

Recent Entomology Books from CAB INTERNATIONAL

Aphids on the World's Trees: An Identification and Information Guide

R L Blackman and V F Eastop, *Department of Entomology, The Natural History Museum, London, UK*

This book provides a comprehensive, species-by-species account of 1758 aphid species, feeding on trees in 355 genera. It can be used both as an identification guide by entomologists and taxonomists, and as a database in studies of biosystematics and biodiversity.

July 1994 1024 pages Hardback
ISBN 0 85198 877 6
Price: £99.50 (US\$165.00 Americas only)

Index of Economically Important Lepidoptera

Compiled by Bin-Cheng Zhang, *Department of Crop Protection, CAB INTERNATIONAL*

This book has been derived from the Arthropod Name Index (ANI) database of CAB INTERNATIONAL. In its current form the ANI database provides a checklist of about 95,000 names and synonyms, plus details of the position of each species within the hierarchy of arthropod classification. To generate this volume, information for the major Lepidoptera on common names, geographical distribution, host range and status of the recorded pest or beneficial species, has been added.

April 1994 600 pages Hardback
ISBN 0 85198 903 9
Price: £49.95 (US\$85.00 Americas only)

Insect Pests and Fresh Horticultural Products: Treatments and Responses

Edited by R E Paull, *University of Hawaii*, and J W Armstrong, *USDA Tropical Fruit and Vegetable Research Laboratory, Hawaii, USA*

Postharvest treatments are required to disinfest fruits, vegetables, nuts, flowers and ornamental plants of quarantined insects prior to export. These insect pests, such as various tephritid fruit flies, are of quarantine importance because either they are absent from the importing country or that country has a zero tolerance for all live insects. This book considers the various treatment technologies and strategies and the effect that these have on the insects and the produce.

May 1994 368 pages Hardback
ISBN 0 85198 872 5
Price: £49.95 (US\$85.00 Americas only)

Oriental Mealybug Parasitoids of the Anagyrini (Hymenoptera: Encyrtidae)

John S Noyes, *Department of Entomology, The Natural History Museum, London, UK* and M Hayat, *Department of Zoology, Aligarh Muslim University, India*

The 20 genera belonging to the Anagyrini known to occur in the Oriental region are defined by means of a dichotomous key and brief diagnoses. Biology and use in biocontrol are summarized for every genus and identification keys to the known Oriental species are provided. All species are defined by means of illustrations and brief diagnoses or full morphological descriptions, with 65 species being described as new. The distribution and host range for every species is also provided, together with an annotated citation list. Two appendices summarize the worldwide use of Encyrtidae in biological control and the species recorded as parasitoids of mealybugs.

July 1994 550 pages Hardback
ISBN 0 85198 895 4
Price: approx. £65.00

Insect Pests of Cotton

Edited by G Matthews, *Imperial College at Silwood Park, Ascot, UK*, and J Tunstall

This major work provides a comprehensive review of the biology and pest status of insects known to infect cotton throughout the world.

June 1994 592 pages 44 Colour plates Hardback
ISBN 0 85198 724 9
Price: £75.00 (US\$125.00 Americas only)

The Scale Insect Family Coccidae: An Identification Manual to Genera

C J Hodgson, *Department of Biological Sciences, Wye College, University of London, UK*

The soft-scales (Coccidae) are one of about 20 families of the scale insect superfamily Coccoidea. The females are all sap-sucking and all 1100 known species are potential pests in agriculture, horticulture or forestry. This book discusses all known genera and redescribes and illustrates the adult females of the type species of about 160 soft scale genera.

May 1994 645 pages Hardback
ISBN 0 85198 882 2
Price: £75.00 (US\$125.00 Americas only)

For further information or to order please contact CAB INTERNATIONAL headquarters or an exclusive CAB INTERNATIONAL distributor in your area.

