical control (weeds), Herbicides, Organotin borates, Fatents. 14488-66 HETHCE OF COMEATIING THE GROWTH OF UNDESIBED FLANTS. FATENI 3,374,084. FATENT 1,374,084. J Wijra US Patent Office Offic Gaz 848(3):751 19 Mar 1966 156.65 CF2 Cheaical control (weeds), Herbicides, Hydroxymethyl-2,6-dichlorothichenzamide, N-, Methyl-2,6-dichlorothichenzamide compounds, Patents, Fropoxymethyl-2,6-dicblorothichenzamide, N-n-.

Other Pests

14469-66 GASTHCFCTICIDALLY FEFECTIVE SUBSTITUTED 5-HALC-3-PHENYL--SALICYLIANILIDES. FATENT 3,362,145. J F ChnFF J D Farly US Patent Office Offic Gaz 850(1):240 07 Hay 1966 156.65 0E2 Holluscacides, Fatents, Phenylsalicylanilides, 3-. 14490-68 THE CCMECN SLUG, A FLANT PRCTECTICN FEOHLEM ON HARD SOILS. (SW I Nilescn Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(5-6):67-70 1967 464.9 513V Eield crofe, Flant fest control, Slngs. 14491-68 MYXOMAYOSIS: THE FFEPABATION OF MYXOMA VIRUS POR INCOLATION VIA THE FYE. W R Sobey U Conolly K M Adams Australian J Sci 30(6):233-234 Dec 1967 475 AU72 Inoculum, Myxomatosis, Rabbits, Rodent control.

30 LIVESTOCK PROTECTION

Diseases

14492-68

ANTITEYECTCRIC FACTOF CONTENT OF VARIOUS ROUGHAGES AND COM PECES EASEL CN BEFEFSSICN CE INIUCEU LIVER MALIC ENZYME IN THYFCTCJIC RATS. S Addanki J W Ritts B B Conrad J Nutr 94(2):125-128 REF Feb 1968 389.8 JB2 Animal nutrition, Cattle, Enzymes, Peces, Liver, Halate debydrogenase, Rats, Roughage, Thyroxine. Atstract 14493-68 4493-66 THE ICUINE CONTENT OF PULK EFBU FILK IN SUMMER IN RELATION TO ESTIFATED DIFTARY IOUINE INTAKE OF CONS. G Alderman M & Stranks J Sci Food Agr 18(4):151-153 REE Apr 1967 362 S012 Cattle, Diet, Iodine, Milk. Where bulk milk icdime content is less than 25 micrograms Fer litre, iodine reguirements for dairy herds with average yields are not being met. 14494-68 PARTIAL RESISTANCE OF CALVES TO COOPERIA PUNCTATA POLLOWING SURCUTANEOUS INOCULATION OF ROMOLOGOUS INFECTIVE LAEVAE. J E Alicata J Farasitol 54(2):350 Apr 1966 448.6 JB24 Cattle, Cooperia gunctata, Immunity, Immunization, Larvae. 14495-68 ABSCEFTICN, UISTRIEUTION AND EXCRETION OF SULFONAMIUES IN RUBINANTS. P B Austin Fed Amer Scc Exp Eicl Fed Proc 26 (4):1001-1005 FEF Jul 1967 442.5 F31F Excreta, Fusinants, Sulfonamides. 14496-68 VIRUSES CONTRIBUTING TO THE CYTCPATHIC EFFECT OF BOG CROLERA STEALN FAV-1. F A Fachwann E F Sheffy G Siegl Arch Gesarte Virusforsch 22 (3-4):467-471 REP 1967 448.5 AE23 Cytopathology, Bog cholera virus, Physiology, Tissue culture, Viruses. Abstract: Frimary SFE pig kidney cultured hog cholera virus strain FAV-1 at passages 2B,135 and205 was studied for cytcpathogenicity in FK cell cultures. No adenovirus, BVU virus cr mycoplasma were demonstrated in these cultures although typical cytopathic changes developed. Cytopathic changes recorded were dne tc hog cholera virus infections. 14497-68 EFFECT CE FERTILIZATION ON CREMICAL COMPOSITION, NUTRITIVE VALUE, AND SILICA CONTENT OF ROUGH FESCUE, FESTUCA VALUE, AND SCAFFELIA. L M Bezeau L E Lutwick A U Smith A Johnston Can J Plant Sci 47(3):269-272 RFP May 1567 450 C16 Cattle, Fertilizers, Pestuca, Pestuca scabrella, Nitrogen, Phosphorus, Proteins, Silica, Urolithiasis. 1449B-68 INFLUENCE OF ISCSECEA INFECTIONS ON PATENCY OF AVIAN LANKESTEBELLA (ATCXCFLASMA, GARBRAM, 1950). E U Eox J Farasitol 53(6):1140-1147 REP Dec 1967 448.8 JB24 Dec 1967 446.0 3824 Animal diseases, Firds, Coccidiosis, Lankesterella. Abstract: Farasitemia and death from Lankesterella in-creased when sparrows were caged together with access to fecal contamination. Administration of Isospora occysts to adult and mestling sparrows and cauaries also increased parasitemia and death from Lankesterella.

14499-6B SFIROCERCOSIS IN UGANDA AND ITS ASSOCIATION WITH FIBROSABCOMA IN A DOG. J Small Anim Pract B(7):395-39B REF Jul 1967 41.B JB292 Dogs, Pibrosarcema, Spirocerca lnpi. English, French, and German abstracts Abstract 14500-6B POUB CASES OF CANINE INTESTINAL CABCINOMA. H T Case L C Belper C D Knecht F Small Vet Med/Small Amim Clin 63(1):40-47 Jan 1968 41.6 H65 Carcinoma, Dogs, Intestines. 14501-6B RABIES IN NEW MEXICO CAVEEN BATS. O G Constantine E S Tierkel M O Kleckner O M Rawkins Fublic Bealth Rep B3(4):303-316 REP Apr 1968 151.65 P96 Bats, Cave fauna, Rabies. Alstract 14502-6B AN ANALYSIS OF CURRENT INSPECTION PROCEDURES FOR DETECTING AN AMALISIS OF COMPENT INSPECTION PAC BOWINE CUSTICERCOSIS. L W Dewhirst J O Cramer J J Sheldon Amer Vet Hed Ass J 150(4):412-417 BEP 15 Peb 1967 41.8 AH3 15 Feb 1967 41.B AH3 Agglutination test, Carcasses, Cattle, Echinococcosis, Meat inspection, Taenia saginata. Abstract: Comparisons of prescribed United States inspec-tion procedures for bovine cysticercosis with more extensive examinations of the predilection sites showed that the prescribed procedures did not detect infection in at least 26 percent of the carcasses. Antemottem test utilizing intradermal and hemagglatiantion tests were more accurate in detection information tests were more accurate in detecting infected animals than the currently prescribed inspection procedures for carcasses. 14503-6B PLANT POISONING INVOLVING MALE FERN. J I Edgar I M Thin Vet Rec B2(1):33-34 O6 Jan 196B 41.B V641 Cattle, Poisoning, Poisonous plants, Pteridophyta. 14504-6B AN ATTEMPT TO PROUUCE SWAYRACK IN LAMBS BORN TO EWES UOSED WITH RIGH LEVELS OF MOLYNDENUM, INORGANIC SULPHATE AND MANGANESE UUBING PREGNANCY. U A Egan T O:Cuill Irish Vet J (N.S.)22(2):2B-32 REF Feb 196B 41.B IR4 Manganese, Molybdennm, Sheep, Sulfates, Swayback. 14505-6B HYPOCALCAEMIA AND BYPEBMAGNESRAEMIA IN LACTATING AWASSI EWES. M Egyed A De Lange Refuah Vet 24(1):36-34.REF Mar 1967 41.8 R25 Calcium phosphates, Bypermagnesemia, Hypocalcemia, Lactation, Sheep. 14506-6B OCCURRENCE OF TRYPANOSCHA THEILER: IN BOVINE PERIPRERAL BLOOD. S A Ewing U L Carnaban Amer Vet Med Ass J 150(10):1131-1132 REF 15 May 1967 41.8 AMB Blood, Cattle, Trypanosoma theileri. 14507-6B RUMINAL LESIONS IN CATTLE FEU ON BARLEY. Vet Bec B1(27):715-716 30 Dec 1967 41.B V641 Barley, Cattle, Rnmen. Apparently due to the sharp, hollow hairs on barley. 1450B-68 BBUCELLOSIS REACTORS ABONG VACCINATEU CATTLE. P 0 Fichandler Amer Vet Med Ass J 150(6):624-626 REP ANDER YEL HEU ASS 5 150007.024-020 HEF 15 Mar 1967,41.8 AM3 Rrucellosis, Cattle, Immunization. Abstract: Of 35 Connecticut cattle classified as brucello-

sis reactions during a 2-year period, 76 percent were either proved or suspected of being vaccinated with strain either preven or suspected of feing vacchated with strain 19 waccine when were than 8 months old and some when as much as 16 months old. Fersistent bigh titers in these over-age vaccinated cattle, which resulted in their being classified as reactors at adultbood, delayed the certification of Connecticut as a brucellosis-free state for over a year. 14509-68 ENCEPEAICEYCCARDITIS VIEUS INFECTIONS IN EIORIDA. 14517-68 1960-1966. J H Gainer Amer Vet Med Ass J 151(4):421-425 REP 15 Aug 1967 41-8 AM3 15 Aug 1567 41.8 AB3 Animals, Calves, Encephalomyccarditis virnses, Monkeys, Pesticides, Ecisoring, Bats, Swine. Abstract: Twenty-four isolations were made from 18 animals representing & species, eleven from swine, 114 of which died. In several swine and 1 calf, chemical analysis of tissues intimated complicating chemical poisoning, particu-larly by pesticides. These isolations suggested a bigh prevalence of the virus widely distributed in Plorida, and that swine and subhaman primates are particularly suscepti-ble. The importance of infection in herbivorous animals and the possible significance of related chemical poisonings to the virus infections are not now known. 14510-68 IISTEBIC MYELITIS IN SHEEP. G & Gates E C Plenden I D Kintner Amer Vet Hed Ass J 150(2):200-204 REP 15 Jan 1967 41.8 AM3 Lambs, Iisteria mcnccytogenes, Iistericsis, Mortality, Sbeep. Lamps, lifeteria menceytogenes, listericsis, nortality, sheep. Abstract: Four lambs with listeric myelitis characterized by paralysis of one or more limbs had no significant lesions in their brain stems nor any clinical signs related to dys-function of the brain or cranial nerves. Listeria monocyto-genes was isolated from the spinal cords of 2 of the lambs but not from the brains. The flock of which these lambs were a part bad a 34 percent (49 of 145 sbeep) mortality due to encephalitic listeriosis. 14511-68 AVAILABILITY AND UTILIZATION OF MAGNESIUM FRCM DOLOMITIC IHESTONE AND MAGNESIUM OXIDE IN STEERS. H J Gerken J F Ecntemot J Anim Sci 26(6):1404-1408 EFE Nov 1967 49 J82 Cattle, Diet, Bypcmagnesemia, Iimestcne, Magnesium oxide. Abstract 14512-68 ISOLATICN OF SALMONEIIA TYPHIMUEIUM EROM CARRIER PIGS. B Gitter A E E Ridd Vet Bec 81(14):35E-359 30 Sep 1967 41.8 V641 livestock diseases, Salmonella typhimpring, Swine. 14513-68 THE DETECTION OF ENZOOTIC PREUMONIA IN PIG RERDS. I. EIGHT YEARS GENERAL EXPERIENCE WITE A FIICT CONTROL SCHEME. E E W GCOdwid E Whittlestone Vet Bec 81(25):643-647 16 Dec 1967 41.8 V641 Animal diseases, Germ-free life, Pneumonia, Swine. 14514-68 PRELIBINARY EXFERIMENTS WITH ANTIGENS OF THEILERIA PARVA (TBELLETABLE APPRILENTS WI (TBELLES, 1904). B N Gontlay E W Erocklesby Erit Vet J 123(12):533-540 Dec 1967 41.6 V643 Abtigens, Cattle, Insect vectors, Precipitin test, Bbigicephalps appendiculatos, Theileria parva. 14515-68 PREIIMINARY EVALUATION OF A TRIVALENT BOVINE VACCINE. PRELIDEMANT EVALUATION OF A INTERFER DOTING TRECEDUC A E GRADSTOR C J Selter Vet Bedysmall Anim Clin 63(1):58-63 BEP Jan 1966 41.6 M69 Bovine rhinctracheitis vaccines, Bovine virus diarrbea vaccines, Calves, Parainfluenza-3 virus, Vaccines. 14516-68 A CONTAGICUS FOX DISPASE IN MONKEYS. A S Ball W F MCNDLty Amer Vet Med Ass J 151(7):833-838 BPP 01 Oct 1967 41.8 AM3 Efidemiclegy, Bumans, Monkeys, Forvirnses, Skin diseases.

Abstract: A spontaneonsly occurring, contagions, epidermal disease in macagues was transmitted to animal bandlers. The clinical course and morbid anatomy was characteristic of a pox infection; however, the isolated agent, while morphologically a pox virns, was not a type that is presently known to infect monkeys or man. Although the method of transmission from monkey to monkey is unknown, handlers usually contracted the disease throngh small scratch wounds on the arms. The disease has a benign and relatively short course.

INFIGENCE OF A PENICIILIN-STREPTOMYCIN PRFPARATION ON LAMB MORTALITY. A H Handy D E Redman C S Bell C P Parker Amer Vet Med Ass J 150(2):196-199 BEP 15 Jan 1967 41.B AM3 Antibiotics, Lambs, Mastitis, Mortality, Penicillin, Pneumonia, Sheep, Streptcmycin. Abstract: Pregnant ewes were treated intramnschlarly with penicillin-streptomycin botb prior to and after lambing. The same preparation was given to their lambs intramuscularly at birth and twice weekly until they were 30 days old. Mastitis and pnenmonia resulting in death occurred in nntreated control ewes. Mortality was halved in treated over nntreated lambs. Average weight gain was slightly higher in the treated than in the untreated lambs.

