

IOBC Newsletter 34

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

APRIL 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

Subscription for 1985 has already been received in due form from a fair proportion of IOBC members. We are aware of the problems posed in several countries by the severe regulations regarding foreign currencies and are presently trying to find an answer to each particular situation. For the time being, IOBC-Newsletters will continue to be sent to all members, whether they could renew their subscription or not.

ENTOMOPHAGA volume 30 (1) is due to appear towards the end of April 1985 (see contents below). This will be the first issue of our scientific journal produced under the responsibility of the new editorial board, chaired by C. Bénassy (Antibes). B. Hurpin, the former editor of ENTOMOPHAGA has resigned at the end of 1984 after 16 years of excellent work, for which we would like to thank him.

The Secretary-General

B. HURPIN QUITTE LA RÉDACTION DE ENTOMOPHAGA

Créée en 1956 à l'initiative de A.S. Balachowsky et de G. Remaudière (son rédacteur jusqu'en 1968), ENTOMOPHAGA, publication officielle de la Commission Internationale de Lutte Biologique (CILB), a tout d'abord été éditée et commercialisée par la librairie Le François à Paris. La revue a assuré la publication de mémoires originaux sur les différents aspects de la lutte biologique contre les insectes nuisibles, des comptes rendus d'activités de la CILB, des mises au point annuelles de la bibliographie préparées par l'Institut für biologische Schädlingsbekämpfung (Darmstadt) et des listes d'identification d'insectes entomophages établies par le Centre de Genève.

G. Remaudière, responsable scientifique de l'édition et E. Morales, chargé des numéros hors série, furent remplacés en 1969 par un comité composé de B. Hurpin, G. Remaudière et P.A. van der Laan, l'essentiel de la gestion scientifique étant confié à B. Hurpin. Il fut alors décidé que la revue serait uniquement consacrée à la publication d'articles originaux. Au fil des années, la composition de ce comité de rédaction

a subi des modifications successives liées tant au souhait de certains de ses membres qu'à l'extension de l'audience internationale de la revue, concrétisée par un accroissement progressif du nombre des manuscrits rédigés en langue anglaise.

De 1969 à 1984, soit pendant 16 ans, l'essentiel des tâches d'édition a été assuré par B. Hurpin, directeur de la Station de recherches de lutte biologique de La Minière, puis chef du département de zoologie de l'INRA après la disparition de notre regretté président E. Biliotti. Réception des manuscrits, choix des lecteurs, correspondance avec les auteurs, préparation des manuscrits pour l'impression, correction des épreuves, relations avec les éditeurs, ont été le travail presque quotidien de B. Hurpin. Celui-ci ayant fait valoir ses droits à la retraite en 1985, le flambeau a maintenant été confié à C. Bénassy, de la Station de recherches de zoologie et de lutte biologique d'Antibes, qui assure dorénavant la direction de notre revue.

Les responsabilités de B. Hurpin ont été particulièrement lourdes à partir de 1980, époque à laquelle la librairie Le François fut conduite à cesser ses activités dans le domaine de l'édition. ENTOMOPHAGA fut reprise par la société Balthazar Publications, qui se révéla rapidement incapable d'assumer correctement l'édition et la commercialisation d'une revue scientifique internationale comme la nôtre. La faillite de cette maison en 1982, les agissements de son gérant à l'égard de l'OILB ont malheureusement beaucoup retardé la publication du tome 27 et grandement nui au renom de la revue aussi bien auprès des auteurs que des abonnés.

Reprise dans des conditions difficiles par la librairie Lavoisier à Paris à partir de 1983, ENTOMOPHAGA est depuis cette année sous la responsabilité scientifique d'un comité de 7 membres composé de C. Bénassy, J.J. Drea, S. Finch, R. Gonzalez, Y. Hirose, A. Jarraya et G.H.L. Rothschild. En souhaitant plein succès à cette nouvelle équipe, nous n'oublions pas l'efficacité et le dévouement dont a fait preuve B. Hurpin au service de notre communauté scientifique et pour le plus grand bien de la discipline qui nous unit, la lutte biologique.

P. Ferron (La Minière)

**EXECUTIVE COMMITTEE
OF THE GLOBAL IOBC**

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

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

Treasurer : KP. Carl, CIBC European Station,
1, chemin des Grillons, 2800 Delémont,
Switzerland.

NEWS FROM WORKING GROUPS

WG OSTRINIA NUBILALIS

Chairman : P. Anglade (Bordeaux)

This WG held its 13th Symposium at Colmar,
France, in September 1984. Representatives of
12 countries attended this meeting at which 9
papers were delivered.

Newsletter 5 (1/2), 39 p. was issued by this
WG in December 1984. Additional copies may
still be obtained from the editor, H.K. Berger,
Fed. Inst. Plant Protection, Trunnerstr. 5,
1021 Vienna, Austria.