Please add £2.00 per book postage and packing (excluding UK)

Headquarters

CAB INTERNATIONAL
Wallingford
Oxon OX10 8DE,
UK
Tel: (0491) 832111
Fax: (0491) 833508

North America

University of Arizona Press
1230 North Park Avenue, Suite 102
Tucson, Arizona 85719-4140
USA
Tel: (602) 882 3065
Fax: (602) 621 8899

Singapore and Malaysia

Publishers Marketing Services
10-C Jalan Ampas #07-01
Ho Seng Lee Flatted Warehouse
Singapore 1232
Tel: (65) 256 5166
Fax: (65) 253 0008

Australasia

DA Books
648 Whitehorse Road
Mitcham 3132, Victoria
Australia
Tel: (3) 873 4411
Fax: (3) 873 5679

TRAVEL THE WORLD OF INFORMATION WITH CABPESTCD

- over 20 years of information
- over 500,000 references
- worldwide coverage
- subject-specific data

All so easily accessible at the touch of a button for anyone interested in all aspects of crop protection and pest management.

CABPESTCD, one of the CAB SPECTRUM series of CD-ROM products from CAB INTERNATIONAL, has been produced in cooperation with the UK Overseas Development Administration, and in particular its Natural Resources Institute. All that is required to access this remarkable archive of research information will be a personal computer with CD-ROM drive attached.

Information on CABPESTCD is more than just that appearing in the relevant printed Abstract Journals. Records on the CD-ROM have been selected from all areas of the CAB ABSTRACTS database to ensure comprehensiveness. Some of these records never appear in print, but are included on the electronic products for completeness.

For further details or to request a 30-day FREE TRIAL please contact the Marketing Executive for CD-ROM, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

JUN-94

NOTES FOR AUTHORS

The *Bulletin of Entomological Research* publishes original research papers concerning insects, mites, ticks or other arthropods of economic importance in agriculture, forestry, stored products, biological control, medicine, animal health and natural resource management. The geographical scope of the *Bulletin* is worldwide but with emphasis on the tropics. Taxonomic papers are accepted if relevant. Short review papers, although normally by invitation, will also be considered for publication.

Page Format. The *Bulletin* is printed in a two-column format (column width of 80 mm) with a text area of 170×225 mm.

Text. Papers should be typed, on one side of the paper only, with double line spacing and ample margins (at least 1.5 cm) on each side and with no underlining or bold in text except for scientific names. Draft quality print from a word-processor is not acceptable. Standard abbreviations (e.g. fig. and figs) and metric units must be used. Guidelines for taxonomic papers are available.

When the paper has been accepted word-processed text stored on floppy disk is encouraged, providing the software is IBM/DOS compatible, but floppy discs must be accompanied by a hard copy. This will enable papers to be handled rapidly, and with fewer type-setting errors.

Abstract. Each paper must commence with a carefully prepared, accurate, informative abstract, in one paragraph, that is complete in itself and intelligible without reference to text or figures. It should not exceed 250 words. A short title should be provided as a running head.

Tables. Tables should be reduced to the simplest form, and should not be used where text or illustrations give the same information. They should be submitted on separate sheets at the end of the article and must fit conveniently into single column, full width or landscape (if absolutely necessary) format. Table captions should be typed on a separate sheet.

Illustrations. Copies only of artwork should be submitted. The original illustrations should accompany the paper after acceptance and revision. Text figures, line drawings, computer-generated figures and graphs should be of sufficient size and quality to allow for reduction by half or two-thirds. Half-tone photographs are acceptable where they are a real contribution to the text. Figure and captions should be typed on a separate sheet

in the following format:

Figs 23–26. Figs 23–24, Urophora eggs: 23, U. hispanica; 24, U. stigma. Figs 25–26, spermathecae: 25, U. maura; 26, U. stigma; scale lines=0.05 mm.

Voucher specimens. The deposition of voucher specimens should be considered where appropriate.

References. References must be based on the name and year system, give full journal titles and conform to the following styles:

Powell, W. (1986) Enhancing parasitoid activity in crops. pp. 319–340 in Waage, J. & Greathead, D. (Eds) *Insect parasitoids*. London, Academic Press (Symposium, Royal Entomological Society of London No. 13).

Southwood, T.R.E. (1978) *Ecological methods with particular reference to the study of insect populations*. 2nd edn. 524 pp. London, Chapman & Hall.

Zhou, X., Carter, N. & Mumford, J. (1989) A simulation model describing the population dynamics and damage potential of the rose grain aphid, Metopolophium dirhodum (Walker) (Hemiptera: Aphididae), in the UK. *Bulletin of Entomological Research* **79**, 373–380.

