



**IOBC / WPRS
OILB / SROP**

PROFILE

Internal Newsletter issued by the Publication Commission for the IOBC/wprs Council and Executive Committee

**International Organization for Biological and Integrated Control of
Noxious Animals and Plants – West Palearctic Regional Section**

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In this Issue

The Presidents Page	2
From the Executive Committee	2
Commission on IP Guidelines and Endorsement	3
Working Group „Pesticides and Beneficial Organisms“	4
Working Group “Integrated Control in Viticulture”	5
Working Group “Integrated Control of Soil Pests“, Subgroup <i>Melolontha</i>	5
Working Group “Integrated Plant Protection in Orchards“, Subgroup “Soft Fruits”	6
Working Group “Use of Pheromones and other Semiochemicals in Integrated Control“	6
Working Group “Plant Protection in Orchards” and WG “Plant Protection in Stone Fruit”	8
Working Group “Insect Pathogens and Insect Parasitic Nematodes”	8
IOBC/wprs Officers and their addresses	11
New IOBC/wprs Publications [Bull. 22(7) – 23 (11), including Contents].....	12
Individual Members: Important !	12
Bibliographic Database Free on the Web	13
Monitoring Populations of the Carrot Fly <i>Psila rosae</i>	13
Other interesting publications	13
Time-Table of forthcoming events	14
Next Issue of Profile	15

IOBC/wprs homepage: <http://iobc.ethz.ch>

The Presidents Page

During the first half of 2000 an important improvement has taken place with publications. Thus *BioControl* is getting on track so the normal stream of volumes is floating hopefully to all members. Also the WPRS Bulletin is now in good shape after a down period caused by local illness at the Gent University where we owe great thanks to Dr. Luc Tirry and some of his staff for still giving us their highly valuable support.

A few other areas of activity should be mentioned as eg. the production of IP guidelines. Here the first steps are being taken towards making a set of guidelines for selected vegetables and a set of guidelines for Integrated Protection in Protected Crops. The vegetable area will take some time as it is very complicated because of the many crops and the variation in production for crops produced over large areas of Europe. In this case WPRS also tries to lean on particular project activities.

A special case of IP guidelines is the involvement through Dr. Boller in assisting with producing guidelines for IP vine in Oregon after request from local people and the IOBC/NRS. This is a nice example of how the ideas and experiences within WPRS may be used elsewhere.

As an attempt to establishing new contacts and possibilities the Executive Committee of the Council has met with representatives from the *International Biocontrol Manufacturer's Association*. It seems that both sides may support each others in promoting biological control and we will take further steps towards the development of a mutual agreement on exchange of information etc.

With these few remarks I wish all our members a nice summer and harvest season.

Peter Esbjerg

From the Executive Committee

The Executive Committee met in Zürich, March 24-25, 2000. Several important questions were discussed and you will find below a brief report of this meeting underlying the main decisions.

General Assembly:

As decided by the council, the general assembly will take place in Switzerland at the conference center of ETH in Monte Verità, close to Ascona, from **Friday 14 September to Wednesday 19 September, 2001**. Pre-programme is as follows:

Arrival on Friday 14 in the afternoon; Saturday 15: convenors and council meetings; Sunday 16: excursion; Monday 17, scientific session; Tuesday 18: WG reports, general assembly, elections; Wednesday 19: departure.

Please note these dates and attend the General Assembly of your organization. This is a unique opportunity to express your wishes, to make your remarks and to take part to the activity of IOBC/WPRS.

Integrated Production / Integrated Plant Protection:

The problem posed by protected crops in relation to "integrated production" was discussed in Tunc (1998) and again in Gent (1999) without reaching an agreement.

To summarise quickly the debate, on one side there are the IOBC principles for Integrated Production, that have been clearly established in the Guidelines II (2nd edition, Bulletin Vol.22 (4), 1999) that exclude heated crops and soil-less cultures as non-sustainable systems. On the other side, IOBC specific working groups are elaborating strategies for biological control under greenhouse conditions and in fact biological control is well developed and really utilised by growers, who are asking for guidelines. The opinion of the Executive Committee was that it probably could be possible to produce guidelines for integrated plant protection in protected crops.