14518-68 MYCOTIC DERMATITIS IN SREEP. I. CLINICAL OBSERVATIONS IN GREAT BRITAIN. C B Bart Vet Bec 81(2):36-47 REP 08 Jpl 1967 41.8 V641 Dermatophilus congolensis, Hycotic dermatitis, Sheep. Abstract: Disease more severe on back tban flanks. Disease activity high dnring wet season and low dnring dry season. Distribution of lesions snggests that treatment on back only would be sufficient. 14519-68 EVALUATION OF A RAPIC WHOLE BLOOD TEST FOR BRUCELLOSIS. E C Hatfield Amer Vet Med Ass J 150(3):307-310 BEF 01 Feb 1967 41.8 AB3 Agglntination test, Blood, Brncella abortus antigens, Brncellosis, Cattle. Brncellosis, Cattle. Abstract: Several antigens were tested on the whole blood of almost 1,000 cattle from 8 ranches, and over 7,500 agglu-tination tests were examined. Tests were done at the site and time of collection of fresb blood, and on citrated blood the following day in the laboratory. Results of whole blood agglntination tests were generally similar to those obtained with standard plate seroagglutination technique. A distinct advantage of this rapid whole blood agglntina-tion technique is a saving in time and labor in screening out reactors and suspects in a brncellosis eradication pro-oram. gras. 14520-68 THE CONTROL AND ERACICATION OF SALMONELLOSIS IN A CLOSED FIG HERD. T W Heard N E Jennett A R Linton Vet Bec 82(4):92-99 BEP 27 Jan 1968 41.8 V641 Peces, Infections diseases, Livestock diseases, Nitrofurans, Salmonellosis, Swine. 14521-68 CORYNEBACIERIUM ULCERANS INFECTIONS IN & DAIRY HERD. T B Biggs A Smith L M Cleverly P K Neave Vet Bec 81(2):34-35 08 Jul 1967 41.8 V641 Cattle, Corynebacterium diphtheriae, Livestock diseases, Mastitis. Abstract: Odder infection by this bactering is infrequent. A bigh proportion of cows, however, may become infected. Cell connts and Whiteside resnlts indicate that infections may be as severe as those of stapbylococci and streptococci. 14522-68 DETECTION OF CLOSTRILIUM BOTULINUM TYPE C CEILS AND TOXIN BY THE PLUORESCENT ANTIBODY TECHNIQUE. B F Bonter M N Rosen Avian Dis 11(3):345-353 REP Ang 1967 41.8 AV5

CeÎls, Clostridinm botnlinnm, Pluorescent antibody technic, Ponltry, Toxins. Abstract 30 14523-68 14523-68 cent of the calves in herd A developed a sensitivity to VIRDS ISOLATICN AUS DEN CAECALEN TONSILLEN DES HUHNES (VIROS ISCLATICN FROM THE CECAL TONSILS OF HEN). johniu compared with 6.2 per cent of calves in herd B. The annual incidence of clinical Johne's disease was 4.2 per A S & A Ismail Hancver Ticrarztl Bochsch Inaug Diss 19,92P. Poultry, Tousils, Virus diseases (auimals). RESEARCE CA THE FEOFEBTIES OF THE PATHOGENIC ASFERGILLUS; THE MAJCE SFECIES ASFERGILLES FUMICATUS A. CLAVATDS, A. FIAVDS. (EF.) J Jacquet F Ecutifcones J Jacquet F Ecutircones Acad Vet Erauce Eull 40(4), 169-180. REF. Apr 1967 41.9 F24 Aspergillosis, Aspergillus, Aspergillus clavatus, Aspergillus flavus, Aspergillus fumigatus, Livestock, Morphelow Morphelegy. 14525-68 SFORALIC ECVINE ENCEPHALOMYELIVIS ISOLATION AND VENERGEV (ELV) AGENT. Kalmer T Kohel F Neuman U Klopfer Befuad Vet 24(1):51-43 BEP Mar 1967 41.6 B25 Auimal bistology, Brain diseases, Cattle, Livestock diseases, Biyagawauella group viruses, Sporadic bovine encephalomyelitis. 14526-68 THE VAGINAL MUCUS AGGLUTINATION TEST FOR BOVINE VIBRIOSIS. J & Reudrick Amer Vet Med Ass J 15D(5):495-498 REP O1 Mar 1967 41-8 AM3 Agglutinaticu test, Cattle, Liagnosis, Vibrio fetus, Vitricsis. Abstract: The vaginal mucus applutination test was found to be a convenient, accurate method for diagnosing bovine vi-briosis, based on both experimental and field observations. Adaption of a human vaginal tampon decreased the cost and increased the convenience of the test. Testing in Califor-uia indicated that vibric_.s is an important cause of bo-vine infertility. 14527-68 STUDIES ON THE DIFFEBENTIATION OF MYNOVIEDS INDDCED INTERFECE AND ENDCGENCOS FIROGEN PROM RABEITS. H Kohlbage & Follmand R Siegert Lif. Sci 7 (1):c27-633 BEF 01 Jun 1968 442.8 L62 01 Jun 1968 442.8 L62 Bicchemistry, Pever, Interferon, Myxoviruses, Babbits. Abstract: The fever curve and interferon titer seen after inoculation of rabbits with myxovirus show striking similarities. The two substances are however not identical. They can be separated partially by gel filtration and totally by fracticnated ethanol precipitation. Dialysis against BCI-RCI buffer pH 2.0 and against urea or 2-mercaptoethancl shows that the endogenous pyrogen is con-siderably more labile than interferon. 14528-68 1528-66 DISTRIBUTION OF VIBUS NEUTRALIZING ANTIBODIES TO DIFFERENT STEATAS OF FOLDS SAECCHA VIEUS AMONG (NORMAL) CHICRS. A T Kravcheuko A L Altsteiu E S Voronin Arch Gesamte Virusforsch 22(3-4):356-363 REF 1967 444.3 AE23 Auffördige Chicks Rous sarcoma virus Serodiagnosis. Autilcdies, Chicks, Bous sarcoma virus, Serodiagnosis. Auticdies, Chicks, Bous sarcoma virus, Serodiagnosis. Abstract: Anticdies of different strains of Bous sarcoma virus were found in the sera of about 50 percent of chicks. Porty percent of chicken sera investigated contained anti-hodies to the Eryan strain. Autihodies to other strains of Bous sarcoma virus were focud in a significantly lower properties (3-15 percent). Study of the sera of horses im-munized with allauteic cultures of influenza viruses reveal-ed antihodies of the Fryan strain hut not to the other ed antitodies of the Eryau straiu but uot to the other strains of Bors sarcoma virus. 14520-68 THE EFFECT OF MANAGEMENT ON THE INCIDENCE OF CLINICAL JCBNE'S DISEASE. A E Larseu E S Merkal Amer Wet Hed Ass J 152(12): 1771-1773 BEF 41.8 AM3 Animal hushaudry, Calves, Cattle, Johne's disease, Bycchacterium paratuberculosis. Abstract: The incidence of Johne's disease and the ages at which clinical sigus were observed was compared in 2 herds, cne keft under pccr sauitary conditions (herd A) and other nnder gcod sanitary conditicus (herd B). Sixty-twc per

autour incidence of finite bonk solve as the as the set as the set of the set incidence of clinical disease was observed in 6- and 7-year-old cattle in herd A and in 6-, 8-, and 9-year-old cattle in herd B. These figures were statistically significant, and cattle in both herds were clder when clinical signs of disease was first observed than previous studies had reported. 14530-68 DDRATION OF ACQUIEED IMMONITY OF THE CHICKEN TO EIMERIA TENELLA INFECTION. TENELLA INFECTION. W D Leathem W C Eurns J Parasitol 54(2):227-232 BEP Apr 1968 448.8 J824 Chickeus, Coccidiosis, Eimeria tenella, Immunity. Abstract: The study suggests that chickeus, immunized by multipe dose of E. tenella, develor only a condition of "relative immunity." Immunity, whereby the host is protect-ed against fatal E. tenella infection, was found to be effective for at least 105 days. Complete immunity was not found in this study. 14531-68 SINDITANEODS VACCINATION OF CATTLE WITE CONTAGIODS BOVINE PLEDROPNEDMONIA AND GOAT-ADAPTED BINDERPEST VACCINE. E P Lindley Hull Epizoot Dis Afr 15(3):221-226 Cattle, Immunization, Fleuropueumonia, Rinderpest virus, Viral vaccines. 14532-68 SCRAPIE IN A DORSET HORN EWE. A I Littlejohu S Terlecki Vet Rec 81(14):355-357 BEP 30 Sep 1967 41.8 V641 Dorset Boru sheep, Livestock diseases, Scrapie. EPIZOOTIOLOGY OP HEDCELLOSIS IN A PLOCK OP SHEEP. D W Luchsinger R K Auderson Amer Vet Hed Ass J 15D(9):1D17-1021 BEP 01 May 1967 41.8 AB3 Abortiou, Agglutination test, Brucella abortus, Hrncellosis, Cattle, Sheep. 14533 - 68Cattle, Sneep. Abstract: Brucella abortus type infection was confirmed in sheep by seroagglutimation titers. Ewes aborted or gave birth to weak lambs. B. abortus type I was isolated from cattle maintained with the sheep. The extensive spread of infection within this flock of sheep was attributed to animal husbaudry practices and ecologic conditions. 14534-68 IODINE UPTAKE BY OVA OF HENS GIVEN EXCESS IODINE AND EFFECT DPON OVA DEVELOPMENT. N A Marcilese B B Rarms R M Valsecchi L B Arrington J Nutr 94 (2):117-120 Peb 1968 389.8 J82 Chickeus, Iodine isotopes, Ova. 14535-68 A CLINICAL AND PATHOLOGIC STDDY OF THE MASTITIS-MERITIS A GALACTLA SYNDRCHE OF SORS. C E Martiu B E Booper C B Armstroug H E Amstutz Amer Vet Hed Ass J 151(12):1629-1634 REP 15 Dec 1967 41.8 AM3 Agalactia, Mastitis, Meritis, Swine. Abstract 14536-68 SALMON POISONING DISEASE, IV. TRANSMISSION OF THE DISEASE TO DOGS BY NAWOPHYETDS SALMINCOLA EGGS. P A Nyberg S E Knapp B E Hillemann J Parasitol 53(4):594-699 Aug 1967 448.8 J824 Dogs, Nauophyetus salmincola, Neorickettsia helmiuthoeca, Trematoda. Intraperitoneal injection Abstract 14537-68 COMPARISON OF RDMEN MICROHIAL INBIBITION RESULTING FROM VARIODS ESSENTIAL CILS ISOLATED PROM RESULT DNPALATARLE PLANT SPECIES. E K Oh M B Jones W H Longhbrst Appl Microbiol 16(1):39-44 Jau 1968 448.3 AP5

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months

Cattle, Deer, Essential oils, Microorganisms, Bumen, Weeds. households in a rural county in northwestern Ohio revealed that only 22.5 percent of the dogs had here vaccinated against distemper and 8.6 percent against rahies. Vaccina-tion rates were higher among females, purebreds, and dogs over 1 year of age. Geographic location, license status, number of dogs owned, and household size seemed unrelated to vaccination status. Alstract 14538-68 14546-68 Anisal nutrition, Fiuret, Cartamide phosphoric acid, Cattle, THE BECOVERY OF HOG CHOLERA VIRUS FROM SWINE WITH AN IN UTERO INFECTION. Urea, Uric acid. Nonprotein nitrogen W L Schwartz R F Solcrzano E B Hamilton J E Thigpen Amer Vet Med Ass J 150(2):192-195 REF 15 Jan 1967 41.8 AB3 Abstract Baby pigs, Hog cholera virns, Serum neutralization test, 14539-86 Swine, Uterus. Ahstract: Bog cholera virus was detected in swine 5 DIBCFILARIA TENUIS CONTAINING MICROFILARIAE IN MAN. G Facheco E L Schofield Amer J Trop Med Eyg 17(2):1E0-182 Mar 1968 448.8 AM326 after classical signs and lesions had ceased. The virns was propagated in pregnant sows given anti-hcg cholera serum. Propagated in pregnant sows given anti-hcg cholefa serum. The occurrence of stillbirth, deformities, and central nervons system disturbances in new horn pigs was indicative of an in-utero hog chclera virus infection. Serum-neutrali-izing hog chclera antibodies were demonstrated in 2 pigs that were enthanatized at 3 months of age. There were no apparent signs of illness in these pigs. BiethylcarLamazine, Dirofilaria, Human diseases, Leukocytosis. D. tenuis adult female and protable microfilaria found in wan. The natural host is raccoon. 14540-68 THE BELATICNSEIF CF EXPOSURE FATE AND EXFOSURE TIME TO RADIATICN INJUEY IN SEEFP. N F Fage F J Ainsworth G F Lecng Badiat Fee 33(1):54-106 REF Jan 156F 334.£ B11 14547-68 FILABIASIS OF ELEPHANTS IN CEYLON. P Seneviratna J E Jayasinghe B R Jainndeen Vet Rec 81(27):716-717 REP Cobalt isotopes, Camma rays, Injuries, Badiation, Sheep. 30 Dec 1967 41.8 V641 Abstract Elephants, Filariasis. 22 Domestic elephants infected with what is prohably a new 14541-68 HERE THE CE CATTLE TO BEDOCELLA AECETOS ECLLOWING VACCINATION AT TWO AND THEEF CONTES OF AGE. D R Fedran E I Deyce N B King Amer Vet Hed Ass J 150(4):403-407 BEE 15 Feb 1567 41.6 ABS species. 14548-68 A COCCIDIA-LIKE ORGANISM ASSOCIATED WITH SUBCUTANEOUS A COCCIDIA-LIKE ORGANISM ASSOCIATED WITH SUBCUT GRANULCATA IN A DOG. G C Shelton L D Kintner D O MacKintosh Amer Vet Med Ass J 152(3):263-267 REP 01 Feh 1968 41.8 AM3 Animal histology, Coccidiosis, Dogs, Granuloma. Abortion, AggIntination test, Brucella abortns, Cattle, Immunization. Abstract: Cf heifers vaccinated at 2 months, 3 hecame infected and 2 aborted. Three heifers vaccinated at 3 worths became infected, 2 of which aborted. Of the pregnant nonvaccinated controls, 4 became infected and aborted. Postvaccinal agglntinin titers were lower and receded to a Abstract: A disease characterized by proliferating sub-Abstract: A disease characterized by proliferating sub-cutaneous nodules and a nonfebrile wasting illness was ob-served in a 6-month-old Collie. Histopathologic studies revealed parasitic organisms which morphologically and hiologically resembled a subcutaneous form of coccidiosis. The dog apparently recovered; died 2 months later of canine distemper. Organisms resembling coccidia remained in subcutaneous tissues at the time of death. negative status sconer in cattle vaccinated when 2 and 3 months cld. Besistance to infection of 2- and 3-month-old vaccinated cattle compared favorably with resistance previously found in cattle vaccinated when 4 to 8 months cld. 14542-68 14549-68 1545-58 DEVELOPMENT OF A CFLL CULTUBE SYSTEM SUSCEPTIBLE TO BEASLES, CANINE DISTEMPEB, AND BINDERPEST VIRUSES. A Shishido K Yawanouchi B Hikita I Sato A Fukuda P Kohune Arch Gesamte Virusforsch 22 (3-4):364-3BO REP 1967 440.3 AB23 FTICLCGY AND CISSFEINATION OF THE BLACKHEAD DISEASE SYNDBOME IN TUFKEYS AND CHICKENS. . E Б∈id Exp Farasitol 21(2):245-275 BEP Cct 1967 436.8 EX7 Arthropoda, Blackhead, Chickens, Earthworms, Reterakis gallinarum, Bistomonas meleagridis, Turkeys. Canine distemper virns, Chick embryos, Cnltnre media, Canine distemper virns, Chick embryos, Culture media, Measles virus, Rinderpest virus, Tissme culture. Abstract: By nsing Vero cell adapted strains of canine distemper and rinderpest viruses, techniques of infectivity titration and virus nentralization in Vero cells were es-tablished. Comparative studies of cytopathology and growth characteristics of canine distemper, rinderpest, and measles viruses indicated that the behavior of the three viruses in Vero cells is almost the same. The Vero cell system was suggested as a snithle host for the comparative study of the serologic relationships among 14543-68 STUDIES ON THE MCDE OF ACTION OF QUINOLONE AND PYBIDONE CCCCICICSIAIS. J F Fyl∈y J Farasitol 53(8):1151-1160 BFF Dec 1567 448.6 J824 Benzylczy-6-n-butyI-3-methoxycarhonyl gninol-4-one, =7-, Biochemistry, Buguinolate, Chicks, Coccidiosis, Coccidiostats, Eimeria trunetti, Fimeria tenella, Beticlorpindol, Pyridone, study of the serologic and hiologic relationships among measles, canine distemper, and rinderpest virnses. Quinclore. 14550-68 IMUDICGENIC FROPERTIES OF BABESIAL SEBUM ANTIGENS. K B Sibinovic S Sibinovic M Ristic B W Cox J Parasitol 53(6):1121-1129 BEE 14544-68 REACTIONS ECLIOWING INTRAMAMMANY INFUSION OF E. COLI ENDCICXIN. J Parasitol 53(6):1121-1129 BEF Dec 1967 448.8 3824 Antihodies, Antigens, Immunization, Piroplasmosis, Serum. Abstract: The presence of antigens found in the sera of horses, dogs, and rats with acnte habesiosis was correlated with the appearance and persistence of parasitemia. The data indicate that these serum antigens are probably the significant immunizing substances associated with acnte habesiosis. They show a remarkable lack of parasite species specificity in both serologic and immunogenic properties. C W Schalm G 7iv-Silberman Vet Bec B2(4):100-103 27 Jan 1966 41.6 V641 Cattle, Escherichia coli, Lipopolysaccharides, Livestock diseases, Mastitis. Description of clinical characteristics of sterile endotoxin mastitis claserved in nine cows following intermanmary infnsions of endotoxin. 14545-68 1545-66 CANINE VACCINATION IN A BURAI OFIO CCUNTY. F R Schnurrenterger J B Russell Amer Vet Med Ass J 150(6):621-623 REF 15 Mar 1567 41.6 AM3 Canine distemfer, Dogs, Immunization, Rabies, Surveys-Abstract: A dcor-tc-door census of 33 percent of the 14551-68 BELATIONSHIP BETWEEN CALCIUM AND MAGNESIUM BINDING TO FRACTION I CHLOROPLAST PROTEIN AND BLOAT. F R Stifel B L Vetter R S Allen J Agr Food Chem 16 (3):500-504 May 1968 381 J8223