Citation of authors in the text should appear in the form: Polaszek (1990) or (Polaszek, 1990). More than one author should be cited in chronological order as: (Holloway et al., 1987; Walker & Huddleston, 1988).

Offprints. 50 copies of each paper are provided free to the author (or major author) of each paper. Further copies may be obtained on payment, and the number required should be specified and ordered at proof stage.

Manuscripts. Three copies of the manuscript and artwork should be submitted to:

The Editor
Bulletin of Entomological Research
International Institute of Entomology
56, Queen's Gate
London
SW7 5JR, UK.

Bulletin of Entomological Research

Austin, A. D., Quicke, D. L. J. & Marsh, P. M. The hymenopterous parasitoids of eucalypt longicorn beetles, <i>Phoracantha</i> spp. (Coleoptera: Cerambycidae) in Australia.....	145
Brun, L. O., Marcillaud, C., Gaudichon, V. & Suckling, D. M. Cross resistance between insecticides in coffee berry borer, <i>Hypothenemus hampei</i> (Coleoptera: Scolytidae) from New Caledonia.....	175
Byrne, F. J., Cahill, M., Denholm, I. & Devonshire, A. L. A biochemical and toxicological study of the role of insensitive acetylcholinesterase in organophosphorus resistant <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae) from Israel.....	179
Coupland, J. B. & Baker, G. Host distribution, larviposition behaviour and generation time of <i>Sarcophaga penicillata</i> (Diptera: Sarcophagidae), a parasitoid of conical snails.....	185
Delvare, G. & Rasplus, J.-Y. <i>Spodophagus</i> , a new genus of Pteromalidae (Hymenoptera), for an important parasite of <i>Spodoptera littoralis</i> (Lepidoptera: Noctuidae) in Madagascar.....	191
Doury, G. & Rojas-Rousse, D. Reproductive potential in the parasitoid <i>Eupelmus orientalis</i> (Hymenoptera: Eupelmidae).....	199
Eiras, A. E. & Jepson, P. C. Responses of female <i>Aedes aegypti</i> (Diptera: Culicidae) to host odours and convection currents using an olfactometer bioassay.....	207
El Agoze, M., Drezen, J. M., Renault, S. & Periquet, G. Analysis of the reproductive potential of diploid males in the wasp <i>Diadromus pulchellus</i> (Hymenoptera: Ichneumonidae).....	213
Gaum, Wilma G., Giliomee, J. H. & Pringle, K. L. Life history and life tables of western flower thrips, <i>Frankliniella occidentalis</i> (Thysanoptera: Thripidae), on English cucumbers.....	219
Gebre-Michael, T., Lane, R. P., Phillips, A., Milligan, P., Molyneux, D. H. Contrast in the cuticular hydrocarbons of sympatric <i>Phlebotomus</i> (<i>Symphlebotomus</i>) females (Diptera: Phlebotominae).....	225
Janssen, J. A. M. Impact of the mineral composition and water content of excised maize leaf sections on fitness of the African armyworm, <i>Spodoptera exempta</i> (Lepidoptera: Noctuidae).....	233
Johal, K. & Disney, R. H. L. Phoridae (Diptera) as pests of cultivated oyster mushrooms (Agaricales: Pleurotaceae) in India.....	247
Lutwama, J. J. & Mukwaya, L. G. Studies on some of the physical and biological factors affecting the abundance of the <i>Aedes simpsoni</i> (Diptera: Culicidae) complex larvae and pupae in plant axils.....	255
Mansour, F., Shain, Z., Karchi, Z. and Gerson, U. Resistance of selected melon lines to the carmine spider mite <i>Tetranychus cinnabarinus</i> (Acari: Tetranychidae)—field and laboratory experiments.....	265
Pavliček, T. Geographic variability and wing plasticity in <i>Sitona sulcifrons</i> (Coleoptera: Curculionidae).....	269
Tucker, M. R. Inter- and intra-seasonal variation in outbreak distribution of the armyworm, <i>Spodoptera exempta</i> (Lepidoptera: Noctuidae), in eastern Africa.....	275
Book Reviews.....	289