After a long and rich discussion with E. Boller, we reached an agreement making clear that "*Integrated Plant Protection*" is something different than "*Integrated Production*". It was decided to modify one of the sentence of Guidelines II to make possible the writing of guidelines for integrated plant protection. The new sentence reads as follow:

"Non-soil cultures and heated protected crops are not compatible with the principles of a sustainable production system as defined by IOBC. However the integrated plant protection as part of such production systems might satisfy IOBC standards".

According to this modification, E. Boller would accept that the specific working groups produce Guidelines IV (and not III) for Integrated Plant Protection in protected crops.

The Executive Committee has mandated the two working groups “protected crops” to prepare Guidelines IV for Integrated Plant Protection in protected crops. The Commission Guidelines will coordinate the work, but will not be in charge of these Guidelines

The possibility to write Guidelines III for field vegetables was discussed. E. Boller indicated that there was an European Project “VEGINECO” having for objective the integrated production of vegetable in Northern as in Southern Europe. The decision was made to mandate the Commission “Guidelines” to produce a Guideline III for field vegetables, probably with two versions one for northern climatic zone, the other for the Mediterranean climatic zone. The schedule is as follows; draft 0 based on existing guidelines in some countries, in spring 2001 to be able to present a draft 1 for the General Assembly in October 2001.

Workshops and Bulletins:

Some WG conveners and workshop organisers have complained that the delay between a workshop and the publication of the corresponding Bulletin was too long. The only solution to speed up the production of the Bulletins is to strictly respect “*Instructions for Authors*” which have been produced and can be found in the convener handbook and on the Web page of IOBC/WPRS.

Indeed Horst Bathon and Luc Tirry are spending too much time to reedit articles that do not respect the instructions. This is the responsibility of workshop conveners to check the quality of the papers before sending them for editing.

IBMA:

IBMA is the International Biocontrol Manufacturer’s Association. The President is M. Guillon from Calliope-NPP and the past president is B. Blum from Agrometrix. Both were attending our meeting. B. Blum presented the association, its structure, its objectives. IBMA considers 4 types of products: the macro-organisms, the micro-organisms, the pheromones, and the natural extracts. Producers, distributors, consultants and scientists are members of IBMA.

IBMA has for objective to develop the market of biological products and to set up “specific, scientifically and economically justified regulations”. Thus IBMA and IOBC have close objectives, they should collaborate, since IOBC has the scientific expertise and IBMA the technological knowledge and the capacity to act as a lobbyist in Brussels and in Strasbourg.

To develop projects of cooperation between IOBC and IBMA, it was decided to create a “steering committee” of a few persons. It was also decided that IBMA will become a supporting member of IOBC/WPRS.

After the departure of B. Blum and M. Guillon, the Executive Committee decided that J. Huber and C. Alabouvette will be the contact persons between OILB and IBMA.

Agenda:

The next meeting of the Executive Committee is planned for September 29-30, 2000.

Feel free to contact the General Secretary for any type of questions regarding our organisation.

Claude Alabouvette
E-mail: ala@dijon.inra.fr

Commission on IP Guidelines and Endorsement

Emphasis of the Commission’s activities was given to the preparation and publication of the Technical Guideline III for grapes (2nd edition; Bull. 22(8), 1999) and soft fruits (Bull. 23(5), 2000). The new Guidelines for citrus and olives are in preparation. The pressure from various sides to produce IOBC IP-Guidelines for vegetables has continuously increased. The necessity and feasibility of preparing Technical Guidelines for field grown vegetables and of IPM rules for glass-house crops has been discussed at length by Council and Executive Committee and will become a major issue for the Commission’s future work. Presently, the Commission explores the feasibility and possible procedures of the preparation of such guidelines with the WPRS working groups concerned.

Members of the Commission presented the IOBC concept of Integrated Production at various national and international meetings indicating an increasing interest in the IOBC concept not only in Europe but also in other Regional Sections. The Global IOBC – in agreement with WPRS Council – has therefore given the Commission the mandate to expand its present endorsement activities beyond the geographic area covered by WPRS. For the year 2000 two additional organisations received the agreement: APOFRUIT (Bologna) for stone fruits and TYFLO (Obernai/France) for grapes.