Alfalfa, Elcat, Calcium, Cattle, Magnesium, Plant proteins, Sheep. 14552-66 PUBLIFICATION OF AMEROTERIC AND PASIC ANTIBIOTICS. PATENT 3,376,339 G Swanhclm Us Fatent (ffice (ffic Gaz 849(1):205 02 Apr 1966 156.65 (F2 Antibiotics, Fatents, Polysysin E, Streptomycin, Tetracycline. 14553-68 ERUCFILCSIS. INTERSTATE MOVEMENT. Fed Eegist 33(72):5678 12 Apr 1966 I1.451 Brucellosis, Cattle, Interstate conmerce. 14554-68 ERUCFILCSIS. DESIGNATION OF MODIFIED CERTIFIED ERUCELLOSIS AFFAS, FUBILC SICCKYABDS, SPECIFICALLY APPROVED SIOCKYABDS, AND SLAUGFIERING FSIAFILSHMEBIS. MODIFIED CFETIFIED FRUCEILCSIS AFEAS. Fed Regist 32(191):13757 03 Cct 1967 L1.451 Brucellcsis, Cattle, Interstate commerce. 14555-68 FRUCHILCSIS. FUELIC STOCKYARDS. Fed Regist 32 (244) : 18086-18087 19 Dec 1967 L1.451 19 Dec 1967 L1.451 Brucellosis, Infections diseases, Livestock, Stockyards. 14556-66 EBOCFILCSIS IN CATTLE. NOTICE OF ERCEOSED BOLE MAKING. Fed Fegist 33(12):633-634 18 Jan 1968 L1.451 Brncellcsis, Cattle, Interstate commerce. CISTICERCCSIS. RESIBICTIONS CN INTERSTATE HOVEMENT OF CATTIE; COAFABTINE. Fed Regist 33(71):5613 11 Apr 1966 L1.451 Cattle, Echinococcosis, Interstate commerce. 14558-66 CYSTICEECOSIS. RESIDICTIONS ON INTERSTATE MOVEMENT OF CATTIF: CUARABITNF: Fed Regist 33(76):5943 18 Apr 1968 L1.451 Cattle, Fcbincocccsis, Interstate commerce. 14559-68 SCAEIES IN CATTLE. ABFAS QUABANTINFD RECAUSE OF SCARLES. Ped Regist 33(19):1069 27 Jan 1968 L1.451 Cattle, Interstate ccmmerce, Quarantine, Scabies. 14560-68 EBUCFLICSIS. DESIGNATION OF MODIFIED CERTIFIED EBUCELLOSIS ABFAS, FUEIIC STCCRYARDS, SPECIFICALLY APEROVED STOCKYARDS, AND SIAUGFIEBING FSTARLISEMENTS. MODIFIED EBUCELLOSIS ABEAS. Fed Begist 32(218):15577-15578 OS Nov 1967 L1.451 Procellesis Cattle Brncellcsis, Cattle. 14561-68 ABTIBIOIICS USED IN FCCD-PRCDUCING ANIMALS. Fed Regist 33(71):5616 11 Apr 1968 L1.451 Anithiotics, Eggs, Livestock, Hetabolites, Hilk, Fublic health, Besidnes, Tissnes. 14562-68 NCIICE CF EILING CF FETITION FCE EOOD ADDITIVES. Fed Regist 33(75):5896 17 Apr 1968 L1.451 Arsanilic acid, Engninolate, Chickens, Chlortetracycline, Coccidicsis, Enteritis, Feed, Nitro-4-hydroxyphenylarsonic acid, 3-, Respiratory diseases, Synovitis. 14563-66 BCTICF CP EILING CP FFIITION FOE FOOD ADDITIVES EEVTEROMICIE THICCTANAAT AND DIBETEIDAZCLF. Fed Regist 33(55):4751 20 Mar 1966 L1.451 Dischard Dimetridazole, Erythromycin thiocyanate, Blackhead, Eimetridazole, Erythromycin thiocyanate, Peed additives, Tclerances, Inrkeys.

14564-68 NOTICE OF FILING OF PETITION FON FOOD ADDITIVES ENTEROMYCIN AND DIFINYLSTILEFSTECL. Fed Negist 32(159):11896 17 Ang 1967 L1.451 Cattle, Diethylstilbestrol, Erythromycin, Fattening, Peed additives, Liver diseases. 14565-68 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE EUQUINOLATE. Fed Regist 33(55):4751 20 Mar 1968 L1.451 Enguinolate, Chickens, Coccidiostats, Feed additives. 14566-68 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVE TYLOSIN. Fed Negist 33(55):4751 20 Mar 1968 L1.451 Chickens, Feed additives, Bespiratory diseases, Tylosin. 14567-68 NOTICE OF FILING OF PFTITION FOE FOOD ADDITIVE SODIOM AFSANILATE. Fed Regist 246(32):20669 21 Dec 1967 11.451 Blackhead, Feed additives, Soding arsanilate, Inrkeys. 14568-68 NITRODAN; PROPOSED REVOCATION. Ped Regist 32(206):14697 24 Oct 1967 L1.451 Anthelmintics, Dogs, Drngs, Nitrodan, Regulations. 14569-68 NOTICE OF FILING OF PETITIONS FOB FOOD ADDITIVES CABBARSONE (NOT U.S.P.), ZINC BACITBACIN, ZOALENE. Fed Regist 33(86):6753 02 May 1968 L1.451 Blackhead, Carbarsone, Coccidiosis, Feed additives, Sinnsitis, Inrkeys, Zoalene. 14570-68 NITRODAN; NOTICE OF WITEDRAWAL OF APPROVAL OF NEW-DEUG APPLICATION. Ped Regist 32 (206):14698 24 Oct 1967 L1.451 Ancylostomatidae, Anthelmintics, Dogs, Drngs, Nitrodan, Regulations, Toxocara, Uncinceria. 14571-68 NOTICE OF FILING OF PETITION FOR FOOD ADDITIVES DIMETRIDAZOLE, RESERPINE. Ped Regist 33(11):599 17 Jan 1968 L1.451 Blackhead, Dimetridazole, Feed additives, Reserpine, Turkeys. 14572-68 ON THE LONGEVITY OF CYSTICERCUS HOVIS IN VARIOUS OBGANS IN A BOVIRE. L W Van Den Reever J Parasitol 53(6):1168 Dec 1967 448.8 J824 Cattle, Cysticercus, Echinococcosis, Longevity, Viscera. 14573-68 RISK OF RESISTANCE TO CRIORAMPRENICOL. D A Walker A B Taylor B Bichardson Vet Bec 82 (12):361 23 Mar 1968 41.8 V641 Antibiotics, Chickens, Chloramphemicol, Erythromycin, Escherichia coli, Mycoplasmosis, Preventive medicine. 14574-68 TRE TRANSMISSION OF A SPECIFIC ENCEPRALOPATRY OF MINK TO THE GOAT. I Zlotnik B M Earlow Vet Bec 81(2):55-57 08 Jnl 1967 41.8 V641 Compared with scrapie and wink encephalopathy.

