

# IOBC Newsletter 35

ORGANISATION INTERNATIONALE DE LUTTE BIOLOGIQUE CONTRE LES ANIMAUX  
ET LES PLANTES NUISIBLES (OILB)

AUGUST 1985

IOBC/OILB is affiliated to the International Council of Scientific Unions (ICSU)  
as the Section of Biological Control of the International Union of Biological Sciences (IUBS)

## EDITORIAL

The present NEWSLETTER number 35 is the third leaflet of that new format to be prepared under the responsibility of the Executive Committee elected in August 1984. It is our intention to continue with that publication at the rate of one issue every four months on average, i. e. in April, August, and December.

Apart from the NEWSLETTERS, several changes have been initiated over the last few months. The relationships between the global body of IOBC and each regional section are being reviewed in an attempt to clarify their implications for each individual or institutional member. Also, the terms and conditions of a new contract are being negotiated with the publisher of ENTOMOPHAGA in order to enhance the scientific impact of this journal. Simultaneously, the Editorial Board of ENTOMOPHAGA will be drastically reviewed, as well as the procedure for refereeing manuscripts. A detailed report of the results obtained so far will be given in the December issue of the IOBC NEWSLETTER (no. 36).

Numerous subscriptions have been received, but unfortunately, the origin of several remittances could not be traced back. Who arranged for the following payments to be made directly on the Swiss account of IOBC without any notice to the Secretariat :

- US \$ 10 through Austr. + N.Z. Bk, New York via Morgan Guarantee ?
- Sw. Fr. 65 through Barclays Bk Ltd. ?

The Secretary-General

## EXECUTIVE COMMITTEE OF THE GLOBAL IOBC

President : V. Delucchi, Institut für Phyto-  
medizin, Clausiusstr. 21, ETH-Zentrum,  
8092 Zurich (Switzerland)

Vice-Presidents : J.R. Coulson, Benef. Ins. Introd.  
Lab., ARS, USDA BARC, East Building 417,  
Beltsville Maryland 20705 (USA)  
V.A. Lebedev, Ministry of Agric., Main Plant  
Prot. Dept., Orlikov Pereulok 1/11, Moscow  
107139 (USSR)

Secretary-General : J.P. Aeschlimann, CSIRO  
Biol. Control Unit, 335 avenue P. Parguel,  
34100 Montpellier (France)

Treasurer : K. Carl, CIBC European Station,  
1 chemin des Grillons, 2800 Delémont  
(Switzerland)

Past-President : K. Hagen, Div. Biol. Control,  
Univ. of California, 1050 San Pablo Ave,  
Albany California 94706 (USA).

## NEWS FROM WORKING GROUPS

### WG OSTRINIA NUBILALIS

Chairman : P. Anglade, Station de Zool. Agric.  
La Grande Ferrade, 33140 Pont-de-la-Maye  
(France)

IWGO Newsletter 6/1, 25 pages, was issued in  
May 1985. It comprises 10 short articles and  
progress reports, mainly from Europe. Addi-  
tional copies may be obtained from the publisher  
H. K. Berger, Fed. Institute for Plant Prot.,  
Trunnerstr. 5, 1021 Wien (Austria).

The 14th meeting of this WG will be organized  
in China. For more details, see under announce-  
ments.

### WG BRUCHIDS

Chairman : V. Labeyrie, IBEAS, Parc Beaumont,  
64000 Pau (France).

### WG HELIOTHIS

Chairman : E.G. King, USDA ARS, Insect  
Management Lab., P.O. Box 225, Stoneville  
MS 38776 (USA)

A workshop will take place in New Delhi (India)  
from November 11 to 15, 1985. Interested scien-

tits should contact the chairman of this WG as soon as possible.

#### WG QUALITY CONTROL OF MASS-REARED ARTHROPODS

Chairman : C.O. Calkins, USDA, Insect Attract. Behaviour and Basic Biol. Res. Lab., P.O. Box 14565, Gainesville FL 32604 (USA)

Assistant convenor : F. Bigler, Federal Res. Station FAP, Reckenholzstr. 191/211, 8046 Zurich (Switzerland).