WG BRUCHIDS

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

At the above address, an international centre
for the ecology and control of pest insects is
being created (Institut de Biocénétique Expé-
rimentale des Agrosystèmes), which is expected
to operate from March 1985 on.

WG HELIOTHIS

Chairman : E.G. King, USDA ARS, Insect
Managem. Lab., P.O. Box 225 Stoneville MIS
38776, USA.

An international workshop on the biological
control of *Heliothis* species is being prepared.
For more detail please contact the chairman
of this WG.

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

Chairman : C.O. Calkins, USDA, Insect Attract-
ants, Behaviour and Basic Biology Res. Lab.,
P.O. Box 14565, Gainesville, FL 32604, USA.

The change in the leadership of this WG
occurred with effect in January 1985. New
Assistant Convenor is now F. Bigler, Federal
Res. Station FAP, Reckenholzstr. 191/211, 8046
Zurich, Switzerland.

WG TRICHOGRAMMA

Co-chairmen : S. Hassan (Darmstadt)
J. van Lenteren (Wageningen),
J. Voegelé (Antibes).

NEWS FROM THE REGIONAL SECTIONS

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

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

The General Assembly of WPRS/SROP is to
take place in Stuttgart, GFR, October 7-9, 1985.

The WPRS working group on fruit flies of eco-
nomic importance seeks information from all
research workers involved in the ecology and
control of fruit flies. Fruit Fly News 8, 35 p.
is available from E.F. Boller, Federal Res.
Station, 8820 Wädenswil, Switzerland, as well
as a list of interested specialists. The survey
for potential participants in this WG has to be
completed by the end of April 1985.

The following is available from C. Pelerents,
Faculté des Sciences agronomiques, Coupure
Links 533, 9000 Gand, Belgium :

Bulletin SROP/WPRS Bulletin 1984/VII/6.
Integrated pest and disease control in hops.
Freising, GFR, 1983 (eds. I. Hrdy and H.
Hrdlickova), 79 p.

**EAST PALAEARCTIC REGIONAL SECTION
(EPRS)**

Secretary-General : V.I. Martinenko, Plant
Protection Department, v/o Min. 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 Uni-
versity, P.O. Box 9-52, Bangkok, Bangkok
10900, Thailand.

NEARTIC REGIONAL SECTION (NRS)

The Executive Committee of this regional section
has formally requested to change the name of
IOBC/Western Hemisphere Regional Section to
IOBC/Nearctic Regional Section with effect
in January 1985.

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

**LATIN AMERICAN REGIONAL SECTION
(LARS)**

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

ANNOUNCEMENTS

ENTOMOPHAGA 30 (1), 1985.

Contents (by courtesy of C. Bénassy) :

Katsoyannos, P.I. et Argyriou L. — The phe-
nology of the San José scale *Quadraspidiotus
pernicosus* (Hom. : *Diaspididae*) and its asso-
ciation with its natural enemies on almond
trees in Northern Greece.

Freiberg, A. & Mathis, W.N. — On the feeding
habits of *Rhynchopsilopa* (Dip. : *Ephydriidae*).

Le Ru, B., Silvie, P. & Papierok, B. —
L'entomophthorale *Neozygites fumosa* patho-
gène de la cochenille du manioc, *Phenacoccus
manihoti* (Hom. : *Pseudococcidae*) en Répu-
blique Populaire du Congo.

Isenhour, D.J. — *Campoletis sonorensis* (Hym. : Ichneumonidae) as a parasitoid of *Spodoptera frugiperda* (Lep. : Noctuidae) : host stage preference and functional response.

Tabashnik, B.E. & Croft, C.A. — Evolution of pesticide resistance in apple pests and their natural enemies.

Bellonci, S., Quiot, J.M., Arella, M. & Lecomte, J. — Etablissement d'une nouvelle lignée cellulaire (IAFEs-1) à partir d'ovarioles d'*Euxoa scandens* (Lep. : Noctuidae).

Keller, S. & Wilding, N. — *Entomophthora brevinucleata* sp. nov. (Zygomycetes : Entomophthoraceae), a pathogen of gall midges (*Dip.* : Cecidomyiidae).

Mertins, J.W. — *Laelius utilis* (Hym. : Bethyridae), a parasitoid of *Anthrenus fuscus* (Col. : Dermestidae) in Iowa.

Schroder, R.F.W., Athanas, M.M. & Puttler, B. — Propagation of the Colorado potato beetle (*Col.* : Chrysomelidae) egg parasite *Edovum puttleri* (Hym. : Eulophidae).

Aeschlimann, J.P., Ferron, P., Marchal, M. & Soares, G. — Occurrence and pathogenicity of *Beauveria bassiana* infesting larval *Sitona discoideus* (Col. : Curculionidae) in the Mediterranean region.

Kolasa, J., Fletcher, M. & Main, A.J. — New records for two mosquito predators (*Turbellaria* : Mesostoma) in the Northeastern United States.

Thompson, C.R. — Temperatures lethal for citrus blackfly parasites *Encarsia opulenta* and *E. smithi* (Hym. : Aphelinidae).