30 14557-68

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30 14591-68
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10583-68
                                      Arthropods
                                                                                                                        THE FACE FLY, MUSCA AUTUMNALSS (DER GEER), IN MANITOFA.
                                                                                                                        D L Smith
                                                                                                                        Entomol Soc Manitoba Proc 22:30-32,MAP
1966 420 EN88
                                                                                                                        Cattle, Musca automnalis, Surveys, Zoogeography.
                                                                                                                        Abstract
                                                                                                                     14580-68
                                                                                                                        ECTOPARASITES OF CANADIAN BIRDS AND MAMMALS.
                                                                                                                        Enton 1967 ALS INC. Second and ALS AND ANNULS.
Entonol Soc Wash Proc 69(4):349-353 REF
Dec 1967 420 W27
Firds, Ixodides, Mammals, Mites, Farasitic insects,
14575-68
   EICLOGICAL NOIES ON EYE-FREQUENTING MOTHS FROM N. TRAILAND.
   # Euttiker
   Schweiz Enterol Ges Mitt 39(3/4):151-179 BEP
15 Apr 1967 420 Ste
                                                                                                                        Parasitism.
   Eyes, Geometridae, Insect behavior, Insect hiology, Livestock,
   Lycaenidae, Manuals, Mernis, Noctuidae, Pyralidae.
14578-68
  1576-66
FOROCEPEAICSIS CAUSED EY ABEILLIPER (NETTCEHYNCHUS)
ARBIILATUS (PENTASICHIDA) WYMAN 1847 IN CATTLE AND PIG
(MALI ABD UPPER VCITA). (FR. )
A Challier B Gidel S Traore
Bey Elemage Med Vet Pays Trcp (N.S.)20(2), 255-259.
                                                                                                                                             Parasites
   1967 41.6 53262
Armillifer armillatns, Cattle, Forocepbalosis, Swine.
                                                                                                                     14585-68
                                                                                                                        SEEEP LIVEE FLURE, FACSIOLA HEPATICA L., 1758 FROM
   Abstract
                                                                                                                        EUEFALO, BISON BISON (L., 1758) IN WESTERN WYOMING.
                                                                                                                        R C Eergstrom
J Parasitol 53(4):724
14577-68
   STUDIES ON THE TRANSMISSION OF SIMIAN MALARIAS. II.
   TRANSFISSION OF THE H STRAIN OF PLASHODIUM RNOWLESI
BY ANOFREIES FALABACENSIS BALABACENSIS.
                                                                                                                        Ang 1967 448.8 J824
Bison, Fasciola bepatica.
  MI ANCENELES FALABACENSIS FALABACENSIS
W E Collins F G Contacos E G Guinn
J Farasitol 53(4):f41-844
Aug 1967 448.6 J824
Anopheles talabacensis, Insect vectors, Malaria, Monkeys,
                                                                                                                     14586-68
                                                                                                                        FASCIOLIASIS: FIELD TRIALS OF NITROXYNIL IN SHEEP.
                                                                                                                        A J Colegrave
                                                                                                                        Vet Rec 81(12):343-348
23 Mar 1968 41.8 V641
   Plasacdine kncwlesi.
   Atstract
                                                                                                                        23 Mar 1968 41.8 V641
Anthelmintics, Pascioliasis, Nitroxinil, Sheer.
Abstract: 20 mg. pek kg. injected subcutaneonsly arrested
mortality in acutely affected flocks. In advanced outbreaks
death was hastened by the drug. 10 mg. per kg. brought
good clinical response and was well tolerated by sheep.
14578-68
   SOME NOTES CN ELEAS (SIFHONAPTERA) CF DOMESTIC ANIMALS
IN NOFFREEF TANZAFIA (EAST AFFICA).
   J E Ccofer
  Entomclogist (london) 101(1257):43-45
Eeb 1966 421 EN8
Livestock, Siphonaptera.
                                                                                                                     14587-68
                                                                                                                        VETERINARY TREPAPEUTICS WITH EMPRASIS ON ANTHELMINTICS.
                                                                                                                        B E Dunlop
Ped Amer Soc Exp Biol Fed Froc 26(4):1227-1243 BEF
Jul 1967 442.9 F31P
14579-66
   ABERBANT RYPOLERMA ECVIS INFECTION IN A COW.
                                                                                                                        Anthelmintics, Felmintbiasis, Livestock diseases, Pesticides,
Tberapeutics, Veterinary medicine.
   J B Greve C E Cassidy
Amer Vet Med Ass J 150(6):627-628 BEE
15 Mar 1967 41.8 AM3
   Attle, Bycoderma Lovis.
Atstract: An aberrant 3rd instar Hypoderma hovis was
                                                                                                                     14588+68
                                                                                                                        THE HOST-PARASITE INTERPACE OF CYATHOCOTYLE RUSRIENSIS
  Arstract: An anerrant and instar bypoderma howis was
found in a lymph node from a cow. Grossly, the result ant
lymphadenifis resembled thercolosis. The possibility is
suggested that Bypoderma larvae may persist for several
meths anaerchically in bovine tissnes.
                                                                                                                        REAN, 1962 (IREMATODA, STRIGEOIDEA). II. ELECTRON
MICRCSCOPE STUDIES ON THE TEGUMENT.
                                                                                                                        D A Erasmos
J Parasitol 53(4):703-714 REP
Ang 1967 448.8 J824
14560-68
                                                                                                                        Cyathocotyle hushiensis, Ducklings, Electron microscopy,
  CCMTECL OF CRICREN EODY, SPAFT, AND WING LICE ON LAYING RENS
BY SFIF-TREATMENT WITH INSECTICIDE DUSTS AND GRANULES.
                                                                                                                        Trematoda.
                                                                                                                        Abstract
   BA REEFFARMERE BE REGAN
J ECON EDTEMOL 60 (6) : 1703-1705
                                                                                                                     14589-68
                                                                                                                        ULTRASTRUCTURAL ASPECTS OF OOCYTE DEVELOPMENT AND SRELL
   Dec 1967 421 J822
  Dec 1967 421 3022
Carbophenethion, Chemical centrel (insects),
Chlore-1-(2,4,5-trichlorophenyl)vinyl =dimethyl =phosphate =,
Dusting, Imidan, Liperns caponis, Menacanthus straminens,
                                                                                                                         FORMATION IN ASCARIS LUMERICOIDES.
                                                                                                                        N E FOOT
                                                                                                                        J Parasitol 53(6):1245-1261 BEE
Dec 1967 448.8 J824
   Henoren gallinae, Feultry, Zytren.
Abstract
                                                                                                                        Dec 1967 448.8 J824
Animal physiology, Ascariasis, Ascaris lumbricoides, Cytology,
Oogenesis.
Abstract: Oocytes of A. Inmbricoides are attached throngh-
ont their development to an arial rachis by means of cyto-
plasmic bridges. Development of the oocytes is synchronons.
The fine structure of the nterine cells is that of typical
secretory cells.
14581-68
   THE POSSIFLE EXISTENCE OF TWO STRAINS OF OSTERTAGIA
   CSTERIAGI.
   J F Michel
   Vet Rec 81(27):71E
30 Dec 1967 41.0 V641
Cattle, IEBDDIty, Larvae, Ostertagia ostertagi.
                                                                                                                     14590-68
                                                                                                                        ON A NEW SPECIES OF TEE NEMATORE GENUS CHARERTIA HAILLIET
AND RENRI, 1909 FROM SREEP IN KASEMIR.
D N Fotedar N Hambroo
Indian J Belminthol 19(2):192-196 BEF
Sep 1967 436.8 IN2
Chabertia himalayana, Sheep, Taxonomy.
14582-68
   A BIRIICGRAFRICAL GUIDE TO TRE ANIMAL PARASITES AND
   ABTRECPCD PESIS OF CEVICN.
   B A F Sepadhira
   Ceylcn J Sci Eiol Sci 6(2):39-216
Peb 1567 475 C33
   Animals, Artbropoda, Bibliography, Insect pests, Parasitism.
                                                                                                                     14591-68
                                                                                                                        ACTION OF NAFETHALOPBOS AND YOMESAN AGAINST ASCARIDIA
GALLI AND RETERARIS GALLINARUM IN CHICKENS.
                                                                                                                        T S Foxx H F Ransen
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Avian Dis 11 (4):680-683 Nov 1967 41.6 Av5 Anthelmintics, Ascaridia galli, Cecal worms, Chickens, Diarrhea, Eeterakis gallinarnm, Naphthalophos, Yomesan. 14592-68 BISTOCHFRICAL STULLES OF CARRONYLIC ESTERASE ACTIVITY IN FASCICLA EFFATICA. D W Balton J Farasitol 53(6):1210-1216 BEE Dec 1967 448.8 J824 Acetylchclinesterases, Carboxylesterase, Fasciola hepatica, Histochemistry, Newatodes, Sheep. 14593-68 A SUBVEY OF INTESTINAL HELMINIES IN DOGS FROM ALBOQDEBQUE NEW MEXICC. E Bathaway E J Farasitc1 53(6):1240 Dec 1967 448.8 J824 Cestoda, Climate, Eogs, Helminthology, Intestines, Nematodes, Surveys 14594-66 TOXCETASEA AND TOXCELASHOSIS. L Jacobs Advances Farasitcl 5:1-45 REF 1967 436.6 ADS Animals, Fridemiclogy, Toxorlasmosis. Chiefly medical rarasitology. 14595-68 RISTCCREMICAL STDLY OF DRDG EFFECTS ON MICE INFECTED WITH FirstChemical Storr of Droc Freers on file infected with FirstLiberLia Strikalis. 2 Kozar J Zarzycki E Seniuta T Martynowicz Exp Farasitol 21(2):173-185 BEF Cct 1867 436.6 EX7 Enzymes, Glycogenesis, Histochemistry, Mice, Ribonucleic acid, Thizaclyl)-henzimidizole, 2-(4-, Trichinella spiralis, micelerer. Trichlorfen. Abstract: The changes suggested an inhibition in the meta-bolism of the muscle tissue, reduced activity of alkaline phosphatase, succinic acid debydrogenase, and "a" phosphorylase. These drngs also inhibited glycogen synthesis in the larvae and cansed a reduction in ENA content. 14596-68 TRE STHUCTURE OF THE CLEANING HEUSH ON THE PEDIPAIPS OF SCHE AFFICAN ABELYFYGI (ARACRNICA). B F Tawrence J Zcol 154(1):1-8 FEF Jan 1566 410.9 L04F Electron microscopy, Gastrointestinal system, Nematodes, Nippostrongylus trasiliensis. 14597-68 IPHDNITY CE DOGS TO ANCYLOSTOMA BRAZILIENSE INEECTION ECILCHING VACCINATION WITH X-IRBACIATED ANCYLOSTOMA CANINDE INFVAE. T & Biller Amer Vet Med Ass J 150(5):508-515 REP 01 Ear 1967 41.8 AM3 Ancylostoma braziliense, Ancylostoma caninnm, Dogs, Immunity, Immunization, I-rays. Abstract: This interspecific protection, following use of x-irradiated A. caninum vaccine in paps, may have been practical significance in prevention of creeping ernption associated with infection in man with A. braziliense larvae. 14598-68 TRE EIGICGY OF THE ACANTROCEFHALA. W L Bichclas Advances Farasitol 5:205-246 BEE 1967 436.8 AE9 Acanthocephala, Arthropoda, Eiology. Includes bost-parasite interaction in vertebrate and arthrerod Lests. 14599-66 METAFCLIC TRANSFORMATION OF 14C-GLDCOSE INTO TISSUE PRO-TEIRS CF ABGYLGENATION OF NUMBER TEIRS CF ABGYLGENENEZ & Gimenez K Gaede Exp Farasitol 21(2):215-223 BEF Oct 1967 436.0 ET7 Amino acids, Aminctransferases, Ancylostoma caninnm, Carbon isotopes, Clucose, Metabolism, Proteins, Padianetics tructure Badioactive tracers. Abstract: Enring the present study c-14-glucose was taken up, actively metalclized by A. caninum, and partially

transformed into amino acids and proteins of the parasite. Aminating enzymes are present in the worm homogenates. 14600-68 GROWTH OF THE CESTCDE BAILIIETINA CESTICILLDS IN BACTERIA-FREE CHICKENS. W M Beid H Botero W B Beid B Botero Exp Parasitol 21(2):149-153 Oct 1967 436.8 EX7 Cestoda, Chickens, Germ-free life, Raillietina cesticillns. Abstract: Survival rate of antibiotic-sterilized cysticer-coids was 21 worms from 145 cysticercoids in bacteria-free tapeworms compared to 30 worms from 133 cysticercoids in similarly parasitized control birds. These trials demon-strated no contribution to or interference from the normal bacterial flow of the discretion tract of the fact in extended. bacterial flow of the digestive tract of the fowl in esta-blishment of infection or in growth rate of the cestode B. cesticillus. 14601-68 THE PATHOLOGY OF PASCIOLA REPATRICA INFECTION IN PIGS: A COMPARISON OF THE INFECTION IN PIGS AND OTHER HOSTS. J G BOSS C DOW J B TOdd Brit Vet J 123(7):317-322 REP Jul 1967 41.8 V643 Pascioliasis, Laboratory animals, Livestock, Swine. Abstract 14602-68 ON THE PSEDDOPRYLLTDFAN GENDS SPIRCHETRA HURLIER, 1937 TH INDIAN DOGS. W K Sahasrabndhe H L Shah Indian J Helwinthol 19(2):87-96 REF Sep 1967 436.8 IN2 Dogs, Spirometra, Taxonomy. 14603-6B INFLOENCE OF PH AND OF SALTS ON THE DEVELOPMENT OF EGGS OF PASCIOLA HEPATICA. (IE) A Saint Guillaim & Pechemr 111 (4):251-257 Jun 1967 41.8 AN78 Fasciola hepatica, Bydrogen-ion concentration, Salts. English and French summaries Abstract 14604-68 THE PRE-INFECTIVE LARVAL STAGES OF STEPHANOFILARIA ASSAMENSIS, TRE CADSATIVE PARASITE OF RUMPSORE OF INDIAN CATTLE. H D Srivastava S C Dott B C Malviya Indian J Relminthol 19(2):81-86 HEP Sep 1967 436.8 IN2 Cattle, Insect vectors, Morphology, Mnsca conducens, Stephanofilaria assamensis, Verminons dermatitis. 14605-68 INCIDENCE OF TOXOCARA CANIS AND OTRER RELMINTE PARASITES OF DOGS IN MEXICO CITY. T J Styles J Parasitol 53(4):822-823 REF Aug 1967 448.8 J824 Ancylostoma caninna, Dipylidina caninua, Dogs, Echinococcus granulcsus, Parasites, Taenia, Toxocara capis. Abstract 14606-68 EXPERIMENTAL ASCARIDIASIS: INPLDENCE OF CHICKEN AGE AND INFECTIVE EGG DOSE ON STRUCTORE OF ASCARIDIA GALLI POPDLATIONS. H S Tongson E H HcCraw Exp Parasitol 21(2):160-172 REP Oct 1967 436.8 EX7 oct 1967 436.8 EI7 Aging, Ascariasis, Ascaridia galli, Chickens. Abstract: The recovery of A. galli from domestic fowl giv-en 1000 infective eggs when 2-,4-,6-,8-,12, and 16-weeks old presented a graded pcphation picture with the total worm burden declining with age. Host worms resided in the intes-time between the bile duct and Meckelis diverticnlmm. Both age at infection and infective dose influence the time of appearance of larval precipitates.

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30 14592-68

14613-68

40 COMMODITY PROTECTION

Microbial Contamination

14607-66 AFIATCXIN AND ITS CCWIEGL. 1 A GCldtlatt Econ Fot 22(1):51-62, BFF. Jan 1566 450 EC7 Aflatcxin, Aspergillus, Peed toxicity, Pood contamination, Metabclites, Feannts. 14608-66 NCTICE CF FILING OF EFITIION FOR FOOD ADDITIVES. Fed Begist 244(32):20668-20669 21 Dec 1567 11.451 Cotton Lags, Dried food, Insecticides, Piperonyl Eutoxide,

