

# IOBC Newsletter 49

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

APRIL 1990

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)

## BRIGHT FUTURE FOR BIOLOGICAL CONTROL ?

Like all other disciplines, biological control undoubtedly has its ups and downs. If the resources allocated to research workers are an indication for the future of a science, than biological control is about to enter a new, highly favourable, period. Over the last two years, good news have been received from all continents, which confirm this trend, some of the most important ones being as follows :

1988 : Inauguration of the IITA-Cotonou (R.P. Bénin) Research Centre for Biological Control.

1989 : Official opening of the new CABI-CIBC facilities at Silwood Park (UK)

— Establishment of a Biological Control Research Centre at Hanoi (Vietnam)

— Completion of the new quarantine for biological control at Canberra (Australia : CSIRO Division of Entomology), and at Frankston (Australia : K. Turnbull Research Institute)

— Decision made to build a new station for biological control in Paraguay.

1990 : Creation of the International Complex for Biological Control at Montpellier-Agropolis (France : GILBA, Président J.P. Aeschlimann, address below), due to host the new research laboratories of a number of Organizations, i.e. CSIRO (Australia), USDA/ARS (USA), INRA (France), etc., and of other Agencies likely to be interested, on a 20 hectares block of land.

Also, following an initiative of the global body, the Plant Production and Protection Division of FAO (Rome, Italy) has accepted to draft guidelines for the safe use of biological control agents covering the introduction, release, quarantine procedures and the safety requirements. The document is expected to be circulated within the next few months and should be ready for issue by the end of this year.

We now look forward to hearing from successful results of biological control programs !

## EXECUTIVE COMMITTEE

President : J.R. Coulson, Benef. Insects Introd. Lab.,  
USDA ARS, BARC East Build. 476, Beltsville  
Maryland 20705 (USA)

Secretary-General : J.P. Aeschlimann, CSIRO Biol.  
Control Unit, 335 avenue P. Parguel, 34090  
Montpellier (France)

Treasurer : J. Freuler, Station Féd. Rech. Agron.,  
Domaine de Changins, 1260 Nyon (Switzerland).

## NEWS FROM WORKING GROUPS

### WG OSTRINIA NUBILALIS

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

IWGO Newsletter 10 (2), 38 pp. was released in November 1989 and may still be obtained from the editor, H.K. Berger, Fed. Inst. Plant Prot., Trun-  
nerstr. 5, 1020 Vienna (Austria).

The XVIth international Meeting of IWGO will take place in Ames, Iowa (USA), most probably in the second week of September 1990. Interested scientists please contact the chairman.

### WG HELIOTHIS

Chairman : E.G. King, USDA ARS, Subtrop. Agric.  
Res. Lab., P.O. Box 267, Weslaco Texas 78596  
(USA).

### WG QUALITY CONTROL OF MASS-REARED ARTHROPODS

Chairman : F. Bigler, Eidgen. Forschungsanst., FAP,  
Reckenholzstr. 191, 8046 Zurich (Switzerland)

Assistant chairman : N.C. Leppla, Plant Methods  
Devel. Centre, Dept. Agric., APHIS Fed. Build.  
Room 228, 6505 Belcrest Rd, Hyattsville Mary-  
land 20782 (USA).

The Contributions to the 4th Workshop WG Quality Control, Vancouver (Canada), June 26-30, 1988, have been published as a separate issue of J. Appl. Entom., 108 (1989), 390-482. Copies may be ordered from the chairman at the price of US \$ 18 or Sw. Fr. 25.

The 5th Workshop of the WG will be organized in May 1991 at Wageningen (NL).

#### *WG TRICHOGRAMMA AND OTHER EGG PARASITOIDS*

Co-chairmen : S.A. Hassan, Inst. biol. Schädlingsbek., Heinrichstr. 243, 6100 Darmstadt (FRG)

G.A. Pak, Agric. Univ., Dept. Entom., P.O. Box 8031, 6700 EH Wageningen (NL)

E. Wajnberg, INRA Station de Zoologie, 37 boulevard du Cap, B.P. 2078, 06606 Antibes Cedex (France).

Trichogramma News 5, January 1990, 44 pp., has been distributed recently, and is still available from S. Hassan.