#### WG TRICHOGRAMMA

Co-chairmen : S.A. Hassan, Institut für Schädlingbek., Heinrichstr. 243, 6100 Darmstadt (FRG).

J.C. van Lenteren, Agric. univ., Dept. Entomol., Binnenhaven 7, P.O. Box 8031, 6700 EH Wageningen (Netherlands)

J. Voegelé, Station de Zool., INRA, 37 boul. du Cap, B.P. 78, 06602 Antibes (France)

The 2nd International Symposium on Trichogramma is also to take place in China towards the end of 1986, as indicated below.

#### NEWS FROM REGIONAL SECTIONS

##### WEST PALAEARCTIC REGIONAL SECTION (WPRS/SROP)

Secretary-General : J.P. Bassino, ACTA, 149 rue de Bercy 75595 Paris Cedex 12 (France)

The 5th General Assembly of this regional section will be organized in Stuttgart (FRG), October 6-10, 1985. Various meetings, plenary lectures and scientific reports are scheduled, as well as an Extraordinary General Assembly. More information may be obtained from G. Neuffer, Landesanst. für Pflanzensch., Reinburgstr. 107, 7000 Stuttgart 1 (FRG).

PROFILE no. 3, the information carrier of WPRS was issued in March 1985. For additional copies ask the editor E.F. Boller, Federal Res. Station 3820 Wädenswil (Switzerland).

SING no. 7, 21 pages a newsletter on the biological control in greenhouses has appeared recently. The editor J.C. van Lenteren may be contacted at the address above.

Bulletin SROP/WPRS Bulletin 1984/VII/4 (Working Group «Breeding for Resistance to Insects and Mites», Capbreton (France), 1983, 82 pp.) is available from O.M.B. de Ponti, Inst. Veredl. Tuinbouw., P.O. Box 16, 6700 AA Wageningen (Netherlands).

Bulletin SROP/WPRS Bulletin 1985/VIII/1 (Working Group Integrated Control in Protected Crops, Catania (Italy), 1984, 75 pp.) is available from C. Pelereys, Faculté Sciences agron., Coupure Links 533, 9000 Gand (Belgium).

##### EAST PALAEARCTIC REGIONAL SECTION (EPRS)

Secretary-General : V.I. Martinenko, Plant Protection Depart., v/o Ministr. of Agric., Orlikov Pereulok 1/11, Moscow 107139 (USSR).

##### SOUTH AND EAST ASIAN REGIONAL SECTION (SEARS)

Secretary-Treasurer : Wiwat Suasa-ard, National Biol. Control Res. Center, Kasetsart University, P.O. Box 9-52, Bangkok, Bangkok 10900 (Thailand).

##### NEARCTIC REGIONAL SECTION (NRS)

Secretary-Treasurer : F.E. Gilstrap, Dept. Entomol., Texas A & M University, College Station, TX 77843 (USA).

##### LATIN AMERICAN REGIONAL SECTION (LARS)

Secretary-General : R. Gonzalez, Fac. Ciencias Agrarias, Univers. de Chile, Casilla 1004, Santiago (Chile).

#### ANNOUNCEMENTS

ENTOMOPHAGA 30, 1985 (by courtesy of the editor C. Bénassy, Lab. E. Biliotti, INRA route de Biot, 06560 Valbonne, France).

Volume 30 (2) :

Summy, K.R., Gilstrap, F.E. & Hart, W.G. — *Aleurocanthus woglumi* (Hom. : Aleyrodidae) and *Encarsia opulenta* (Hym. : Encyrtidae) : density-dependent relationship between adult parasite aggregation and mortality of the host.

Fournier, D., Pralavorio, M. & Pourrière, O. — Etude du phytosécide *Cydnodromus chilensis* en vue de son utilisation contre *Tetrastichus urticae* en culture protégée de fraiser.

Zelazny, B. — Susceptibility of two coconut pests *Oryctes rhinoceros* (Col. : Scarabaeidae) and *Tirathaba rufivena* (Lep. : Pyralidae) to the entomoparasitic nematode *Steinernema feltiae* (*Neaplectana carpocapsae*).

Hoffmann, R.W. & Kennett, C.E. — Effects of winter temperatures on the sex-ratios of *Aphytis melinus* (Hym. : Aphelinidae) in the San Joaquin Valley of California.