Storage Diseases

Eyrethrng.

```
14609-66
WHAT VEIEFINABIANS CAN DO AFOUT TEE SALMONELLA PROBLEM.
G B SDOEVERES
Amer Vet Med Ass J 151(12):1795-1800 BEF
15 Dec 1567 41.6 AM3
Food contamination, Livestock, Man, Salmonella, Wildlife.
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Arthropods

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14610-68
  THE CONSERVATION OF EUILDING TIMETERS; A STUDY OF THE INCI-
  THE CONSERVATION OF THE CONTRIBUTIONS A STORE OF THE INCI-
DENCE OF WCCD-ECEING INSERCTS AND WOOD-BOTTING PURGI IN
BUILDINGS AND CTHEE CONTRIEUTIONS TOWARDS THE CONSERVATION
OF BUILDING TIMELES. TA422. F5.
  h E Bickin
   144 P. ICKECN BUICHINSON
  1967
  Buildings, Fungus diseases (Flants), Lumber preservation,
  Wood torers, Wood destroying fangi.
14611-68
  WHAT:S FEST FCE CONTECTIING STOFFD PRODUCTS INSECTS,
  INCLUDING FCACRES.
J Fatton F Fisher I N Febr
Fest Gottr 35(11):8,9,11
Nov 1567 445.6 FX6
  Butonate, Chemical control (insects), Diazinon, Penthion, Naled, Sonnel, Tribolium castanenm.
14612-68
  WOOD- AND EABR-FEEDING COLECFIERA OF FELLED WESTERN
LARCE IN EFITISE COLUMBIA.
  D A Bess
  Entcacl Soc Brit Colnabia Proc 64:23-24
  01 Aug 1967 420 E77
  Colectera, Cendroctonns psendotsngae, Forest insects,
Larix occidentalis, Logs, Melancphila drnmmondi,
Serropalpns substriatns, Tetroping velutinnm.
  Abstract
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HARBECUED CHICKEN AS A SOURCE OF POOD FOISONING. (ARSIBACT). I E Erdman T Barr B Pivnick J I Pataki Can J Public Realtb 59(1):32 Jan 1968 449.8 P964 Harbecueing, Chickens, Convenience food, Food poisoning, Staphylococcus. 14614-68 THE EFFECT OF PH ON THE MULTIPLICATION OF LISTERIA MONOCYTOGENES IN GBASS SILAGE MEDIA. A D Irvin Vet Hec 82(4):115-116 27 Jan 1968 41.8 V641 Grass silage, Bydrogen-ion concentration, Listeria monocytogenes. In relation to listeriosis ontbreaks in cattle and sbeep 14615-68 STAFENELOCCUS FOOD FOISONING FROM BABEBECUED CHICKEN. H Pivnick T H B Earr I F Erdman J I Pataki Can J Public Healtb 59(1):30-31 Jan 1968 449.8 P964

Jan 1968 449.8 P964 Barbecueing, Chickens, Convenience food, Pood poisoning, Staphylococcns.

50 ENVIRONMENTAL CONTAMINATION

14616-68 GAS CHECHATOGFAFHY. A METRIC FCE THE DETERMINATION OF PESTICILE BESIDUES. (SW) B Akerblom Swed Stat Vaxtskyddsanst Vaxtskyddsnotiser 31(2):19-21 1967 464.9 SN3V Chrcmatcgraphy, Festicides, Soil contamination. 14617-68 SFECTEOFHCICMETEIC DETERMINATION CE SEVIN IN NATORAL WATESS. O E Aly Amer Water Works Ass J 59(7):906-912 BEF Jnl 1967 252.5 AM32J Carbamates, Carbaryl, Chemical analysis, Insecticide residues, Carbamates, Cartaryl, Chemical analysis, Insecticide reside Spectrophotometry, Water pollntion. Abstract: A method has been developed of sevin and its hydrolysis product, 1-naphthol. It involves the extraction with chloroform and the hydrolysis of Sevin to 1-naphthol, which reacts with 4-aminoantipyrine and an oxidizing agent in alkaline medium to form a red-colored complex. Ammonia-phosphate huffer was used. Free 1-naphthol is removed by a basic across colution and can be determined cerated by a basic agneous solution and can be determined separately. 14618-68 DSE CF SCIL CONTAMINATED WITH SE-90 FOR SEED FRODUCTION. E J Evars A J Dekker Can J Flant Sci 47(3):319-320 May 1967 450 C16 Barley, Eeed grains, Oats, Seeds, Soil contamination, Soyteans, Strontium isotopes, Wheat. 14619-68 PERSISTENCE AND FICDEGRADATION CP PCDE CCHMON ISOMERS OF EENZENE EEXACELORIDE IN SDEMEEGED SOILS. I C Bac Fae K Bagbn T F Castro J Agt Fcod Chem 15(5):911-914 Sep 1967 381 J8223 Persene boarchloride Corbor incores Still success Benzene berachloride, Carbon isctopes, Chilo suffressalis, Chromatcgrafhy, Degradation, Insecticide residues, Lindane, Badioactive tracers, Bice, Scil micrcorganisms. Abstract 14620-68 WATER CEICEINATICS CONTROLS PSEDDOMONAS APROGINOSA IN A BAREITRY. B & McDonald & E Finheiro Amer Vet Med Ass J 151(7):863-864 REP 01 Oct 1967 41.6 AM3 Chlorine, Esendemonas aernginosa, Babbits, Water treatment. 14621-68 DEGRADATION OF N- (RERCAFICHETRYL) FRTRALIRIDE-S+ (0.0-DI-METEVIPECSFECECCITFICATE) (IMICAN) IN SOILS. J J Menn J B McBain J Econ Entemol 58(5):875-878 Oct 1965 421 J822 Degradation, Dimethyl S-phthalimidcmethyl phcsphorodithioate, 0,0-, Insecticide residnes, Soil hydrolysis, Soils.

55 RESIDUES

14622-68 TOLEBANCES AND EXEMPTIONS FROM TOLEBANCES FOR PESTICIDE CREMICALS IN OF ON HAW AGRICOLTDEAL COMMODITIES. TRIABENDAZOLE. Fed Regist 33(82):6343-6344 26 Apr 1968 L1.451 Bananas, Fungicide residues, Thiazolyl)-benzimidazole, (2-(4-, Tolerances. 14623-68 TOLEBANCES AND EXEMPTIONS FROM TOLEBANCES FOR PESTICIDE CREMICALS IN OF ON RAW AGRICULTURAL COMMODITIES. S-ETEVL BEXAHYDRC-1 E-AZEPINE-1-CAEBOTHIOATE. Ped Begist 32(212):151D7
D1 Nov 1967 L1.451
Pthyl hexabydro-1h-azepine-1-carbothioate, S, Herbicide residnes, Rice, Tolerances. 14624-68 A METABOLIC STUDY OF 3- (3, 4-DICELOBOPHENYL) - 1, 1-DIMETHYLDBEA (DIDECN) APPLIED TC CCEN SEEDLINGS. J Agr Pood Chem 16(3):426-433 May 1968 381 JE223 May 1965 Sof 06225 Carbon isotopes, Corn, Dinron, Herbicide residnes, Metabolites, Pesticide analysis, Badioactive tracers. 14625-68 WHAT:S BEHIND THE DDT HASSLE?. 131(4):28,30,120 Apr 1968 Ddt, Pesticide residnes, Tolerances. 14626-68 TOXIC GROUNDNUT MEAL: THE RELATIONSHIP BETWEEN APLATOXIN B1 INTAKE BY COWS AND EXCEPTION OF APLATOXIN M, IN MILK. B Allcroft B A Roberts Vet Bec 82 (4):116-118 27 Jan 1968 41.8 V641 Aflatoxin, Cattle, Hilk, Peannt meal. Concentration in milk in relation to that in feed . 14627-68 QDANTITATIVE MEASDEEMENT OF COMBINATIONS OF ARAMITE, DDT, TOXAPRENE, AND ENDRIN IN CEOP RESIDUES. T E Archer Boll Environ Contamination Toxicol 3(2):71-79 Mar 1968 RA1270.P35A1 Aramite, Chromatography, Crops, Ddt, Endrin, Insecticide residnes, Pesticide analysis, Toxaphene. 14628-68 BEEAKDOWN OF 14C-CELCEFENVINPEOS INSECTICIDE ON CROPS. R I Beynon A B Wright 19(3):146-153 Mar 1968 Cabbage, Chloro-1-(2,4-dichlorophenyl)winyl diethyl phosphate, 2-, Corn, Decomposition, Insecticide residnes, Potatoes. 14629-6B DETERMINATION OF PENTHION AND EIVE OF ITS METABOLITES IN COEN, GEASS, AND MILK. M C Bowman M Beroza J Agr Pood Chem 16(3): May 1968 381 J8223 16 (3): 399-402 Chromatography, Corn, Penthion, Grasses, Insecticide residnes, Metabolites, Milk, Pesticide analysis. 14630-68 DETERMINATION OF ALKYL DINITEOPHENYL CARBONATES AND CTHER ESTERS, WITE PARTICULAE REFERENCE TO DINOBDTON, IN FEDIT AND VEGETABLES. E Crossley V P Lynch 19 (2):57-59 Peb 1968

Crops. Insecticide residnes, Pesticide analysis.

BIBLIOGRAPHY

55 14653-68

14631-68 EXCRETION OF DET BY MIGRATORY EIEDS. J H Harvey Can J Zcol 45(5):829-633 Ser 1967 470 C16D Birds, Frain, Carlon isotopes, Edt, Excreta, Insecticide residues, Liver, Badioactive tracers, Starlings. Abstract 14632-68 PESTICITE BESTDUFS IN POODSTUFFE IN GREAT EHITAIN. V. MAIATHICA IN IMPORTE CEBEAIS. E G Fill B E Thompson 19(3):119-124 Mar 1968 Grain, Insecticide residues, Balathion. 14633-68 APFLICATICS OF THE FAPID MICSOMPTHOD OF SAMPLE CLEANUP FOR GAS CEECMATCCFAFFIC ANALYSIS CF COMMCN OBGANIC FESTICIDFS IN GBCUNE WATFE, SCII, PLANT AND ANIMAL EXTRACTS. A B Kadchs Enll Environ Contamination Toxicol 3(2):65-70 Mar 1566 FA1270.F35A1 Animals, Chromatography, Cleannp, Greundwater, Pesticide analysis, Festicide residues, Plants, Soils. 14634-68 DIAZINON AFSCEPTICN, TRANSLCCATION, AND METABOLISM IN BEAN FIANTS. A S H Kanscub T L Bopkins J Agr Fcod Chem 16(3):446-450 May 196E 381 J8223 Peans, Carbon isotopes, Diazinon, Bydrolysis, Insecticide residues, Metabolis, Plant translocation, Radioisctores. 14635-66 RESIDUES IN SFINACE GROWN IN DISULPCTON- AND FROBATE-BEAMTE SCIL. B E Menzer I F Ditkan J Econ Enterol 61(1):225-229 EFF Peb 1566 421 J822 Chromatcgraphy, Disulfoton, Food contamination, Insecticide residues, Pesticide analysis, Phorate, Soil cortamination, Spinach. Abstract: the data reported here show that disnlfoton and phorate are extremely persistent in spinach under cold-weather conditions. 14636-68 THE PARTIAL FECTCLYSIS OF 6-CHLCROPICOLINIC ACID IN AODEOUS SCLUIION. C I Bedemann C B Yonngson 3(2):57-105 Bar 1966 Rydrolysis, Festicide residnes, Photochemistry. 14637-68 TRE FATE OF 4-AMINC-3,5,6-TEICRLOBOPICOLINIC ACID IN SPHING WHEAT AND SCII. C T Redemann B W Leikle P Hamilton V S Banks C H Yonngson 3(2):80-98 Mar 1968 Amino-3,5,6-trichloropicolinic acid, 4-, Chromatography, Herbicide residnes, Betabolites, Pesticide analysis, Soils, Synthesis, Wheat. 14638-68 TCLEBANCES AND EXEMPTIONS FBCM TOLEBANCES FOR PESTICIDE CERFICAIS IN CE CAN HAW AGBICULTUBAL COMMOLTIES. 4 (MEIBNISUIPCNYL)-2,6-DINITEC-K,N-DIFROPYIANILINE. FEG LEGISI 33(103):7720-7721 25 May 1568 L1.451 Agricultural products, Rerhicide residnes, Tolerances. 14639-68 5,6-LICELCBO- 1-FHENOXYCARBCNYL- 2-THIFLUOROMETHYLBENZIMID-AZCIE. AOTICE OF ESTAFLISEMENT CF TEMEORABLY TCLERANCE. Ped Eegist 33 (104):7776 28 May 1968 11.451 AFPLES, Insecticide residnes, Tolerances. 14640-68 TOLFEARCES AND FXEMETIONS FBOM IOLFBANCES FOB PESTICIDE CBENICAIS IN CE CK BAW ACELCULTUBAL COMMODITIES. 2,4-D. Fed Begist 32(167):122473 29 Ang 1967 11.451 D, 2,4-, Grain, Herhicide residnes, Tolerances.

14641-68 TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CEHNICLES IN OR ON BAW AGRICULTURAL COMMODITIES. 2-CHLORO-4,6-BIS(ISOFROFYLAMINO)-S-TRIAZINE. Fed Regist 33(109):8337-8338 05 Jun 1968 L1.451 Feed, Forage plants, Grain, Herhicide residues, Tolerances. 14642-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS. Fed Regist 33(109):8356-8357 05 Jpn 1968 L1.451 Endosulfan, Insecticide residues, Lettuce, Soyheans, Tolerances. 14643-68 SUCCINIC ACID 2,2-DIMETRYLHYDRAZIDE. NOTICE OF ESTABIISHMENT OF TEMPOBARY TOLFRANCF. Fed Regist 33 (109):8357 05 Jnn 1968 L1.451 Peannts, Pesticide residues, Plant regulators, Tolerances. 14644-68 4044-08 2-METRIL-2-(METRILIBIO)PROPIONALDIRIDE O-(METHILCARBANOYL)-OXIME. NOTICE OF EXTENSION OF TEMPORARY TOLERANCE. Fed Regist 33(109):8357 US Jun 1968 L1.451 Cottonseed, Insecticide residues, Potatoes, Temik, Iolerances. 14645-68 NOTICE OF WITHDRAWAL OF PETITION HEGAEDING PESTICIDES. Fed Begist 33(104):7775 28 May 1968 L1.451 Agricultural products, Herhicide residnes, Tolerances. Mixture of chemicals 14646-68 2,4-DICHLOBOPHENYL F-WITROPHENYL ETHER. NOTICE OF EXTENSION OF TEMFORMEY TOLFRANCES. Ped Regist 33(104):7775 28 May 1968 L1.451 Agricultural products, Rerbicide residues, Tolerances. 14647-68 2047-08 2,4-DICHLOROPRENYL P-NITROPHENYL ETREE. NOTICE OP ESTABLISEMENT OF TEMPOBABY TOLFRANCES. Ped Regist 33(104):7775 28 May 1968 L1.451 Herhicide residnes, Tolerances. 14648-68 2-(P-TEHT-BUTYLPRENOXY) CYCLOHEXYL 2-PROPYNYL SULPITE. NOTICE OF ESTARLISRMENT OF TEMPORARY TOLERANCES. Ped Regist 33(104):7776 28 May 1968 80 P9492 Prnits, Insecticide residnes, Nnts, Tolerances. 14649-68 NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Ped Regist 32(162):12068 22 Ang 1967 L1:451 Dimethyl S-phthalimidomethyl phcsphorodithioate, 0,0-, Insecticide residues, Tolerances. 14650-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDES. Ped Begist 32(159):11895 17 Ang 1967 L1.451 Beets, Herhicide residnes, Pyrazon, Tolerances. 14651-68 NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Fed Begist 33(66):5377 04 Apr 1968 L1.451 Dichloropropionanilide, 3,4-, Rerhicide residues, Rice, Tolerances. 14652-68 NOTICE OF AMENDMENT OF PETITION REGARDING PESTICIDES. Ped Begist 33(102):7700 24 May 1968 L1.451 Beans, Dichlorvos, Insecticide residnes, Peannts, Hice, Tolerances. 14653-68 TOLERANCES AND EXEMPTIONS PBON TOLERANCES FOR PESTICIDE CHERICALS IN OF ON BAW AGEICULTURAL COMMODITIES. EPN. Ped Regist 33(99):7489 21 May 1568 11.451 Epn, Insecticide residnes, Soyheans, Tolerances.

BIBLIOGRAPHY

