

BULLETIN
OF
ENTOMOLOGICAL RESEARCH.

ISSUED BY THE COMMONWEALTH
INSTITUTE OF ENTOMOLOGY

EDITOR : THE DIRECTOR.

VOL. 38.

LONDON :
COMMONWEALTH INSTITUTE OF ENTOMOLOGY,
41, QUEEN'S GATE, S.W.7.
1948.

(191)

Commonwealth Agricultural Bureaux.

Executive Council.

Lieutenant-Colonel J. G. ROBERTSON, *Chairman*, Canada.
Sir PATRICK LAIRD, C.B., F.R.S.E., *Vice-Chairman*, United Kingdom.
N. E. HOLMES, Australia.
E. MARSDEN, C.M.G., C.B.E., M.C., D.Sc., F.R.S., New Zealand.
A. P. VAN DER POST, Union of South Africa.
J. W. DULANTY, C.B., C.B.E., High Commissioner, Eire.
R. S. MANI, Officiating Deputy High Commissioner, India.
M. AHMAD, PAKISTAN.
Colonel W. F. RENDELL, C.B.E., Newfoundland.
A. V. HUBBARD, Southern Rhodesia.
J. G. HIBBERT, M.C., Colonies, Protectorates and Mandated Territories.
Sir HERBERT HOWARD (*Secretary*), 2, Queen Anne's Gate Buildings,
London, S.W.1.

COMMONWEALTH INSTITUTE OF ENTOMOLOGY.

Director and Editor.

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

Assistant Director.

T. H. C. TAYLOR, D.Sc.

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

Publication Office and Library—41, Queen's Gate, London, S.W.7.

CONTENTS.

	PAGE
BARLOW, F. & HADAWAY, A. B. Preliminary Notes on the Loss of DDT and Gammexane by Absorption 335	335
BUSVINE, J. R. & BARNES, S. Observations on Mortality among Insects exposed to dry insecticidal Films 81	81
COLLENETTE, C. L. The Identity of <i>Phalaena chrysoorrhoea</i> , Linnaeus, 1758 259	259
COMPERE, H. A new Species of Encyrtidae parasitic in <i>Coccus hesperidum</i> , L. (<i>illustrated</i>) 281	281
COMPERE, H. A new Genus and Species, <i>Eurymyiocnema aphelinoides</i> (Hymenop- tera, Aphelinidae), and a History of the Genera <i>Euryischia</i> , Riley, and <i>Myiocnema</i> , Ashmead (<i>illustrated</i>) 381	381
COWLAND, J. W. The Cotton Jassid (<i>Empoasca libyca</i> , Berg.) in the Anglo-Egyptian Sudan, and Experiments on its Control (<i>illustrated</i>) 99	99
DRESDEN, D. & KRIJGSMAN, B. J. Experiments on the physiological Action of contact Insecticides 575	575
EDNEY, E. B. Laboratory Studies on the Bionomics of the Rat Fleas, <i>Xenopsylla</i> <i>brasiliensis</i> , Baker, and <i>X. cheopis</i> , Roths. II. (<i>illustrated</i>) 263	263
EDNEY, E. B. Laboratory Studies on the Bionomics of the Rat Fleas, <i>Xenopsylla</i> <i>brasiliensis</i> , Baker, and <i>X. cheopis</i> , Roths. III 389	389
GLASGOW, J. P. & DUFFY, B. J. The Extermination of <i>Glossina palpalis fuscipes</i> , Newstead, by Hand Catching (<i>illustrated</i>) 465	465
GOLDING, F. D. Further Notes on the Food-plants of Nigerian Insects, VI 75	75
HADAWAY, A. & BARLOW, F. Toxicity of DDT applied to Limewash 489	489

CONTENTS.

	PAGE
HOCKING, K. S.	
Assessment of Malaria Control by Mosquito Prevalence (<i>illustrated</i>)	131
HOCKING, K. S.	
The Use of Bamboo Pots to indicate <i>Aedes</i> Prevalence	327
JACUSIEL, F.	
Sandfly Control with DDT Residual Spray. Field Experiments in Palestine	479
JEPSON, W. F., MOUTIA, A. & COURTOIS, C.	
The Malaria Problem in Maurifius: the Bionomics of Mauritian Anophelines (<i>illustrated</i>)	177
JOHNSON, C. G. & WALTON, W. H.	
The Effect of Area Dosage, Solution Concentration and Drop Size of sprayed Solutions and Emulsions of DDT against Mosquito Larvae (<i>illustrated</i>)	405
JONES, B. M.	
An Experiment with DDT against Pests of stored Products (<i>illustrated</i>)	347
JONES, B. M.	
Preliminary Tests of DDT Emulsion Concentrates (<i>illustrated</i>) ...	585
KLEIN, H. Z.	
Notes on the Green Leafhopper, <i>Empoasca lybica</i> , Berg. (Hom. Jassid.) in Palestine	579
LÉVER, R. J. A. W.	
Insect Pests of some economic Crops in Fiji. No. 2	137
MACINNES, D. G.	
On the Effect of DDT-treated Surfaces on Adults of <i>Anopheles gambiae</i> and <i>A. funestus</i> (<i>illustrated</i>)	123
MACLEOD, J.	
The Climatology of Blowfly Myiasis—I. Weather and Oviposition (<i>illustrated</i>)	285
MANI, M. S.	
Some new and imperfectly known Gall Midges (Itonididae: Diptera) from India (<i>illustrated</i>)	439
MILES, M.	
Field Observations on the Bean Seed Fly (Seed Corn Maggot), <i>Chortophila cilicrura</i> , Rond., and <i>C. trichodactyla</i> , Rond. (<i>illustrated</i>)	559

CONTENTS.