Commission on IP Guidelines and Endorsement on Internet

Yes, our IOBC/WPRS Commission on IP Guidelines and Endorsement is now on internet. Try and see

<http://www.admin.ch/sar/faw/iobc.html>

Any comments and improvements are welcome.

With best personal regards

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Working Group „Pesticides and Beneficial Organisms“

Last meeting: Most of the contributions of last years meeting at INRA-Versailles are published in the IOBC/wprs Bulletin 23(9), 2000 (Contents see Profile 29: 41 ff.). The Bulletin will give an excellent overview on actual topics in side effect research.

Joint Pesticide Testing Programme: Actually, the 9th programme is running. 14 pesticides are included and 15 testing members are participating. First results will be available at the next meeting of the WG in October this year.

Workshop on “European Standard Characteristics of Non-Target Regulatory Testing: Risk evaluation“, held at Wageningen, The Netherlands, from 21st to 23rd March 2000.

The WG was involved in the organisation of the workshop and a number of WG members participated. Now, after 5 years of experience with the 1st guidance document for the testing of the effects of pesticides on beneficial arthropods for regulatory purposes, which was developed during the 1st workshop on European Standard Characteristics of Beneficials Regulatory Testing (ESCORT), held in Wageningen in 1994, the groups involved in the organisation of this first workshop (IOBC, EPPO, BART and SETAC-Europe) had agreed that it is necessary to convene a 2nd workshop to address the issues which have arisen within the regulatory risk assessment of non-target arthropods, particularly with respect to the evaluation of active substances and formulated products in accordance with the Directive 91/414/EEC and compared to the risk assessment scheme for beneficial arthropods prepared by EPPO/CoE. There has been a lot of concern over the implementation of this particular regulatory requirement in recent years and there has been much uncertainty about the data requirements and test methodology required. Also it has not been clear whether the appropriate data are generated to allow a satisfactory risk assessment ensuring full and efficient use of the available information (e.g. single-dose vs. dose-response tests). About 60 experts, including representatives from the regulatory authorities of the 15 European member states, participated at the workshop. Important topics discussed and for which recommendations were worked out were among others: selection of indicator species for the 1st testing tier, LR₅₀ determination instead of single rate testing, use of hazard ratios instead of effect values for the first testing tier, how to deal with multiple application products, higher tier risk assessment and risk mitigation, exposure on natural substrates, semi-field and field studies, which species should be tested in the higher tiers, testing requirements for special products, e.g. insect growth regulators, and application patterns, e.g. granules or seed dressings. The agreements made at the workshop will be published as a guidance document and serve as basic document for the implementation of the revised EPPO/CoE risk assessment scheme and the EU guidance document on terrestrial ecotoxicology.

Next meeting of the WG: It will take place **from 18th – 20th October 2000**, at Castelló de la Plana, Spain.

Topics of the meeting will be:

1. Development of standard procedures to test side effects of pesticides on important beneficial organisms (all testing tiers, but especially extended laboratory, semi-field, field); Presentations of new or optimized methods; completion of sequential testing schemes.
2. Test methods for special plant protection products, e.g. IGRs, soil-incorporated granules or seed dressings, special use patterns
3. Results from side-effect tests, especially with new compounds, and their implementation into IPM
4. Duration of effects (natural substrates, exposure under realistic conditions) and implementation into IPM
5. Comparison of results from laboratory, extended laboratory, semi-field and field tests; extrapolation laboratory – field
6. Comparison of effects on glass and different natural substrates

7. Effects of multiple applications of pesticides, of sequences of sprays or of combinations of pesticides. How to test multiple application products in the laboratory/extended/sf-test?
8. Field work: Longterm-effects, recovery of populations, recolonisation of plots; risk mitigation strategies
9. Side effects of biological control agents (e.g. Bt, fungi, viruses) on beneficials
10. Dose response studies
11. Extrapolation of field studies to different regions, different crops: Is this possible?
12. Sublethal effects of pesticides, their significance and acceptability
13. Statistics in side-effect testing

For further information about the Working Group please contact:

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Working Group “Integrated Control in Viticulture”

Meeting of the IOBC/wprs Working Group “Integrated Control in Viticulture” Ponte de Lima, Portugal, 3 – 7 March, 2001

The next meeting of the IOBC/wprs Working Group “Integrated Control in Viticulture will be held from the 3 to 7 march 2001 in Ponte de Lima, Douro Region, Portugal. –The preliminary program schedule:

- 3 march Arrival in Ponte de Lima by plaine to Porto
- 4 march Visit to the Douro Region
- 5-7 march Meeting of the groups
- 8-9 march Symposium of portuguese technicians. Speakers are members of the IOBC/wprs WG.