55 14654-€8 14654-68 NCTICE CF FILING CF FEILTICN BEGARDING PESTICIDES. Fed Eegist 33(99):7502 21 May 1968 L1.451 Dipheramid, Berbicide residues, Tolerauces, Vegetables. 14655-68 NCTICE OF FILING CE PETITION BEGABDING PESTICIDE CEEMICAL. Fed Regist 33(105):7850 29 May 1965 L1.451 Pruit, Ferricide residues, Buts, Tolerauces, Trifluraliu. 14656+68 NCTICE OF FILING OF PETITION BEGARDING PESTICIDE CREMICALS. Ped Begist 33(52):4593 15 Mar 1988 11.451 Beaus, Dicklorvos, Insecticide residues, Peanuts, Bice, Tolerauces. 14657-88 TOLEBANCES AND EXEMPTIONS FROM TOLEBANCES FOR PESTICIDE CHEMICAIS IN OF CE FAN AGRICOLTOBAL COMMODITIES. S-PROPYL DIFECTYTELCCAFFAMATE. Fed Begist 33(49):4407 12 Mar 1968 L1.451 Berbicide residnes, Feanuts, Fropyl dipropylthiocarbamate, s-, Soyleans, Sweetpotatoes, Tolerances. 14658~68 TOLEBANCES AND EXFERTIONS FROM TOLEBANCES FOR FESTICIDE CREMICAIS IN CE CN BAW AGRICULTURAL COMMODITIES. FBCSFFARIDCE. Ped Begist 33(49):4407 12 Mar 1968 L1.451 Insecticide residnes, Phosphamidon, Tolerances. 14659-68 NOTICE OF WITEDRAWAL OF PETITION REGARDING PESTICIDES. Fed Begist 33(62):5174 29 Har 1966 11.451 Apples, Insecticide residues, Tetrasul, Tolerances. 14660-68 NCTICE OF FILING OF FETITION REGARDING PESTICIDE CREMICALS. Fed Regist 33(62):5174 29 Mar 1968 L1.451 Dipheramid, Herbicide residues, Pesticide aualysis, Potatoes, lolerances. 14661-68 NOTICE OF WITHDEAWAL OF PETITION REGARDING PESTICIDES. Fed Begist 33(62):5173 29 Mar 1968 L1.451 Apples, Chipman BF-11974, Cottouseed, Grapes, Insecticide residues, Pears, Potatoes, Tolerauces. 14662-68 NOTICE OF FILING OF FETITIOE BEGARDING PESTICIDE CREMICALS. Fed Begist 33(E4):5273 02 Apr 196E L1.451 02 Apr 1966 L1.451 Insecticide residnes, Malathion, Pesticide analysis, Sorghum, Tolerances. 14663-68 NCTICE OF FILING OF PETITION REGARDING PESTICIDE CREMICALS. Fed Begist 33(64):5273 02 Apr 1968 L1.451 Berbicides, Festicide analysis, Pesticide residues, Soyteans, lolerances. 14664-68 NOTICE CP WITHDEAWAL OF PETITIOE BEGAEDING PESTICIDES. Fed Begist 23(31):2961-2962 14 Feb 1968 L1.451 Cottonseed, Insecticide residues, Temik, Tolerances, 14665-68 NOTHER OF WITHDRAWAL OF PETITIC'S REGARDING PESTICIDES. Fed Eegist 33(29):22E4 10 Fet 1968 L1.451 Agricultural products, Eiuapacryl, Pood coutamination, Insecticide residues, Tolerances. 14666-68 ICLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CREMICAIS IN CA CH BAW AGRICULIURAL COMMODITIES. 0,0-DIMETRYL S-(4-0X0-1,2,3-RERZOTRIAZIN-3(4B)-YLMETRYL) FRCSFROECDITRIOATE. Fed Regist 33(34):3111 17 Feb 1968 L1.451

Aziuphosmethyl, Insecticide residnes, Tolerances. 14667-68 TOLERANCES AND EXEMPTIONS PROM TOLERANCES FOR PESTICIDE CHEMICALS IN OF CN FAN AGRICULTURAL COMMODITIES. 2,2-DICRLOBOVINYL CIMETHYL PROSPRATE. Ped Begist 33(34):3112 17 Peb 1968 11.451 Iusecticide residues, Waled, Tolerauces, Tcmatoes. 14668~68 FOOD ADDITIVES PERMITTED IN FEED AND DEINKING WATER CP ANIMALS OF FCE THE THEATMENT OF FCOD-PRODUCING ANIMALS. O,O-DIMETRYL S- (4-OXO-1,2,3-BENZOTHIAZIN-3 (4B) -YLMETRYL) PROSPHORODITRIOATE. Prod Regist 33(34):3112 17 Peb 1968 L1.451 Aziuphosmethyl, Cattle, Goats, Iusecticide residues, Sheep, Sugarcane, Tolerauces. 14669-68 NOTICE OF FILING OF PETITIOE REGARDING PESTICIDE CREMICALS. Ped Regist 33(43):4116 02 Mar 1968 L1.451 Cucurbitaceae, Berbicide residues, Tolerauces, Trifluraliu. 14670-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDE CHEMICALS. Fed Regist 33(43):4116 02 Mar 1968 L1.451 Dimethyl S-phthalimidomethyl phosphorodithioate, 0,0-, Insecticide residues, Tolerances. 14671-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDE CREMICALS. Ped Begist 33(43):4116 02 Mar 1968 L1.451 Progicides, Peaunts, Pesticide residues, Tolerauces, Triphenyltin hydroxide. 14672-68 NOTICE OF FILIEG OF PETITION REGARDING PESTICIDES. Fed Regist 33(43):4116 02 Mar 1968 L1.451 Butoxy polypropyleue glycol, Iusecticide residues, Meat, Milk, Tolerauces. 14673-68 NOTICE OF WITEDRAWAL OF PETITION REGARDING PESTICIDES. Ped Begist 33(40):3444 28 Feb 1968 L1.451 Agricultural products, Bis-(2,4-dichlorophemoxyethyl) phosphite, Berbicide residues, Tolerances, Tris-(2,4-dichlorophemoxyethyl) phosphite. Mixture of chemicals 14674-68 ROTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDE CREMICALS. Fed Regist 33(54):4701 19 Mar 1968 L1.451 Chloro-E-isopropylacetauilide, 2-, Berbicide residues, Metabolites, Soybeans, Tolerances. 14675-68 TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CREMICALS IN ON ON NAW AGRICULTURAL COMMODITIES. O-ETRIL S-PRENTL ETRILPROSPROBODITRICATE. Ped Begist 32(169):12604 31 Aug 1967 L1.451 Bthyl S-pheuyl ethylphosphouodithioate, 0-, Insecticide residues, Tolerances. 14676-68 NOTICE OF FILING OF PETITIOE BEGAEDING PESTICIDES. Fed Regist 33(24):2575 03 Feb 1968 L1.451 Insecticide residues, Phorate, Potatoes, Tolerauces. 14677-68 BOTICE OF FILING OF PETITION REGARDING PESTICIDES. Ped Begist 33(24):2575 03 Peb 1968 L1.451 Fruit, Fungicide residues, Streptomycim, Tolerauces. 14678-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDES. Fed Regist 33(24):2575 03 Feb 196E L1.451 Diazinon, Insecticide residnes, Tolerances.

BIBLICGEAFHY

55 14705-68

14692-68 14679-68 NOTICE OF FILING OF FFTITION BEGARDING PESTICIDES. Fed Begist 32(152):11449 08 Ang 1967 L1.451 Dichlorvos, Insecticide residues, Tolerances, Tomatoes. FEOFOSFE REDUCTION OF TOLERANCES IN OR ON RAW AGRICULTORAL CCMPCILITIES. Ped Fegist 33(28):2787-2788 05 Fet 1968 L1.451 Agricultural groducts, Ddt, Insecticide residues, Tolerances. 14693-68 NOTICE OF WITHDRAWAL OF PETITION REGARDING FFSTICIDE 14680-68 NCTICE OF WITHEBAWAL OF PETITICN BEGABDING PESTICIDES. Fed Begist 32(162):12067 CHEMICALS. Fed Regist 33(55):4751 22 Aug 1967 L1.451 Difolatan, Fungicide residnes, Tolerances. 20 Mar 1968 L1.451 Amino-3,5,6-trichloropicolinic acid, Herbicide residues, Tolerances. 14681-68 NCTICE CE FILING CE FETITION BEGAEDING PESTICIDES. Ped Eegist 32(152):11448-11449 08 Aug 1967 I1.451 14694-68 NOTICE OF WITHDRAWAL OF PETITIONS FOR PESTICIDE AND FOOD ADDITIVE MANEE (MANGANESE EIRVLENERISDITHIOCARRAMATE). Ped Regist 246 (32):220669-20670 21 Dec 1967 L1.451 08 Aug 1967 I1.451 Fungicide residues, Maneb, Tolerances, Zineb. Feed additives, Enngicide residnes, Grain, Maneb, Tolerances. 14682-68 NCIICF CF FILING CF FFIITICN FFGABDING PESTICIDES. Fed Eegist 32(152):11448 08 Ang 1967 L1.451 Cynoden daetylon, Einron, Herbicide residues, Tolerances. 14695-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDE CREMICALS. Fed Regist 246(32):20669 21 Dec 1967 11.451 Dinron, Ray, Berbicide residues, Nnts, Tolerances. 14683-68 NCTICE CE FILING CE PETITION ECE EOCE ADDITIVES. Fed Regist 32(155):11650-11651 11 Aug 1967 L1.451 14696-68 NOTICE OF WITEDBAWAL OF PETITION REGABDING PESTICIDES. Ped Begist 246(32):20669 21 Dec 1967 L1.451 Reets, Berbicide residnes, Fyrazon, Sugar beets, Tolerances. Azinghesmethyl, Insecticide residues, Soybeans, Tolerances. 14684-68 NGTA-66 NGTICE CE FILING CE FETITION EFGARDING PESTICIDES. Fed Regist 32(159):11896 17 Ang 1967 Ll.451 Reets, Ferticide residues, Frofyl bntylethylthiocarbamate, s-, Tolerances, Tcmatces. 14697-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDES. Fed Begist 246(32):20669
21 Dec 1967 L1.451
Dimethoate, Insecticide residues, Lemons, Oranges, Tolerances. 14685-68 NCIICE CE FILING CE FETITICN FECABEING PESTICIDES. 14698-68 Fed Fegist 32(138):10615 19 Jul 1967 I1.451 Chlcrc-N,N-diallylacetamide, alpha-, Crops, Berbicides, NOTICE OF FILING OF FETITION BEGARDING FESTICIDES. Fed Begist 32(205):14670-14671 21 Oct 1967 L1.451 Festicide residues, Tolerances. Alfalfa, Cattle, Endosnlfan, Insecticide residnes, Tolerances. 14686-68 14699-68 NOTICE OF FSTABLISEMENT OF TEMPORARY TOLERANCE. NOTICE OF FILING OF PETITION REGARDING PESTICIDES. Fed Regist 32 (219):15647 10 Nov 1967 L1.451 Dodine, Fungicide residnes, Peannts, Pecans, Tolerances, Walnuts. Fed Eegist 32(138):10615 19 Jul 1967 I1.451 Apples, Butyl-4,6-dimitrophenyl isopropyl carbonate, 2-sec-, DimitroIntylphenol, Insecticide residnes, Metabolites, Pears, Iclerances. 14700-68 NOTICE OF FILING OF FETITION BEGARDING PESTICIDES. Fed Regist 32(219):15647 10 Nov 1967 L1.451 Gibberellic acid, Festicide residues, Plant regulators, 14687-68 NOTICE CE ESTABLISEMENT OF TEMPCHARY TOLFRANCE. Fed Eegist 32(146):11091 29 Jnl 1967 L1.451 Herbicide residues, Sugarcane, Tolerances, Triflnralin. Tolerances 14701-68 14688-68 1658-66 DET: FSTABLISEMENT OF PESTICIDE AND FOOD AEDITIVE TCLEFANCES. Ped Begist 32(147):11157 Of Ang 1967 L1.451 Ddt, Eogs, Insecticide residnes, Tolerances. NOTICE OF FILING OF PETITICN BEGABDING PESTICIDES. Ped Begist 32(219):15647 10 Nov 1967 L1.451 Renzamidooxyacetic acid, Herbicide residnes, Sugar beets, Tolerances. 14689-68 14702-68 TOLFBANCES AND FIFMETIONS FROM TOLERANCES FOR FESTICIDE NOTICE OF FILING OF FETITION BEGARDING FESTICIDES. CREMICAIS IN CE CN FAN AGRICULTORAL COMMCDITIES. 1,1-BIS (F-CELCECFEENYL)-2,2,2-TEICRLOROPTEANOL. Eed Regist 32(221):15721 15 Nov 1967 L1.451 Fed Regist 32(149):11263-11264 03 Aug 1967 L1.451 Corn, Herbicide residnes, Tolerances, Trichlorobenzyl chloride. 03 809 Dicofol, Bay, Insecticide residues, Tolerances. 14703-68 NOTICE OF FILING OF FFTITION BEGARDING PESTICIDES. Fed Regist 32(223):15848 17 Nov 1967 L1.451 Insecticide residnes, Mirex, Tolerances. 14690-68 NCTICE OF FILING OF FETITION SEGAEDING PESTICIDES. Fed Eegist 32(151):11389-11390 05 Aug 1967 L1.451 Atrazine, Berticide residues, Tolerances. 14704-68 NOTICE OF FILING OF PETITION REGARDING PESTICIDES. Ped Regist 32(223):15849 17 Nov 1967 L1.451 14691-68 NCTICE CF FILING CF FETITION EFGARDING PESTICIDES. Red Fegist 32(152):11449 Red Fegist 32(152):11449 O8 Aug 1967 L1.451 Corn, Bthyl diisobntylthiocarbamate, S-, Berbicide residues, Tolerances. Pungicide residues, Metabolites, Tolerances. 14705-68 NOTICE OF FILING OF PETITION BEGARDING FESTICIDES. Ped Regist 32(232):16507 01 Dec 1967 L1.451

Amino-3,5,6-trichloropicolinic acid, 4-, Barley, Grasses,

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BIBLIOGRAPHY

55 14708-88 Berbicide residnes, Cats, Snoarcane, Tolerances, Wheat. 14706-68 NCTICE OF FILING OF FETITION BEGAREING PESTICIDES. Fed Begist 33(5):306 09 Jan 196E L1.451 Chirman BF-11974, Cottonseed, Pruit, Insecticide residnes, Fotatces, Tolerances 14707+68 NOTICE OF FILING OF PETITION BEGABLING PESTICIDES. Fed Begist 33(5):306 09 Jar 1968 L1.451 Berticide residues, Tolerances, Trifluralin. 14708-66 NCTICE OF FILING OF PETITION BEGARDING PESTICIDES. Fed Eegist 33(5):307 09 Jan 1968 L1.451 Earley, Corn, Dicamba, Herhicide residnes, Metaholites, Oats, Tolerances, Wheat. 14709-68 NCTICE OF FILING OF FETITION BEGABDING PESTICIDES. Fed Begist 33(11):598 17 Jan 1968 L1.451 Chlorchenzilate, Ccttonseed, Insecticide residues, Tolerances, Walnuts. 14710-68 Allocation and a set of the 14711-68 NCTICF CF FILING CF PETITION BEGABDING PESTICIDES. Fed Eegist 33(12):650 18 Jan 1968 L1.451 Celery, Insecticide residues, Methoxychlor, Potatoes. 14712-68 NOTICE OF FILING OF PETITION BEGABDING PESTICIDES. Ped Regist 33(12):651 16 Jan 1968 L1.451 Insecticide residues, Methyl N-((methylcartamoyl)oxy)thioacetimidate, S-, Tolerances. 14713-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDES. Fed Begist 33 (12):651 18 Jan 1966 L1.451 Insecticide residnes, Meat, Milk, Octylbicyclcheptenedicarboximide, N-, Tolerances. 14714-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDE CHEMICALS. Ped Begist 33(71):5635 11 Arr 1968 L1.451 11 Apr Disulfoton, Insecticide residues, Tolerances, Wheat. 14715-68 NOTICE OF FILING OF PETITION BEGABDING PESTICIDES. Fed Eegist 33(20):1214 30 Jan 1988 L1.451 Insecticide residnes, Meat, Milk, Pyrethrnm, Tolerances. NOTICE OF FILING OF PETITION EFGARDING PESTICIDES. Fed Begist 33(20):1214 30 Jan 1966 L1.451 Berhicide residnes, Isopropyl N-(3-chlorophenyl)carhamate, Tolerances. 14717-68 NOTICE OF FILING OF FETITION BEGABDING PESTICIDES. Fed Legist 32(174):12868 08 Sep 1967 L1.451 Demeton, Insecticide residnes, Tolerances. 14718-68 NOTICE CP FILING CF FFTITION BEGARDING PESTICIDES. Fed Begist 32(176):12961 12 Sep 1967 L1.451 Insecticide residnes, Malathion.

14719-68 N19-66 NOTICE OF FILING OF FETITION BEGARDING PESTICIDES. Fed Regist 32(176):12961-12962 12 Ser 1567 L1.451 Herbicide residues, Feannts, Potatoes, Propyl dipropylthiocarhamate, s-, Soybeans, Tolerances. 14720-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDES. Fed Regist 32(182):13299 20 Sep 1967 L1.451 Cottonseed, Insecticide residues, Temik, Tolerances. 14721-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDES. Fed Begist 32(185):13424 23 Sep 1967 L1.451 Ethylamino)-4-(isopropylamino)-6-(methylthio)-s-triazine, 2-, Berhicide residnes, Tolerances. 14722-68 NOTICE OF FILING OF FETITION REGARDING PESTICIDES. Ped Begist 32(186):13466 26 Sep 1967 L1.451 Insecticide residnes, Tolerances, Trichlorfon. 14723-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDES. Ped Begist 32(187):13543 27 Sep 1967 L1.451 Epn, Insecticide residues, Soybeans, Tolerances. 14724-68 NOTICE OF FILING OF PETITION BEGARDING PESTICIDES. Ped Regist 32(190):13734 30 Sep 1967 L1.451 Chloro-W-isopropylacetanilide, 2-, Herhicide residnes, Metabolites, Soyheans, Tolerances. 14725-68 NOTICE OF FILING OF PETITION BEGAEDING PESTICIDES. Fed Begist 32(206):14698 24 Oct 1967 L1.451 Ethyl dipropylthiocarhamate, S, Berhicide residnes. 14726-68 NOTICE OF FILING OF PETITIOE BEGAEDIRG FESTICIDES. Fed Begist 32(207):14791 25 Oct 1967 L1.451 GS-13005, Insecticide residnes, Tolerances. 14727-68 NOTICE OF FILING OF PETITION BEGARDIRG PESTICIDES. Fed Begist 32(202):14407 18 Oct 1967 L1.451 Berhicide residues, Metohromuron, Potatoes, Tolerances. 14728-68 NOTICE OF WITEDBAWAL OF PETITION REGARDING PESTICIDES. Ped Begist 32(221):15721 15 Nov 1967 L1.451 Citrus, Pungicide residues, Maneb, Tolerances. NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Ped Begist 32(232):16508 01 Dec 1967 L1.451 Azodrin, Insecticide residnes, Soyheans, Tolerances. 14730-68 NOTICE OF WITSDEAWAL OF PETITION REGARDING PESTICIDES. Ped Regist 32(233):16539 02 Dec 1967 L1.451 Pungicide residues, Tetrachloroisophthalonitrile, Tolerances. 14731-68 NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Ped Begist 32(23):16539 O2 Dec 1967 L1.451 Dichlorallyl diisopropylthiocarbamate, S-2,3-, Bernicide residnes, Tolerances. 14732-68 NOTICE OF WITEDBAWAL OF PETITIOR REGARDING PESTICIDES. Ped Regist 32 (233):16539 02 Dec 1967 L1.451 02 Dec 1967 Ll.451 Chloro-N,N-diallylacetamide, alpha-, Berhicide residues, Tolerances.