	PAGE
MONRO, H. K. The Status of <i>Dacus armatus</i> Fabricius and of <i>Dacus bivittatus</i> (Bigot) (Trypetidae, Diptera) (<i>illustrated</i>)	613
NASH, T. A. M. A Record of <i>Syntomosphyrum glossinae</i> from Nigeria	525
PARKIN, E. A. & GREEN, A. A. DDT residual Films—I. The Persistence and Toxicity of Deposits from Kerosene Solutions on Wall-board (<i>illustrated</i>)	311
RAINEY, R. C. Notes on the Tachinid Parasites of Cotton Stainers (<i>Dysdercus</i> spp., Pyrrhocoridae) in South Africa	305
ROGERSON, J. P. The Oat Bird-Cherry Aphis, <i>Rhopalosiphum padi</i> , L., and Comparison with <i>R. crataegellum</i> , Theo. (Hemiptera, Aphididae) (<i>illustrated</i>)	157
SIMMONDS, F. J. The Biology of the Parasites of <i>Loxostege sticticalis</i> , L., in North America— <i>Bracon vulgaris</i> (Cress.) (Braconidae, Agathinae) (<i>illustrated</i>)	145
SIMMONDS, F. J. The Biology of the Parasites of <i>Loxostege sticticalis</i> , L., in North America— <i>Meteorus loxostegei</i> , Vier. (Braconidae Meteorinae) (<i>illustrated</i>)	373
STAMMERS, F. M. G. & WHITFIELD, F. G. S. The Toxicity of DDT to Man and Animals	1
STRICKLAND, A. H. Coccids attacking Cacao (<i>Theobroma cacao</i> , L.), in West Africa, with Descriptions of five new Species (<i>illustrated</i>)	497
SYMES, C. B., HADAWAY, A. B., BARLOW, F. & GALLEY, W. Field Experiments with DDT and Benzene Hexachloride against Tsetse (<i>Glossina palpalis</i>) (<i>illustrated</i>)	591
TAYLOR, T. H. C. Some East African Species of <i>Lygus</i> , with Notes on their Host Plants (<i>illustrated</i>)	233
THEODOR, O. On some Sandflies (<i>Phlebotomus</i>) of the <i>sergenti</i> Group in Palestine (<i>illustrated</i>)	91
THOMSON, R. C. MUIRHEAD. The Effects of House Spraying with Pyrethrum and with DDT on <i>Anopheles gambiae</i> and <i>A. melas</i> in West Africa	449

	PAGE
THOMSON, R. C. MUIRHEAD.	
Studies on <i>Anopheles gambiae</i> and <i>A. melas</i> in and around Lagos <i>(illustrated)</i>	527
TRÄGÅRDH, I.	
Final Survey of the wood-destroying Insects in public Buildings in Sweden <i>(illustrated)</i>	117
VANDERPLANK, F. L.	
Some Observations on the Hunger-cycle of the Tsetse-flies <i>Glossina</i> <i>swynnertoni</i> and <i>G. pallidipes</i> (Diptera) in the Field <i>(illustrated)</i>	431
WEBB, J. E.	
A spraying Apparatus and testing Chamber for investigating the residual Action of insecticidal Deposits <i>(illustrated)</i>	209
WHITNALL, A. B. M. & BRADFORD, B.	
An arsenic-resistant Tick and its Control with Gammexane Dips <i>(illustrated)</i>	353



ERRATA.

- Page 11, Heading of col. 1, for " Case No." read " Type of Locality "
- Page 76, col. 1, line 29, for " *Gonombombyx* " read " *Gonobombyx* "
- Page 79, col. 1, 5 lines from end, for " *rubricinctus* " read " *rubrocinctus* "
- Page 110, Table VII, col. 4 under Turabi, for " +·12, +·10 and +·10 " read
" 12, 10 and 10 "
- Page 507, last line, for " *africanum* " read " *africana* "
- Page 508, line 1, for " (*Nematocera*) " read " (*Nematocrema*) "
- Page 515, 18 lines from end for " about 20 in *greeni* " read " about 20 pairs in
greeni "
- Page 520, 8 lines from end, for " *Paleococcus* " read " *Palaeococcus* "
- Page 525, line 10, for " Bull. ent. Res., **27** " read " Bull. ent. Res. **17** "
- Page 619, line 21, for " Bagun " read " Gabun "

DATES OF PUBLICATION IN PARTS.

Part I	pp. 1-208	...	19 May 1947
Part II	pp. 209-379	...	21 August 1947
Part III	pp. 381-525	...	9 December 1947
Part IV	pp. 527-622	...	17 February 1948