Schroder, R.F.W. & Dodson W.P. Jr. — *Hypera postica* (Col. : Curculionidae) and its natural enemies in Maryland and West Germany — 1971.

NEW BOOKS

Hoy, M.A., Cunningham, G.L. & Knutson, L. (eds.). 1984. — Biological control of pests by mites. Proceedings of a Conference at U.C., Berkeley, April 1982. Price US \$ 15. Order from Publications, Univ. of California, Agric. and Natural Res., 6701 San Pablo Av., Oakland, CA 94608-1239, USA.

Second International Conference on Classification, Phylogeny, and Natural History of the Hydradephaga (Coleoptera), Hamburg 1984. Entomol. Basiliensis (Spec. Issue). Price Sw. Fr. 75. Order from Pro Entomologia, Natural History Mus., 4001 Basel, Switzerland.

Cutkomp, L.K. & Eesa, N.M. 1984. — A Glossary of Pesticide Toxicology and Related Terms. Thomson publ., 80 p. Price US \$ 10. Order from Thomson publ., P.O. Box 9335, Fresno CA 93791, USA.

NEW PERIODICALS

Experimental & Applied Acarology. W. Helle (editor-in-chief). Volume 1 (4 issues) to appear in 1985. Elsevier Science Publ., P.O. Box 211, 1000 AE Amsterdam, The Netherlands.

Folia Musci Historico-Naturalis Bakonyensis. Volume 1 is from 1982. With articles in Hungarian, German and English. For exchange. Upon request from The Director, Dr. Sandor Toth, Bakonyi Természettudományi Múzeum, Hungary.

FORTHCOMING MEETINGS

May 7-9, 1985. Aphid Migration and Forecasting «Euraphid» System in European countries. Expert's Meeting. Montpellier, France. Information at the following address : F. Leclant, INRA Ecologie animale et Zoologie agricole, 9, place Viala, 34060 Montpellier, France.

May 25-30, 1985. Austr. Ent. Society General Meeting and Scientific Conference, Hobart, Tasmania. For registration : C. Mack, 4 Liverpool St., Hobart, 7000 Tas, Australia.

August 4-8, 1985. 16th Annual Scientific Meeting of the Society for Invertebrate Pathology. Forestry Pest Management Institute, P.O. Box 490, Sault Ste Marie, Ontario, Canada. For more information, ask T.J. Ennis at this address.

September 18-19, 1985. Symposium on Insect Parasitoids, sponsored by the Royal Entomological Society of London. Early registration advised. Please write to the Registrar, 41 Queen's Gate, London SW7 5HU, UK.

September 17-19, 1985. Meeting of the IOBC/WPRS Working Group on Integrated Control of *Corythucha ciliata*. Ist. Entomol. Agraria, Univ. degli Studi, Via Gradenigo 6, Padova, Italy. Information from S. Zangheri, at this address.

July 1-7, 1986. 6th International Symposium on Insect-Plant Relationship. Information from G. Fabres, IBEAS, Avenue Philippon, 64000 Pau, France.

August 18-22, 1986. 4th International Colloquium on Invertebrate Pathology. Eindhoven, The Netherlands. Information from J.M. Vlak, Dept. of Virology, Agricultural University, P.O. Box 8045, 11 Binnenhaven 6700 EM Wageningen, The Netherlands.

BIOLOGICAL CONTROL OF WEEDS

The Institute for Plant Protection, 41000 Zagreb (Fac. of Agric. Sciences, Simunska 25, P.O. Box 281, Director : M. Maceljski) has announced its intention to introduce and release natural enemies of the common ragweed *Ambrosia artemisiifolia* (Compositae) into Yugoslavia, in cooperation with the USDA Beltsville Laboratory, USA. Both, the chrysomelid *Zygogramma suturalis* and the noctuid *Tarachidia candefacta* are of American origin and should be liberated at some stage during the spring or summer 1985.

On the other hand, the European Weed Research Society (EWRS) has established a new Core Committee in 1984. This Committee aims at the implementation of biological control of weeds in European countries. First an attempt will be made to formulate recommendations regarding a possible improvement of the national

regulations. The Chairman of this Core Committee, D. Schröder, CIBC European Station, 1, chemin des Grillons, 2800 Delémont, Switzerland, would welcome any information and comments on this subject.

INTERNATIONAL SOCIETY OF HYMENOPTERISTS

This new Society envisages to organize special symposia in connection with future International

and European Entomological Congresses. It is hoped to produce yearly bibliographies of works on Hymenoptera with a first one at the end of 1985.

For membership and information, contact the Secretary, R. Wharton, Texas A & M Univ., Dept. of Entomology, College Station, TX 77843-2475, USA or C. van Achterberg, Rijksmus. van Natuurlijke Historie, Raamsteeg 2, Postbus 9517, Leiden, The Netherlands.

Montpellier, April 1, 1985

Editor of this issue : Jean-Paul Aeschlimann