BIBLIOGEAPEY

55 14753-68

14733-66 NCTICF CF WITEDEAWAL OF PETITICN BEGAEDING PESTICIDES. Fed Fegist 33(5):307 09 Jau 1968 L1.451 Ccrn, Berbicide residues, Tolerances, Trichlorobenzyl chloride. 14734-68 NOTICE OF WITEDEAWAL OF PETITICE BEGARDING PESTICIDES. Fed Begist 33(5):266-307 09 Jan 1966 L1.451 Dichlerepropionabilide, 3:,4:, Herbicide residues, Rice, Tolerances. 14735-68 NOTICE CE WITHERAWAL OF PETITION REGARDING PESTICIDES. Fed Fegist 33(75):5896 17 Apr 1968 L1.451 Ercsophenyl)-N:-methyl-N:-methoxyurea, N-(p-, Rerlicide residues, Ectatoes, Iclerances. 14736-68 NCTICF CE WITHEDEANAL OF PETITION REGARDING PESTICIDES. Eed Begist 33(79):6190 23 Apr 1568 11.451 Eenzawidocxyacetic acid, Rerbicide residues, Sugar beets. 14737-68 NOTICE OF WITEDRAWAL OF PETITION REGALDING PESTICIDES. Eed Fegist 33(2):64 04 Jan 1968 11.451 Cotton, Cottonseed, Defoliants, Endothal, Rerbicide residues, Iolerances. FROFOSED REDUCTION IN TOLERANCE IN CR ON RANANAS. Eed Fegist 33(85):68E0-68E1 07 May 1968 11.451 Eananas, Eiurch, Herticide residues, Nots, Tolerances. 14739-68 1739-66 TOLEBANCFS AND EXEFFTICNS FBCM 10LFBANCES FOB PESTICIDE CBEMICAIS IN CF CN FAN AGBICULIOBAL COMMODITIFS. N-BUTYL-N-FTHYL-ALFFA,ALFRA,ALFHA-TTIFLUOBO-2,6-DINITRO-P-TOLUIDINE. Fed Fegist 32(192):13807 04 Oct 1967 L1.451 Alfalfa, Firdsfoct trefoil, Eutyl-N-ethyl-alfha-trifluoro-2,6-dipitro-p-tolpidine, N-, Clever, Herlicide residues, Peauuts, Tolerances. 14740-68 NOTICE OF WITHERAWAL OF PETITION REGARDING PESTICIDES. Eed Regist 32 (185):13423-13424 23 Sep 1967 11.451 23 Sep Chlorc-2-mitropropane, 1-, Fungicide residnes, Tolerances. 14741-68 NOTICE CF WITEDBAWAL OE PETITICKS FOR PESTICIDE CHEMICAL AND FCCD ADDITIVF NICKFL SDLEATF. Fed Regist 32(202):14407 18 Cct 1967 11.451 Eungicide residues, Nickel sulfate, Tolerauces. 14742-68 NOTICE CE MITEDEAWAL OF PETITIONS FOR PESIICIDE CHEMICAL AND ROTION CE WITHEBAWAA OF FEITHOUS FOR FESTIONS CONFECTATION FCCF ACITITUF. Fed Begist 33(86):6753 02 May 1968 L1.451 Azinphosethyl, Cottonseed, Food additives, Insecticide residues, Potatces, Soyleans, Tolerauces. 14743-68 NAISSE NCTICF CE WITBEBAWAL OF PETITION EOB FOOD ADDITIVFS. Fed Regist 33(71):5635 11 Apr 1968 L1.451 Azimphosmethyl, Fccd additives, Insecticide residues, Soybean oil, Tolerances. 14744-68 NOTICE CE FILING CF FFIIIION BEGABEING PESTICIDES. Fed Regist 33(12):851 18 Jan 1968 L1.451 D, 2,4-, Berbicide residnes, Tolerances. 14745-68 ICLERANCES AND EXEMPTIONS FECH IOLERANCES FOR FESTICIDE CHEMICAIS IN CE CN BAW AGEICULTDRAL COMMODITIES. N-EDTYL-N-ETBYL-ALFBA, ALFHA, ALFHA-TEIFLUOBO-2,6-DINITRO-F-TOLUIDINE. Fed Regist 32(235):17472 06 Dec 1967 11.451

Alfalfa, Birdsfoot trefoil, Butyl-N-ethyl-alpha-trifluoro-2,6-dinitro-p-tolnidiue, N-, Clover, Herbicide residues, Lettuce, Peanuts, Tolerances. 14746-68 CIS-2,3,5,5,5-PENTACHLCRO-4-KETOPENTENOIC ACID; NOTICE OF ESTABLISHMENT OF TEMPCBARY TOLERANCE. Established (179):13148 15 Sep 1967 L1.451 Cottonseed, Defoliants, Peutachloro-4-ketopentenoic acid, cis-2,3,5,5,5-, Pesticide residues, Tolerances. 14747-68 NOTICE OF FILING OE PETITION FOR FOOD ADDITIVES. Eed Regist 33(71):5635 11 Apr 1968 L1.451 Cattle, Dimethoate, Feed, Food additives, Iusecticide residues, Tolerances. 14748-68 NOTICE OF FILING OF PESTICIDE AND FOOD ADDITIVE FETITIONS. Fed Regist 32(223):15849 17 Nov 1967 L1.451 Aziuphosethyl, Cottonseed, Insecticide residnes, Fotatoes, Soybeans, Tolerauces. 14749-68 NOTICE OF FILING OF FETITION REGARDING PESTICIDE CHEMICAL. Ped Begist 33(89):6890 97 May 1968 L1.451 Rerbicide residues, Sngarcaue, Tolerances, Trifluralin. 14750-68 NOTICE OF WITHDRAWAL OF PETITION REGARDING PESTICIDES. Eed Regist 32(203):14568-14569 19 Oct 1967 L1.451 Insecticide residues, Fotatoes, Temik, ToIerances. 14751-68 TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON BAW AGRICULTDRAL COMMODITIES. 2-CRLORO-N-ISOPROPYLACETANILIDE. Ped Begist 32(210):14944 28 Oct 1967 L1.451 Chloro-N-isopropylacetauilide, 2-, Coru, Herlicide residnes, Sorghum, Tolerances. 14752-68 4752-66 TOLERANCES AND EXEMPTIONS FROM TOLFRANCES FOR PESTICIDE CHEMICALS IN OF ON FAW AGRICULTURAL COMMODITIES. 0,0-DIETRYL S-2-(ETHYLTHIO)ETHYL PROSPHORODITHIOATE. Eed Regist 32(193):13863 05 Oct 1967 L1.451 Coffee, Corn, Demeton, Displfoton, Insecticide residues, Sugarcane, Tolerauces. 14753-68 TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CREMICALS IN OB CN BAW AGRICDLTUBAL COMMODITIES. O, O-DIETHYL O- (2-ISOFROPYL-4-METRYL-6-FYRIMIDINYL) PROSPROROTRICATE. Fed Regist 32(233):16529 02 Dec 1967 L1.451

Diaziuon, Iusecticide residues, Tolerances.

60 TOXICOLOGY

14754-68 INTERACTION OF DDT AND THE CASTROINTESTINAL MICHOPLORA OF THE FAT. E C Fraunterg V Beck J Agr Fccd Chem 16(3):451-453 May 1966 361 J8223 Bacteria, DDT, Feces, Gastrointestinsl system, Metabolites, Fats. 14755-68 FOISCBING COLLS WITE ALPHA-CRLORALOSE NEAF A NEW ZEALAND AIBEIELC. Alfill. A Caithhness J Wildlife Banage 32(2):279-286 Apr 156€ 410 J£27 Aircraft, Fird control, Chloralose, Gnlls. 14756-68 MARCCIIC AND TOXIC ACTION CE ORGANIC COMPCUEDS ON EARNACLE LAEVAE. D J Crist A C Christie A E A Ghcbashy Compar Eicchem Physiol 22(3):629-649 REP Sep 1567 444-8 C73 Barnacles, Farcetics, Organic compounds, Toricity. Abstract 14757-68 TEMIK-S35 METAECLISH IN A LACTATING COW. W 8 Eorcngh G W Ivie J Agr Ecod Chem 16(3):460-464 1968 3E1 J8223 Cattle, Eeces, Metabolites, Milk, Temik, Urine. 14758-66 SECONDARY FOISCHING ASSOCIATED WITH ANTICOAGULANI-KILLED NUIBIA. J Evars A I Ward Amer Vet Med Ass J 151(7):856-861 REP 01 Cct 1967 41.6 AM3 Anticcagnlants, Dogs, Beat, Binks, Butria, Poisoning. Anticcagnlants, Dogs, Meat, Minks, Nutria, Poisoning. Abstract: Secchdary poisoning resulted when meat from anticcagnlant-Killed nutria was fed to commercial mink and mongrel dogs. This cccnrred with hoth the coumarin and indandicne anticcagulants; the conmarin group was represent-ed by $3-(1^{-}(r-ch) orphenyl)-rroyl)-4-oryconmarin, and a$ warfarin and snlfagninoxaline preparation. The indandionegroup hy diphacincne, pindone, and 2-isovaleryl-1,3-in-dandione calcinm salt. Mink and dogs died directly fromeating the meat, and a mink and 2 dogs died from hemorrhagewhen flood samples were taken. Ficasay showed that thecryccumarin. The demand for nutria as mink and pet foodrules out nse of these rodenticides for nutria control.14759-68 SELECTIVE SYNERGISH OF CARRAMATE INSECTICIDES ON HOUSEFILES BY ARYLCIYALKYLAMINES. B A Eabsy E T Gordon J Eccn Entcmol 58(3):451-455, BIBL. 455, TARS. Jun 1965 421 J822 Aryloxy'alkylamines, Carbamates, Insecticide synergists, Musca derestica. 14760-68 ASFIBIN FOISCBING IN THE CAT. J D Rerrgesell Aper Vet Med Ass J 151(4):452-455 REF 15 Apg 1967 41.6 AM3 Abstract: A clinical case of aspirin prisoning in the cat is described; the cutstanding clinical signs being hyperprea, byperpyrevia, depression, and death. This syndrome was experimentally induced in 3 cats, at doses of 5 gr. h.i.d. fathologic lesions of toric hepatitis and gastritis were found in all 4 cats.

19761-68 AN ATTEMPT TO PRODUCE CREONIC NITFITE TOXICOSIS IN SWINE. W T London W Henderscn R F Cross Amer Vet Med Ass J 150(4):398-402 REF 15 Feb 1967 41.8 Am3 Amer vet hea Ass J 150(4):398-402 kPr 15 Feb 1967 41.6 Af3 Flood analysis, Methemoglohinemia, Nitrites, Poisoning, Potassinm mitrite, Swine. Abstract: Potassinm mitrite was administered orally to pigs to determine the toxic and lethal levels and to measure the methemoglobin response, and other pigs were given sublethal levels to determine the effects of prolonged intake. Pigs given single oral dose ranging from 12.2 to 19.8 mg. per kilogram of hody weight developed clinical methemoglobin nemia. Pigs given 21.3 mg./kg. or more died. Death occurred when the methemoglobin level reached 76 to 82 percent. Prolonged sublethal intake had little effect on average daily gain or feed conversion. Remoglobin, packed cell volnmes, and total lenkocyte connts gradnally in-creased. Sernm vitamin A and E levels became lower, bnt neither clinical signs nor lesions were produced. Growing pigs can tolerate high levels of nitrite over a long period without serions effects. period without serious effects. 14762-68 THE SAFE USE OF PESTICIDES. L Lykken Agr Chem 22(9):35-36 Sep 1967 381 A68 Accident prevention, Festicides, Poisoning. 14763-68 7763-68
THE INFLUENCE OF DIET ON TOTICITY OF TRE ANTIONIDANT
1,2-DIRYDRO-6-ETRONY-2,2,4-TRIMETRYLQUINOLINE.
R E March J Riely V Coates
Can J Physiol Pharmacol 46(2):145-149 REF
Mar 1968 444.8 C16
Antioxidants, Chicks, Diet,
Ethoxy-1,2-dihydro-2,2,4-trimethylgninoline, 6-,
Feed additives, Proteins. Feed additives, Proteins. English and french abstracts Abstract: Toricity to chicks of 1,2-dihydro-6-ethoxy-2,-2,4-trimethylguinoline (EQ) was significantly greater when the diet was low in protein. When fat snpplementation of the diet enhanced EQ toricity the effect appeared to re-sult from an increase in the energy: protein ratio of the diet rather than from the fat itself. The concentration of EQ in the livers of chicks fed 0.25 percent EQ for 6 weeks was significantly higher when the dietary level of protein was 17 percent than when the level was 23 percent. 10760-68 FLUOROSIS IN A HERD OF CATTLE IN KENYA. M Hurray Rnll Epizoot Dis Afr 15(3):259-262 Sep 1967 41.8 8872 Cattle, Fluorosis, Poisoning. 14765-68 ETHYLENE GIYCOL POISONING IN POULTEY. C Biddell S W Nielsen E J Kersting Amer Vet Med Ass J 150(12):1531-1535 REF 15 Jun 1967 41.6 AM3 Calcinm oxalate, Chickens, Ethylene glycol, Geese, Poisoning. Abstract: A field case of suspected ethylene glycol poison-ing in geese is described in which the principal lesions were calcinm oxalate crystals in renal tubnles and walls of cerebral vessels. Chickens were experimentally exposed to EG in drinking water. All birds given 25.0 ml./L. or more had renal oxalosis. Birds on continnons lower levels for 2 weeks were not affected clinically, hut some had calcium oxalate crystals in the renal tubules. ETHYLENE GLYCOL POISONING IN POULTRY. 14766-68 CREMOSTERILANT PROPERTIES, CYTOTOXICITY, AND MAMMALIAN TOXI-CITY OF APROLATE AND OTREE P-N BING CREMICALS. S S Ristich R H Ratcliffe D Perlman J Econ Entomol 58(5):929-932 Oct 1965 421 JE22 Apholate, Chemosterilants, Mammals, Mice, Musca domestica, Toxicity. 14767-68 CRIORDANE AS A POSSIBLE TOXIC RAZAND IN REEKEEPING. W A Stephen E Rodgson J Econ Entomol 55(3):409 Jun 1962 421 J822

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Apiculture, Bees, Feeswax, Chlordane, Toxicology.

14768-68 FOCE ACCITIVES FEFHITIED IN FOCE FOR RUHAN CONSUMPTION. ONTITERACICINE, CABECHICIN. Fed Regist 33(2):73 04 Jat 1566 L1.451 Carterycin, Chickers, Food additives, Oxytetracycliue, Respiratory diseases, Tolerances.

14765-68

TERFORARY ADSCRIPTION ON A SUESTRATE OF AN OIL-SPILL REMOVER (DETERGENT); TESTS WITH LARVAR OF SAFELLARIA SPINULOSA. D F Wilser Har Piol Ass Ok J 48(1):183-186 Feb 1568 442.5 8331

Aquatic animals, Detergeuts, Larvae, Torius.

14770-68

FEOFEFTIES OF TOXIC FESCUE EXTRACTS. (ABSTRACT).

FEOFEFTIES OF TOXIC PESCUF FITBACTS. (ABSTHACT). S J Yau E B Jacobion J Dairy Sci 51(4):625 Apr 1966 44.6 J822 Acids, Animal physiology, Chromatography, Pestuca, Poisonous flauts, Fats. Abstract of paper presented at the Americau Dairy Science Associaticu Scutheru Divisicr annual meeting, Louis-ville, Fet. 5-7, 1968

65 PLANT PHYSIOLOGY AND BIOCHEMISTRY