The objectives of the meeting are new problems and biodiversity in vineyards and new methods of control.

The papers that should be published in an IOBC/wprs Bulletin must be approved by the coordinators of each group. The papers (files) have to be in accordance with the “Instructions to Authors”, which you might download from the IOBC/wprs homepage or order from the convener of the viticulture Working Group.

See you in Ponte de Lima.

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Working Group “Integrated Control of Soil Pests“, Subgroup *Melolontha*

Meeting of the *Melolontha* subgroup of the IOBC Working Group “Integrated control of soil pests“

The third meeting of the *Melolontha* subgroup of the IOBC/wprs Working Group “Integrated control of soil pests“ will be held at

Aosta, Italy, from 24-26 September, 2001.

The meeting will cover the following topics:

1. Biology, distribution, damages
2. Ecology, population dynamics, antagonists, natural regulation
3. Biological control and biocontrol agents
4. Integrated control
5. Other scarab and related soil coleopteran pests
6. Varia

A circular with a preliminary registration form will be sent to all participants of the last meeting, to researchers and research institutes known to work with *Melolontha* or related subjects, to representatives of IOBC and to convenors of related IOBC-working groups. Other people interested to participate at this meeting should contact:

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Working Group "Integrated Plant Protection in Orchards", Subgroup "Soft Fruits"

The 2nd Workshop on "Integrated Production of Soft Fruits" had been organized in cooperation with the "Research Institute of Pomology and Floriculture", Warszawa and the ISHS Working Group "Integrated Fruit Production" in Warszawa / Miedzyszyn (Poland), September 13 – 16, 1999. – Abstracts of most of the presentations can be downloaded or printed from the homepage of the Workshop:

<http://www.isk.skierniewice.pl/ensymifp.htm>

The IOBC/wprs Bulletin 23(11), 2000, containing the papers presented during the workshop is in print. The Contents of the Bulletin you may find beginning on page 45 of this issue of Profile 29.

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Working Group "Use of Pheromones and other Semiochemicals in Integrated Control"

Report (2) of the Meeting of IOBC/wprs Working Group "Use of pheromones and other semiochemicals in integrated control", Hohenheim, Germany, 10 – 12 November, 1999

Increasing restrictions in the registration of conventional insecticides emphasize the need for new, environmentally safe methods of pest control. The "Environmental Action Programme" adopted by the European Union for the year 2000 aims at "the significant reduction in pesticide use per unit of land under production, and conversion to methods of integrated pest control, at least in areas of importance for nature conservation". In Germany, the number of insecticides available for control of fruit insects has been decreasing steadily over the past decade. Even the registration of insect growth regulators widely used within IP farming, such as Insegar (Fenoxycarb), is now being questioned, as these compounds are highly toxic to fish and aquatic invertebrates.

The Hohenheim meeting united participants from academic and government research institutions, plant protection industry and extension services, who are involved in the use and development of pheromonal methods. The emphasis was on fruit- and wine-growing in Central Europe. The abstracts, and the list of speakers and participants is available at "<http://phero.net/iobc/hohenheim/announc2.html>". The proceedings will be published as IOBC/wprs Bulletin.

Mating disruption

In Europe, pheromone-mediated mating disruption is used on ca. 30 000 ha against grape berry moths (*Eupoecilia ambiguella*, *Lobesia botrana*) and on ca. 10 000 ha against codling moth (*Cydia pomonella*). These applications demonstrate the potential of the mating disruption technique for control of these tortricids. For a more widespread use, however, the mating disruption technique must become more reliable and economic. Especially at high population densities, most species cannot be controlled by mating disruption alone.