Prinsloo, G.L. — On the Southern African species of *Diversinervus* (Hym. : Encyrtidae).

Hung, A.C.F. & Huo, S. — Malic enzyme, phosphoglucosmutase and phosphoglucose isomerase isozymes in *Trichogramma* (Hym. : Trichogrammatidae).

Carruthers, R.I., Whitfield, G.H. & Haynes D.L. — Pesticide-induced mortality of natural enemies of the onion maggot, *Delia antiqua* (Dip. : Anthomyiidae).

Gerling, D. — Parasitoids attacking *Bemisia tabaci* (Hom. : Aleyrodidae) in Eastern Africa.

Ali, M.I., Young, S.Y. & Yearian, W.C. — Transmission of nuclear polyhedrosis virus in *Heliothis zea* (Boddie) (Lep. : Noctuidae) larval populations on soybean.

Kallon, A. & de Barjac, A. — Screening of the insecticidal activity of *Bacillus thuringiensis*

strains against the Egyptian cotton leaf worm *Spodoptera littoralis*.

Wajnberg, E., Prevost, G. & Bouletreau, M. — Genetic and epigenetic variation in *Drosophila* suitability to a hymenopterous endoparasitoid.

Carver, M. & Woolcock, L.T. — Interactions between *Acyrtosiphon kondoi* Shinji (*Hom. : Aphidoidea*) and *Aphelinus asychis* Walker (*Hym. : Chalcidoidea*) and other parasites and hosts.

Odindo, M.O. & Hominick, W.M. — *Hexameris glossinae* (*Nematoda : Mermithidae*) parasitizing tsetse (*Dip. : Glossinidae*) in Kenya.

Volume 30 (3) :

Godfray, H.C.J. — Mass rearing the tachinid fly *Argyrophylax basifulva* (Bezzi), a parasitoid of the greater coconut spike moth (*Tirathaba* spp.) (*Lep. : Pyralidae*).

Ridsdill-Smith, T.J. & Kirk, A.A. — Selecting dung beetles (*Scarabaeinae*) from Spain for bushfly control in South-Western Australia.

Vargas, P. & Cabello, T. — A new species of *Trichogramma* (*T. cordubensis* n. sp.) (*Hym. : Trichogrammatidae*) parasitoid of *Heliothis* eggs in cotton crops in the S.W. of Spain.

Hegazi, E.M. & Führer, E. — Instars of *Microplitis rufiventris* (*Hym. : Braconidae*) and their relative developmental speed under different photoperiods.

Sengonca, C. & Frings, B. — Interference and competitive behaviour of the aphid predators *Chrysoperla carnea* and *Coccinella septempunctata* in the laboratory.

Honek, A. — Habitat preference of aphidophagous coccinellids (*Coleoptera*).

El-Banhawy, E.M. & Abou-Awad, B.A. — Effect of synthetic pyrethroids and other compounds on the susceptibility and development of the egg stage of the predacious mite *Amblyseius gossypii* (*Mesostigmata : Phytoseiidae*).

French-Constant, R.H. & Vickerman, G.P. — Soil contact toxicity of insecticides to the European earwig *Forficula auricularia* (*Dermaptera*).

Forno, L.W. & Bourne, A.S. — Feeding by adult *Cyrtobagous salviniae* on *Salvinia molesta* under different regimes of temperature and nitrogen content and the effects on plant growth.

Quimby, P.C. & Frick, K.E. — Evaluation of herbicide coated larvae of *Bactra verutana* (*Lep. : Tortricidae*) to control nutsedges (*Cyperus rotundus* L. and *C. esculentus* L.).

Krueger, S.R. & Ramoska, W.A. — Purification and infectivity of *Eumomophthora grylli* (Fresenius) Batko pathotype 2 against *Melanoplus differentialis* (Thomas) (*Orth. : Locustidae*).

Papierok, B. — Données écologiques et expérimentales sur les potentialités de l'entomophthorale *Conidiobolus coronatus* (Constantin) Batko.