```
14771-68
   THE EFFECT OF WILTING ON REDOX POTENTIAL OF CEREAL LEAVES.
   J Beuada
   Biol Plaut 9 (6):447-453
1967 450 852
   Pungus diseases (plauts), Grain, Leaves,
Oridatiou-reduction pcteutial, Plaut disease resistance,
Plaut water relations.
  Abstract: The redox potential of wilted leaves of cereal
seedlings grown in a greenhouse was higher than in fresh
leaves. The cause of the change redox potential is dis-
cussed in connection with the outogeny of cereals and resis-
tance against obligate parasites.
14772-68
   PHODUCTION OF APLATOXINS H1 AND G1 IN CREMICALLY DEPINED
```

REDIUM. N D Davis O L Dieuer V P Aguihotri Hycopathol Hycol Appl 31 (3-4):251-256 28 Apr 1967 450 8994

Aflatoriu, Aspergillus flavus, Culture media.

14773-68

METROD OF CONTHOLLING PLANT GROWTR. PATENT 3,375,096. T & Girard Us Patent Office Offic Gaz 848(4):1022

- 26 Har 1968 156.65 OF2 Chloriuated hydrocarbous, Pateuts, Plaut growth iuhibitors.
- 14774-6B

DEPENDENCE OF LONGITUDINAL GHCWTH OF THE HYPOCOTYLS CF LACTUCA SATIVA L. CH TRE LEVEL OF FXOGENOUS GIHBEHELLIN GA3 AND ON TRE TYPF OF ILLUHINATION. J Bradilik Biol Plaut 9 (5): 368-371 1967 450 B52

Pluoresceut lamps, Githerellic acid, Lettuce, Light, Plaut physiology.

14775-68

EFFFCTS OF DIHECT CONTACT OF FINE SEEDS OR YOUNG SEEDLINGS WITH COMMERCIAL FORMULATIONS, ACTIVE INGREDIENTS, OR INERT INGREDIENTS OF TRIAZINE REMBICIDES. T T Kozlowski S Sasaki Can J Plaut Sci 48(1):1-7 REP Jau 1968 450 C16 Atraziue, Berhicides, Piuus resinosa, Propaziue, Seedliugs, Seeds, Simaziue, Tree iujuries, Triazines.

Abstract

14776-68

TRE GROWTH OF VAHIOUS FILAMENTOUS FUNGI AND YEASTS ON H-ALKANES AND REIONES. I. STUDIES ON SUBSTRATE SPECIFICITY. C E Lowery J W Poster P Jurtshuk Arch Bikrohiol 60(3):246-254 BEP 09 Jau 1968 442.8 AB26 Culture media, Fungi, Ketoues, Paraffius, Plaut physiology. Abstract: Winety-five fungi were tested for their ahility to grow on liguid mineral media coutaing u-alkaues as sole source of carbon. Of 29 filameutous fungi tested, 18 were capable of growing on u-alkaues. Of 66 yeasts ouly 11 er-hibited this ahility, predominautly Caudida, Bhodotorula and Deharyomyces. Of the hydrocarbon utilizing filameutous fungi and yeasts, almost all were capable of growing on u-alkaues having a chain length of 10 carbon atoms or more. Ouly a few of the filameutous fungi to grew on the short chain u-alkaues. Of the 8 hydrocarbon utilizing yeasts ex-amined, only 5 grew ou a few ketones. SPECIFICITY.

14777-68

BETHOD FOR REGULATING PLANT GROWTH, PATENT 3.376.126. W C EcCouvell R W Rahu Us Pateut Office Offic Gaz 849(1):165 02 Apr 1968 156.65 OF2 Pertilizers, Patents, Plaut regulators, Plauts, Potassium azide, Soil hacteria, Soil microorgauisms, Soil sanitation.

65 14778-68 14778-66 EFFECT OF ADISITIONAL FACTORS ON MYCELIAL GROWIE AND SPORD-LATICE OF CANADIAN ISOLATES OF ASCOCRYTA INFEMPECTA PECK. ₩ Head p m dau Phytopathology 52(1):21 Jan 1562 464.6 P56 Alfalfa, Ascochyta imferfecta, Culture media, Fungi, Flant nutriticn, Sfore germination. 14779-66 DEFCLIATICE OF FLAETS. FATENT 3,378,364. & L Wenville & F Carroll US Fatert Office Offic Gaz 849(3):768 16 Apr 1968 156.65 OF2 Arsenic compounds, Cotton, Defoliation, Fatents, Soybeans. 14760-68 A MOCIFIED FEAN BOOT INIATICN TEST FOR AUXINS AND INHIBI-ICES. F A FCarst A F Enrkee S H Nelson Can J Plant Sci 47(3):263-266 BFF May 1967 450 C16 Beans, Ficlogical assay, Plant growth inhibitors, Flant regulators, Tissues. Abstract: Kemoval of tissues above the cotyledonary mode Abstract: bemcval of tissues arove the cotyledonary mode from leafy stem cottings of beans, after imbitition and prior to potting in root initiation tests, increased the sensitivity to growth inhibitors, and reduced the variation in control plants. Besponse to anxin increased slightly to small amounts and declined for larger amounts. 14761-66 EFFECT CE ENVIRONMENTAL CONDITIONS ON SCLEBOTIA AND CLEISTCTHECH FEATURENTER CONLITICNS ON SCL CLEISTCTHECH FECLORICO IN ASPERGILLUS. J N Bai J F Tewari A K Sinba Mycopathol Mycol Arri 31(3-4):209-224 BEF 28 Arr 1967 450 A954 28 Apr 1967 420 4354 Aspergillus, Culture media, Environment, Plant physiology. Abstract: Chservations on the effect of certain environ-mental conditions viz. FB, light, temperature of inchasticn, crygen-deficient conditions and various relative humidity values on sclerotia production by Aspergillns have teen presented. 14762-66 CONTRIBUTION TO THE ODESTICE OF DIBECT INFLUENCE OF ALPBA-NAFHTEALENFACETIC ACID ON INITIATION OF FRUIT BDDS ON APPLE TSEES. J Sahulka Eiol Flant 9(5):352-393 1967 450 E52 Affles, Nafhthaleneacetic acid, Plant regulators, Thinning (frnit). 14783-66 THE FEYSICLOGICAL BOLE OF BOLEN IN FLANTS. (BDS) H J Shkcl'rik Eot Zhur (Boscow) 52(2):259-275 BEF Peb 1967 451 8923 Boron, Flant physiology. 14784-68 PAFES CERCEATCESAFBIC ANALYSIS BY A NEW TEST METBOD OF EACTEBICIDAL SDESTANCES IN PLANT EXTEACTS AND POSSIBLE BELATIONS OF THESE SDESTANCES IC FLANT GROWTE INHIBITORS. (GE) B Soding K Dorffling Arch Mikrchiol 60(2): 182-200 BEE 1968 442.8 A526 Acer [sendoplatanns, Bactericides, Chromatography, Peas, Flant extracts, Flant growth inbibitcrs, Snnflowers. English and german abstracts Abstract: Chromatogram segments are inoculated with Abstract: Chromatogram segments are inoculated with microtes, kept in a moist chamber for 1 day and then placed on agar medium. Growth of hacteria is stopped or retarded in the presence of hactericides. If Serratia marcescens is used as test organism, a retardation or missing of pink coloration is observed too. Hther extracts from bnds of Acer psendoplatanns, shoots of peas and snnflewers were chromatographed in isopropanol/water/ammonia 80:15:5 and were tested by with Serratia marcescens, Psendomonas fluorescens and Aerolacter aerogenes. All contain hacteri-cidal shstances. Chromatograms contained substances inbib-iting growth of Avena and germination of Lepidium. Synthetic D,L-abscisin II showed no hactericidal activ-ity. Therefore, hactericidal substance in sycamore and pea ity. Therefore, bactericidal substance in sycamore and pea cannot be identical with the growth and germination inhib-itor at the same position.

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14785-68 GAS CHROMATOGRAPPIC DITEBMINATION OF DIETHYL FDMABATE IN MALATHION EXTRACTS AND PEEPARATIONS DSED FOR CONTBOL OF BODY LICE. J Econ Entomol 61(2):457-459 Apr 1968 421 J822 Chromatography, Diethyl fumarate, Electron capture, Malathion, Pedicnlus humanns humanns. Abstract 14786-68 POTENTIONETBIC DETERMINATION OF PROSPBINE. B Berck J Agr Food Chem 16 (3):415-418 1968 381 J8223 May Pumigants, Pesticide analysis, Phosphine, Potentiometry. 14787-68 SEPABATION OF AFLATORIN ON SELECTIVELY DEACTIVATED SILICIC ACID. E V Crisan E Mazzneca Boyce Thompson Inst Contrib 23(11):361-365 Jul 1967 451 869 Aflatoxin, Aspergillns flavus, Chrcmatography, Plant extracts, Silicic acid. Abstract: Activated silicAR, Mallinckrodt type CC-4, permitted recovery of 87 percent of the aflatoxin B1 contained in a crnde extract. Methods of pnrifying the remaining aflatoxin G are also described. 14788-68 4788-68 THE DETERMINATION OF FBOSPBOBDS DISTRIBUTION BY THIN LAYEE CBECHATOGEAPEY. (GE) B Petschik E Steger J Chromatography 31(2):369-374 EEP Dec 1967 475 J824 Chromatography, Organophosphorus componds. English and german atstracts. Abstract: The distribution of phosphorns on thin-layer chromatograps can be determined, although the recovery of phosphorus from undissolved layer material after minerali-sation of arganophosphorus componds is incorpilete. With sation of organophosphorus componds is incomplete. With test mixtures of aliphatic phosphorus thioesters distribu-tion values with a standard deviation of 1.2 percent (abs.) were found. Mineralisation was accomplished with a mixture of periodic and perchloric acid. Phosphorus was determined by the vanadate method. 14789-68 PEEPARATION OF THE PROTOISONERS OF ALDRIN AND DIELDRIN.

J D BOSEN W F CATEY J Agr Food Chem 16 (3):536-537 May 1968 381 J8223 Aldrin, Dieldrin, Isomers, Photochemistry.

.

80 ENGINEERING

14790-68 CABE AND MAINTENANCE OF THE CNE-GALLON STAINLESS STEEL SFEAYER. W L Brets Pest Contr 36(5):16,18,20 May 1566 449.6 EX8 Accident prevention, Insecticides, Maintenance, Fest control operators, Spraying equipment. 14791-68 A TEMPERATURE CONTROLLEO SRAKER POR MICBOFIAL CULTURES. E V Crisal Eoyce Thompson Inst Contrik 23(11):379-380 Jul 1967 451 E69 Culture media, Equipment, Fungi, Microbiology, Temperature. 14792-68 INFIDENCE OF NEAS-ULTRAVIOLET OUTFUT OF ATTRACTANT LAMES ON J F Bellirgsworth A W Hartstack O A Lindquist J Fechlirgsworth A W Hartstack O A Lindquist J Fech Futurel 61(2):515-521 Apr 1566 421 3822 Attractants, Relicthis zea, Insect collecting equipment, Light traps, TrichopInsia Di, Oltraviolet rays. Abstract 14793-68 A LIGHT-WEIGHT CAGE TO CONFINE SMALL INSECT PREOATOES WITH TREIE FFY CN THE RCST FLANT. E I Ecreburgh C Asguith J Econ Entcrol 61(2):572-573 Apr 1566 421 J822 Pood plants, Insect cages, Fredaceous insects. 14794-68 EQUIPTENT AND ECOIPTENT ANALYSIS FOR ARTEROFOD CONTROL. E A Fhiled Fla Anti-Ecsopito Ass Bep 38:64-67 07 May 1967 420 F663 Arthropeda, Egnipment, Insect centrol. 14795-68 DISTRIBUTION OF BELEASED JAFANESE REETLES IN A GRID OF IFAFS. F B Schwartz J ECCD EDTCROL 61(2):423-426 Apr 1968 421 J822 Insect dissemination, Insect traps, Fopillia japonica. Abstract

90 INDUSTRY Economics

14796-68
PESTICIDE CHENICALS, THE MAGIC OF NOODEN FARMING.
P C Brinkley
Nat Agr Chem Ass News Pesticide Rev 26(4):3-4
Apr 1968 421 AG8
Agricultural research, Pesticides.

14797-68
PHERE DO NF STAND NOR?.
L A Dovler
Aerial Appl 6(4):6-7
Apr 196B 333.8 AE8
Aerial spraying, Aircraft, Pest control operators, Festicide application, Prices.
14798-68
RESEARCH ON FESTS ANO THELE CONTBOL.
W C Shaw
Nat Agr Chem Ass News Pesticide Rev 26(4):5
Apr 196B 421 AG8
Pest control.

Education

14799-68 PESTICIDES RANDBCOK PUBLISEEO BY USDA. ADODYMODS Aerial Appl 5(5):8 May 1967 333.8 AE8 Bandbooks, Pesticide application, Pesticides, Safety education, Storage.



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