The 3rd international Symposium of this WG is to take place at San Antonio Texas (USA), September 23-27, 1990. Registration is requested before May 1 from S.B. Vinson, Dept. of Entom., Texas A&M Univ., College Station Texas 77843 (USA).

#### *WG FRUIT FLIES OF ECONOMIC IMPORTANCE*

Chairman : P. Liedo Fernandez, CIES, Apartado Postal 36, Tapachula Chiapas 30700 (Mexico)

Assistant chairman : M. Aluja, Inst. de Ecologia, A.C. Xalapa, Mexico

G. Delrio, Ist. Entom. Agraria, Univ. degli Studi, Via E. de Nicola, 07100 Sassari (Italy).

Over 120 participants will attend the international Symposium organized in Antigua Guatemala (Guatemala), October 14-21, 1990. Interested colleagues please apply in writing to the chairman.

#### *WG BIOLOGICAL CONTROL OF BRUCHIDS*

Chairman : A. van Huis, Dept. of Entom., Agric. Univ., P.O. Box 8031, 6700 EH Wageningen (NL)

Assistant chairman : J.P. Monge, Inst. Bioc. Expér. Agroéc., Univ. F. Rabelais, Fac. Sci., Parc Grandmont, 37200 Tours (France).

A first newsletter will be prepared in March, at the time when a first expert meeting will be held in Tours (France). Interested scientists please contact the chairman.

#### *WG ECOLOGY OF APHIDOPHAGA*

Chairman : I. Hodek, Inst. Entom., ČSSR Acad. of Sci., 300 05 České Budejovice, Branisovska 31, (ČSSR)

Co-chairmen : R. Chambers, Entom. & Insect Pathol. Section, AFRC Inst. Hort. Res., Worthing Rd, Littlehampton West Sussex BN17 6LP (UK)

D. Horn, Dept. Entom., Ohio State Univ., 1735 Neil Ave., Columbus Ohio 43210-1220 (USA).

The 4th Meeting of this WG will be organized at Gödöllő (Hungary), September 2-7, 1990. The sessions will deal with the following topics : Food eco-

logy, Life cycle strategies, Resistance to chemicals, Distribution, Impact on aphid populations and use in biological control, Natural enemies. To attend, apply before May 1 to L. Polgar, Dept. Zool., Plant Prot. Inst., P.O. Box 102, 1525 Budapest (Hungary).

#### *BIOLOGICAL CONTROL OF WEEDS*

The organizers of the 8th international Symposium on Biological Control of Weeds, due to be held in Lincoln (New Zealand), February 2-7, 1992, have issued a first circular. It includes a form asking likely participants to give an opinion on the affiliation of the Symposium to the global IOBC as a formal Working Group. The circular may be obtained from R. Hill, DSIR Plant Protection, Private Bag, Christchurch (New Zealand).

#### *BIOLOGICAL CONTROL OF PLUTELLA*

A proposal to establish a global Working Group dealing with the biological control of diamondback moth (*Plutella xylostella*) has been received. The need for such a WG will in particular be discussed during the 2nd international Workshop on the Management of diamondback moth, at Shanhua (Taiwan), December 10-14, 1990. A pamphlet presenting this Workshop, as well as copies of the detailed proposal may still be obtained from the Organizer, N.S. Talekar, AVRDC, P.O. Box 42, Shanhua Tainan 74199 (Taiwan). Please direct any comments on the proposal to the General Secretariat.

#### **FROM REGIONAL SECTIONS**

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

Président : R. Cavalloro, Ist. Entom. Agraria, Univ. degli Studi, Via Gradonigo 6, 35131 Padova (Italy)

Secrétaire Général : S.H. Poitout, INRA Station Rech. Zool., Domaine Saint-Paul, B.P. 91, 84143 Montfavet Cedex (France).

Bulletin SROP/WPRS Bulletin 1989/XII/6 (Working Group « Integrated Plant Protection in Orchards, Control of Pome Fruit Diseases »), 346 + 7 pp., is available from the Library, Phytopathology, Universitätstr. 2, 8092 ETH-Zurich (Switzerland). Price Sw. Fr. 43.