## NEW BOOKS

Manual of Pest Control. Volume III. Schädlinge und Krankheiten im Ackerbau (Pests and Diseases in Agriculture). K. Heinze (ed.), 4. Aufl., 916 pp. (Price DM 350).

do. Volume IV. Vorrats- und Materialschädlinge (Pests of Stored Products and Materials). 1983. K. Heinze (ed.), 4. Aufl., 348 pp. (Price DM 170). To order from Wiss. Verlagsges., Postfach 40 7000 Stuttgart 1 (FRG).

Humme, H.E. & Miller, T.A. (ed.). Techniques in Pheromone Research. 1984. Springer Series in Experimental Entomology. Springer Verl., Berlin, 464 pp. (Price DM 178).

Brown, R.H. (ed.). Special Issue Nematodes. 1985. Agriculture, Ecosystems and Environment, 12 (4), Elsevier publ., Amsterdam, pp. 269-401.

Holm, E. & Scholtz, C.H. (ed.). Insects of Southern Africa. 1985. Butterworth, Durban, 564 pp. (Price R 80, 34 or R 186, 80).

Zadoks, J.C. & Rijdsdijk, F.H. Agro-ecological Atlas of Cereal Growing in Europe. Volume III. Atlas of Cereal Diseases and Pests in Europe. 1984. Pudoc, Wageningen. (Price Fl. 120).

Hoffmann, K.H. (ed.). Environmental Physiology and Biochemistry of Insects. 1985. Springer Verl., Berlin, 296 pp. (Price DM 98).

Williams, R.D. (ed.) Crop Protection Handbook — Grass and Clover Swards. 1984. Brit. Crop Prot. Council, Croydon, 105 pp. (Price £ 15 in UK, £ 19 overseas).

## FORTHCOMING MEETINGS

December 10-12, 1985. Regional Conference on Plant Quarantine Support for Agricultural Development, Kuala Lumpur. Information from K.G. Singh, PLANTI UPM Post Bag 209, Serdang, Selangor (Malaysia).

March 17-20, 1986. Second International Conference on Plant Protection in the Tropics, Kuala Lumpur. More information from the Organizing Committee, Dept. Plant. Prot., Univ. Pertanian Malaysia, Serdang, Selangor (Malaysia).

August 17-24, 1986. First International Congress of Dipterology, Budapest. More information from L. PAPP, Secretary, Zool. Dept., Hungarian Natural History Museum, Baross u. 13, Budapest 1088 (Hungary).

August 25-29, 1986. Third European Congress of Entomology, Amsterdam. For more information ask the Secretary, Congress Office, Vrije Univ., Postbus 7161, 1007 Amsterdam (Netherlands).

September 8-17, 1986. Fourteenth Meeting of the International Working Group on Ostrinia, Beijing. More information from Darong Zhou, Inst. Plant. Prot., Chinese Academy of Agric. Sciences, Beijing (P. R. of China).

November 10-15, 1986. Second International Symposium on Trichogramma, Guangzhou. Address all correspondence to Li Li-ying, Guangdong Entomol. Institute, Xigang West Road 105, Guangzhou (P. R. of China).

#### **FILIPPO SILVESTRI COMPETITION**

The Institute of Agricultural Entomology, Faculty of Agriculture, Portici (Italy) has announced the establishment of a Filippo Silvestri Foundation. The main purpose of the Foundation is to promote studies in agricultural entomology with especial consideration for the biological control of insect pests. On the occasion of the 30th anniversary of F. Silvestri's death, a competition is open for three prizes on biological control programmes. Applications should be directed to the Presidenza, Fondazione Filippo Silvestri,

Montpellier, August 1, 1985.

Istituto di Entomologia Agraria, via Università 100, 80055 Portici, NA (Italy). Applications are to be sent before December 31, 1985 and should include 6 copies of the paper or set of papers relating to the project, published between July 1, 1983 and June 30, 1985.

#### **VACANT POSITION**

The International Rice Research Institute announces a vacant position for a well trained ENTOMOLOGIST in Los Banos (Philippines). Duties include insect rearing, research on various aspects of rice screening for resistance to insects, and study of insect resistance. Application to M.S. Swaminathan, Director IRRI, P.O. Box 933, Manila (Philippines) before September 30, 1985.

Editor of this issue : Jean-Paul Aeschlimann