Pheromone research, funded by the public hand over four decades, has provided the basic knowledge for the development of new pest control techniques. It is important to realize that only continued, goal-oriented research will lead to reliable and more widespread applications. Today, the most important work is done by growers and pest control experts who coordinate and survey the practical use of pheromones.

For future developments, we must put stronger emphasis on a multidisciplinary approach. This can only be achieved if we succeed in intensifying communication and collaboration between research institutions, the chemical industry and extension organizations.

Grape berry moths

The practical use of mating disruption against grape berry moths, *Eupoecilia ambiguella* and *Lobesia botrana*, has previously been restricted to Germany and Switzerland, and to BASF dispenser materials. Walter K. Kast (<http://phero.net/iobc/hohenheim/abstr/kast.html>), FRITZ LOUIS (<http://phero.net/iobc/hohenheim/abstr/louis.html>), and DANIEL ZINGG (<http://phero.net/iobc/hohenheim/abstr/zingg.html>) reviewed the current situation. PIERRE-JOSEPH CHARMILLOT (<http://phero.net/iobc/hohenheim/abstr/charmillot.html>) reported on first attempts to control *E. ambiguella* with a sprayable formulation by 3M, Canada.

Shin-Etsu has recently made an impressive entry with respect to grape moths. LUISA MATTEDI presented first successful trials with *L. botrana* from Trentino, Northern Italy. *Sparganothis pilleriana* is another European grape tortricid, which has recently regained importance. ANNE SCHMIDT-TIEDEMANN (<http://phero.net/iobc/hohenheim/abstr/tiedemann.html>) presented the results of a three-year-study with various experimental dispenser formulations. A 4-component-pheromone blend, formulated in Shin-Etsu ropes, gave reliable disruption of mating in both *S. pilleriana* and *E. ambiguella*.

Codling moth and other orchard insects

In Europe, the largest single application of mating disruption against codling moth, *Cydia pomonella*, is organized in Northern Italy. Growers in other European countries are increasingly interested in mating disruption, due to current problems with insect growth regulators, concerning both environmental issues and insect resistance. Pheromone-mediated disruption of mating, however, is not reliable at high codling moth populations, and a number of other pests including leafrollers are not affected. JUTTA KIENZLE presented trials combining pheromones and other biological methods. Problems with leafrollers re-emphasize the need to consider the dynamics of insect populations in mating disruption experiments. CHRISTINA HAPKE (<http://phero.net/iobc/hohenheim/abstr/hapke.html>) and JUTTA KIRCHERT (<http://phero.net/iobc/hohenheim/abstr/kirchert.html>) presented lab and field tests on BASF's improved dispenser formulations for codling moth. First trials to use mating disruption in allotment gardens were done by REINHARD ALBERT (<http://phero.net/iobc/hohenheim/abstr/albert.html>).

DON THOMSON (<http://phero.net/iobc/hohenheim/abstr/thomson.html>) gave a vivid presentation of the area-wide codling moth mating disruption project in the Northwestern US and British Columbia. Both experience with codling moth in the US and Oriental fruit moth in Canada (MITCH TRIMBLE; <http://phero.net/iobc/hohenheim/abstr/trimble.html>) show that the combined use of pheromones and a reduced insecticide program may be a future strategy for sustainable pest management.

Pheromone lures for detection and monitoring

Pheromone traps are an efficient, inexpensive and specific tool to detect the presence of insects and to monitor their flight period. Pheromone lures are available for virtually all economically important lepidopteran species, from a number of companies – but these lures vary greatly in efficacy. This is due to a varying degree of purity of the starting materials as well as inadvertent changes in dispenser materials, lure composition and dose from one year to the other. The quality control of pheromone lures has been a point of discussion at previous meetings and was highlighted in Hohenheim by STEFAN RAUSCHER'S contribution (<http://phero.net/iobc/hohenheim/abstr/rauscher.html>).

The horse-chestnut leafminer has received much public attention in Europe, due to spectacular damage done to horse-chestnut trees in public gardens. The identification of its sex pheromone was presented by ALES SVATOS (<http://phero.net/iobc/hohenheim/abstr/svatos.html>).

