BULLETIN

OF

ENTOMOLOGICAL RESEARCH.

ISSUED BY THE COMMONWEALTH INSTITUTE OF ENTOMOLOGY

EDITOR: THE DIRECTOR

VOL. 47.

LONDON:

COMMONWEALTH INSTITUTE OF ENTOMOLOGY, 56, QUEEN'S GATE, S.W.7.

٨

Commonwealth Agricultural Bureaux.

Executive Council.

- C. E. LAMBERT, C.M.G., Chairman, Colonial Territories.
- T. SWAMINATHAN, I.C.S., Acting Vice-Chairman, India.
- W. C. TAME, United Kingdom.
- J. G. MALLOCH, M.B.E., Ph.D., Acting member, Canada.
- A. SHAVITSKY, Australia.
- V. ARMSTRONG, Ph.D., New Zealand.
- E. D. Andrews, Union of South Africa

Vacant, Pakistan.

- V. M. ABEYSEKERA, Acting member, Ceylon.
- J. E. C. COVENTRY, Federation of Rhodesia and Nyasaland.
- Sir Herbert Howard, Secretary, Farnham House, Farnham Royal, Nr. Slough, Bucks.

COMMONWEALTH INSTITUTE OF ENTOMOLOGY.

Director and Editor.

W. J. HALL, C.M.G., M.C., D.Sc.

Assistant Director.

E. O. Pearson, B.A.

Head Office—c/o British Museum (Natural History), Cromwell Road, London, S.W.7.

Publication Office and Library—56, Queen's Gate, London, S.W.7.

	PAGE
BACKHOUSE, T. C. & O'GOWER, A. K. An inexpensive, easily-constructed, Controlled Temperature and Humidity Room for maintaining Insect Colonies (illustrated)	69
BANKS, C. J. The Distributions of Coccinellid Egg Batches and Larvae in Relation to Numbers of Aphis fabae Scop. on Vicia faba	47
BERTRAM, D. S. & McGregor, I. A. Catches in the Gambia, West Africa, of Anopheles gambiae Giles and A. gambiae var. melas Theobald in Entrance Traps of a baited portable wooden Hut, with special Reference to the Effect of Wind Direction (illustrated)	669
BHAMBHANI, H. J. Responses of Pests to Fumigation. VI.—Water Losses and the Mortality of Calandra spp. at reduced Pressures	749
Bowden, J. New Species of African Stem-boring Agrotidae (Lepidoptera) (illustrated)	415
Box, H. E. New Species and Records of Diatraea Guilding and Zeadiatraea Box from Mexico, Central and South America (Lepid., Pyral.) (illustrated)	755
BRADLEY, J. D. A new Genus for <i>Tortrix postvittana</i> (Walker) and certain other Australian and New Zealand Species (Lepidoptera: Tortricidae) (illustrated)	101
BURNETT, G. F. & THOMPSON, B. W. Aircraft Applications of Insecticides in East Africa. X.—An Investigation of the Behaviour of coarse Aerosol Clouds in Woodland (illustrated)	495
CHEEMA, P. S. Studies on the Bionomics of the Case-bearing Clothes Moth, Tinea pellionella (L.) (illustrated)	167
CHRISTIE, M. & WEBBE, G. The Susceptibility of fourth-stage Larvae of Anopheles gambiae to DDT and Dieldrin (illustrated)	1
Colless, D. H. Observations on Anopheline Mosquitos of the Akah River, 4th Division, Sarawak (illustrated)	115
COLLYER, E. Notes on the Biology of some predacious Mites on Fruit Trees in south-eastern England (illustrated)	205

	PAGE
COOMBS, C. W. Stability of Grain as a Factor influencing the Oviposition Rate of the Grain Weevil, Calandra granaria (L.) (Col., Curculionidae).	737
CORNWELL, P. B. Some Aspects of Mealybug Behaviour in Relation to the Efficiency of Measures for the Control of Virus Diseases of Cacao in the Gold Coast (illustrated)	137
DE LOTTO, G. The Identity of Some East African Species of Saissetia (Homoptera, Coccidae) (illustrated)	239
DONCASTER, J. P. The Rice Root Aphid	741
Duerden, J. C., Hayward, L. A. W. & Somade, B. The Persistence and Toxicity of Insecticides under tropical Conditions. I.—The Persistence of γ BHC and its Toxicity to Tribolium castaneum (Hbst.) (illustrated)	797
Dunning, R. A. A diurnal Rhythm in the Emergence of <i>Pegomyia betae</i> (Curtis) from the Puparium (illustrated)	645
DUTT, N. Mandibular Length in Nupserha bicolor Thoms. ssp. postbrunnea Breun. (Col., Lamiidae) as the Factor in determining the Site of Oviposition in Corchorus olitorius (illustrated)	777
EADY, R. D. Two new Species of the Genus Paranastatus Masi (Hym., Eupelmidae) from Fiji (illustrated)	61
FAIRCLOUGH, R. Insecticidal Fogs against Tsetse Flies on Trains	193
FELDMAN-MUHSAM, B. Host Specificity of Rhipicephalus sanguineus (Latreille) and R. secundus Feldman-Muhsam in Israel	43
FLETCHER, D. S. Spodoptera mauritia (Boisduval) and S. triturata (Walker), two distinct Species (illustrated)	215
HANNA, A. D., JUDENKO, E. & HEATHERINGTON, W. The Control of Crematogaster Ants as a Means of controlling the Mealybugs transmitting the Swollen-shoot Virus Disease of Cacao in the Gold Coast (illustrated)	219
HAWKINS, W. B. & KEARNS, C. W. The Stability of a DDT Suspension (illustrated)	197
HINTON, H. E. The Larvae of the Species of Tineidae of Economic Importance (illustrated)	251
HOBART, J. Delayed Oviposition in the Sheep Blowfly, Lucilia sericata (Mg.)	469