PROFILE 10, 20 pp., was issued in December 1989 and may be obtained from the editor, A.K. Minks, Res. Inst. Plant Prot., P.O. Box 9060, 6700 GW Wageningen (NL).

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

President : N.M. Golyshin, State Comm. USSR Council Min. Food, Orlikov per. 1/11, 107139 Moscow (USSR)

Secretary-General : V.I. Martinenko (same address).

The General Assembly will be held May 21-26, 1990 in Uzhgorod (Ukraine), and the agenda includes reports of the Standing Committees and Working Groups, discussion of the activities for the next three years, and elections.

*SOUTH AND EAST ASIAN REGIONAL SECTION  
(SEARS)*

President : Y. Hirose, Inst. Biol. Contr., Fac. of Agric., Kyushu Univ., Fukuoka 812 (Japan)

Secretary-General : M. Takagi, same address.

A Report on the 3rd Regional Meeting of SEARS, held in Tsukuba (Japan), October 4, 1989, has been released and is available from the President.

*NEARCTIC REGIONAL SECTION (NRS)*

President : F.E. Gilstrap, Dept. Entomol., Texas A&M Univ., College Station Texas 77843-2475 (USA)

Corresponding Secretary : L.D. Charlet, USDA ARS, North. Crop Sci. Lab., Box 5677, State Univ. Station, Fargo North Dakota 58105 (USA).

*NEOTROPICAL REGIONAL SECTION  
(NTRS/SRNT)*

President : M. Zapater, Cat. Genet., Fac. Agron., Univ. 1417 Buenos Aires (Argentina)

Corresponding-Secretary : P.S. Baker, CABI, Inst. Biol. Contr., Gordon Str., Curepe (Trinidad W.I.).

*AFROTROPICAL REGIONAL SECTION  
(ATRS/SRAT)*

Organizer : J. Boussienguet, Prog. Nat. Lutte Biol., B.P. 1896, Univ. O. Bongo, Libreville (Gabon).

**ANNOUNCEMENTS**

ENTOMOPHAGA : Chief Editor : C. Bénassy, Station Zool. INRA, Route de Biot, 06560 Valbonne (France).

The first issue of volume 35 (1990), 160 pp., has been mailed to subscribers towards the end of March.

*NEW BOOKS — LIVRES NOUVEAUX*

Mittler, T.F. et al. (eds.). Annual Review of Entomology, volume 35. 1990, 641 pp. (Includes several articles dealing with insect pests management.) Order from Annual Reviews Inc., 4139 El Camino Way, Palo Alto California 94306 (USA). Price US \$ 38 in North America, 42 elsewhere.

Cavalloro, R. (ed.). Importance and Perspectives on Herbicide-Resistant Weeds. Proc. Meeting EC Experts' Group. 1990, 219 pp. Price ECU 17.50, and

Cavalloro, R. (ed.). « Euraphid » Network : Trapping and Aphid Prognosis. Proc. Meeting EC Experts' Group. 1989, 331 pp. Price ECU 27.50. Both books can be ordered from the Office Official Publ., E.C., 2985 Luxembourg.

Kovalev, O. & Belokobylskij, S.A. (eds.). Theoretical Principles of Biological Control of the Common Ragweed. Proc. Zool. Inst., 189, USSR Acad. of Sciences, 199134 Leningrad (USSR). 1989, 240 pp.

Mackauer, M. et al. (eds.). Critical Issues in Biological Control. 1990, 330 pp. Order from Intercept Ltd. P.O. Box 716, Andover, Hants SP10 1YG (UK). Price £ 40 or US \$ 68.

Betheder-Matibet, M. Insectes Nuisibles aux Cultures Vivrières d'Afrique, de Madagascar et des Mascareignes. 1989, a collection of 60 files. Order from IRAT/CIRAD, Entomologie, B.P. 5035, 34032 Montpellier Cedex 1 (France). Price FF 1000 or CFA 50000.

Noyes, J.S. & Valentine, E.W. Mymaridae (Insecta Hymenoptera). Fauna of New Zealand, 17. 1989, 95 pp. Order from the publisher, DSIR Publ., P.O. Box 9741, Wellington (New Zealand). Price US \$ 24.95.

Rosen, D. (ed.). Armored Scale Insects : their Biology, Natural Enemies and Control. World Crop Pests volume 4A. 1990, 386 pp. Order from Elsevier Sci. Publ., P.O. Box 330, 1000 AH Amsterdam (NL), or from Elsevier Co. Inc., P.O. Box 882, Madison Square Station, New York 10159 (USA). Price Dfl 310 or US \$ 159.

*PERIODICALS — REVUES*

FAO Plant Protection Bulletin 37 (1), 1989, 48 pp. is available from Distribution and Sales Section, FAO, Via delle Terme di Caracalla, 00100 Rome (Italy).

Plant Protection News 17, and 18, 1989, 8 pp. each, are available from Plant Protection Res. Inst., Private Bag X134, Pretoria 0001 (RSA).

ILEIA Newsletter 4, 1989, 36 pp. is available from ILEIA, P.O. Box 64, 3830 AB Leusden (NL).

MAPPS Newsletter, 13(2), 1989, 36 pp. is available from MAPPS, P.O. Box 12351, Kuala Lumpur 50774 (Malaysia).

South Pacific Commission, Information Circular, 118, Plant Protection News 17, 1989, 12 + 2 pp., etc. are available from Plant Prot. Serv., Private Mail Bag, South Pacific Commission, Suva (Fiji).

Chalcid Forum, 12, 1989, 38 pp. is available from G. Gibson, Biosyst. Res. Centre, K.W. Neatby Build., Agric. Canada, Ottawa K1A 0C6 (Canada).

*FORTHCOMING MEETINGS — CONFERENCES*

May 31-June 3, 1990. Agrobiobruit Exhibition, Cesena (Italy). Apply to Organizing Committee, Camera di Commercio, Via G. Finali 32, 47023 Cesena (Italy).

June 5-8, 1990. IOBC Conference on Biological and Integrated Control in Glasshouses, Copenhagen (Denmark). Registration to Research Centre Plant Prot., Zool. Dept., Lottenborgvej 2, 2800 Lyngby (Denmark).

June 26-29, 1990. Conference on Good Agricultural Practice in Potato Protection, Poznan (Poland). For information, contact EPPPO/OEPP, 1, rue Le Nôtre, 75016 Paris (France).

- September 23-28, 1990. 6th International Bioindicators Symposium, Dublin (Ireland). For information, write to D.W. Jeffrey, School of Botany, Trinity College, Dublin 2 (Ireland).
- September 26-29, 1990. International Symposium on Agroecology and Conservation Issues in Temperate and Tropical Regions, Padova (Italy). Information from M.G. Paoletti, Dept. Biol., University, Via Trieste 75, 35121 Padova (Italy).
- September 24, 1990-June 7, 1991. Cours Supérieur d'Aménagement Rural en Fonction de l'Environnement, Saragosse (Espagne). Inscriptions auprès de IAM, Apartado 202, 50080 Zaragoza (Espagne).
- April 15-26, 1991. Decision Tools for Pest Management, Silwood Park (UK). Apply to P. Combey, Director Cont. Educ., Room 321, Sherfield Build., London SW7 2AZ (UK).

Montpellier, April 1, 1990

- August 11-17, 1991. 2nd Quadriennial Meeting International Society of Hymenopterists, Sheffield (UK). Enquiry from P.M. Marsh, Syst. Ent., Lab., USDA, US Nation, Museum NHB-168, Washington DC 20560 (USA).
- June 28-July 4, 1992. XIX international Congress of Entomology, Beijing, (China). Information from Z.L. Zhang, 19 Zhongguancun Lu, Beijing 100080 (China).

*VACANT POSITION — POSTE A POURVOIR*

One BIOLOGICAL CONTROL specialist with interest in population biology is required to perform research and teaching (Undergraduate and Master levels) in Costa Rica. Send curriculum vitae and the names of two referees to W.G. Eberhard, Biología, UCR, Ciudad Universitaria, Código Postal 2544, Costa Rica.

Editor of this issue : J.P. Aeschlimann