	PAGE
HOCKING, K. S. & YEO, D. Aircraft Applications of Insecticides in East Africa. XI.—Applications of a coarse Aerosol to control Glossina morsitans Westw. at Urambo, Tanganyika, and G. morsitans Westw. and G. pallidipes Aust. in Lango County, Uganda (illustrated)	631
Hussey, N. W. A new Species of Megastigmus (Hym.: Chalcidoidea) from British Somaliland (illustrated)	57
IYENGAR, M. O. T. & MENON, M. A. U. The Mosquitos of south Thailand (illustrated)	785
JEPSON, W. F. The Biology and Control of the Sugar-cane Chafer Beetles in Tanganyika (illustrated)	377
JORDAN, A. M. A Note on the Parasitisation of the Oöthecae of Periplaneta americana (L.) by the Chalcid, Syntomosphyrum glossinae Wtstn. —a Correction	683
JOYCE, R. J. V. Large-scale Spraying of Cotton in the Gash Delta in eastern Sudan	399
KETTLE, D. S., NASH, R. H. & HOPKINS, B. A. Field Tests with Larvicides against <i>Culicoides impunctatus</i> Goetgh. in Scotland (illustrated)	553
Lewis, D. J. The Anopheline Mosquitos of the Sudan (illustrated)	475
Lewis, D. J. The Culex Mosquitos of the Sudan (illustrated)	703
Lewis, D. J. Some Mosquitos of the Sudan (illustrated)	723
MacLeod, J. & Donnelly, J. The geographical Distribution of Blowflies in Great Britain (illustrated)	597
MEGAHED, M. M. A Culture Method for Culicoides nubeculosus (Meigen) (Diptera: Ceratopogonidae) in the Laboratory, with Notes on the Biology	107
MELLANBY, K. Mosquito Populations at Ibadan in Nigeria (illustrated)	125
MILLER, N. C. E. & CHINA, W. E. A new Genus and Species of Miridae from Areca catechu in South India (Hemiptera Heteroptera) (illustrated)	429
MILNE, A. Biology and Ecology of the Garden Chafer, <i>Phyllopertha horticola</i> (L.). II.—The Cycle from Egg to Adult in the Field (<i>illustrated</i>)	23
MILNE, A. & LAUGHLIN, R. Biology and Ecology of the Garden Chafer, <i>Phyllopertha horticola</i> (L.). I.—The Adult and Egg Production (illustrated)	7

	PAGE
Peters, W. The Mosquitos of Liberia (Diptera: Culicidae), a general Survey (illustrated)	525
PHILLIPS, J. S. Immature Nutfall of Coconuts in the British Solomon Islands Protectorate (illustrated)	575
PHILLIPSON, J. A Study of Factors determining the Distribution of the Larvae of the Blackfly, Simulium ornatum Mg. (illustrated)	227
POLLARD, D. G. Halticinae of the Sudan (illustrated)	73
POLLARD, D. G. The Control of Chafer Grubs (Schizonycha sp., Coleoptera, Melolonthinae) in the Sudan (illustrated)	347
Puttarudriah, M. & Channa Basavanna, G. P. A Study on the Identity of <i>Bracon hebetor</i> Say and <i>Bracon brevicornis</i> Wesmael (Hymenoptera: Braconidae)	183
REID, J. A. & WHARTON, R. H. Trials of residual Insecticides in Window-trap Huts against Malayan Mosquitos (illustrated)	433
SALMOND, K. F. The Insect and Mite Fauna of a Scottish Flour Mill	621
SHEALS, J. G. Soil Population Studies. I.—The Effects of Cultivation and Treatment with Insecticides (illustrated)	803
SIMMONDS, F. J. Superparasitism by Spalangia drosophilae Ashm. (illustrated)	361
SIMMONDS, F. J. An Investigation of the Possibilities of Biological Control of Melittomma insulare Fairm. (Coleoptera, Lymexylonidae), a serious Pest of Coconut in the Seychelles (illustrated)	685
SMART, M. R. & BROWN, A. W. A. Studies on the Responses of the female Aëdes Mosquito. Part VII.—The Effect of Skin Temperature, Hue and Moisture on the Attractiveness of the Human Hand (illustrated)	89
SMITH, K. G. The Occurrence and Distribution of Aphomia gularis (Zell.) (Lep., Galleriidae), a Pest of Stored Products (illustrated)	655
Dates of Publication in Parts	
Part I pp. 1-192 29 March 1956	
Part II pp. 193–398 9 July 1956	
Part III pp. 399–630 4 October 1956	
Part IV pp. 631-822 6 December 1956	

ERRATA

Page 209, line 18, for "salix" read "Salix"

Page 252, lines 6 and 7 from end, for "fuschin" read "fuchsin"

Page 328, line 10, for "Tineola furcifurella" read "Tineola furciferella"

Page 395, line 11, for "and could safely" read "and could all safely"

Page 491, line 10, for "29" read "28"

Page 645, line 2 of title, for "Curtis" read "(Curtis)"

Page 723, line 7, for "CULICINAE" read "CULICIDAE"

Page 775, line 13 from end, for "Unitel" read "United"