Upcoming meeting of the WG Pheromones

The upcoming meeting at Samos, September 25-29, 2000 marks the 25th anniversary of the Pheromone Working Group. Albert Minks, the founder of the Working Group, will hold the introductory lecture. The meeting covers research on the biology and chemistry of behaviourally active compounds of plant and insect origin. An emphasis is placed on practical applications, but even basic studies, opening new strategies for safe insect control, will be considered.

The meeting will be attended by ca. 100 leading experts, the list of participants and abstracts is being updated at <http://phero.net/iobc/samos/speakers.html>.

The topics of oral and poster presentations reflect increasing interest in pheromones of non-lepidopteran insects, and other semiochemicals, such as plant volatile compounds mediating host-finding in phytophagous insects and plant defence against herbivores. The application of pheromones for control of moths by the mating disruption technique is now well-established, several area-wide mating disruption will be presented, as well as current progress with dispenser technologies.

A point of continuous concern is the registration of pheromones. Funding is not available for an engagement of the scientific community, and the overall low volume of pheromone sales (different compounds used against different species), compared to conventional insecticides, is an obstacle for an engagement of the plant protection industry.

Working Group “Plant Protection in Orchards” and WG “Plant Protection in Stone Fruit”

International Conference on Integrated Fruit Production
Lleida (Spain), October 22-26, 2000

The next biennial meeting of the Working group coincide with the International conference on Integrated Fruit Production that IOBC WGs Integrated Plant Protection in Orchards and Integrated Plant Protection in Stone Fruit organizes together with ISHS WG Integrated Fruit Production every 5 years. The meeting will be held in Lleida (E) from October 22nd to 26th 2000. Local organizer will be Jesus Avilla. Spain has always shown a great interest in stone fruits so we could compare results achieved and common problems.

It will be the occasion to discuss subjects of integrated production with a more complete participation and to verify the situation in the protection of the other fruit crops, too.

In Gödöllő we could enriched with researchers from East and North Europe and I hope that this attention will be maintained also for this new initiative. This will make possible to continue the discussion besides on peach also on subjects concerning plum and cherry that in the last meeting aroused lot of interest.

To have more information you can contact the local organizer Dr Jesus Avilla or the convenor of the WG Stone Fruit:

Prof. Piero Cravedi – Istituto di Entomologia e Patologia vegetale – Facoltà di Agraria – Via Emilia Parmense, 84 – 29100 Piacenza – Italy
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Working Group “Insect Pathogens and Insect Parasitic Nematodes” 8th European Meeting

Athens, Greece 29 May – 2 June, 2001

**“ENTOMOPATHOGENS AND INSECT PARASITIC NEMATODES:
CURRENT RESEARCH AND PERSPECTIVES IN PEST BIOCONTROL”**

in cooperation with COST 842 “Biological Control of Pest Insects and Mites, with Special Reference to Entomophthorales”

Dear Colleagues,

we are in the pleasant position to announce to you the forthcoming 8th biannual European Meeting of the IOBC/wprs Working Group: “Insect Pathogens and Insect Parasitic Nematodes”, which will be held in Athens, Greece, from May 29 to June 2, 2001, in cooperation with COST 842 “Biological Control of Pest Insects and Mites, with Special Reference to Entomophthorales”.

The meeting will include oral presentations, poster sessions and subgroup and working group discussions. Scientific contributions (oral and posters) relating to the concerns of the Working Group are welcomed, as those dealing with COST 842 topics. The Working Group is interested in every group of insect pathogens (Fungi, Bacteria, Viruses, Protozoa ...) and insect parasitic nematodes, especially through its subgroups: Fungi (Convener: Dr G. Zimmermann), Nematodes (Convener: Dr. R.-U. Ehlers) and Viruses (Convener: Dr J. Cory). Special attention would be paid to the safety of microbial insecticides. Contributions will be published in an IOBC/wprs Bulletin.

Preliminary programme:

Monday, May 28: Registration, welcome reception at the Conference Center.
Tuesday, May 29: Official opening. Scientific presentations.
Wednesday, May 30: Scientific presentations.
Thursday, May 31: COST 842 MC meeting, excursion, dinner.
Friday, June 1: Scientific presentations.
Saturday, June 2: Optional 1-day tour.

Accommodation:

The meeting will be held at the Conference Center of Agricultural Bank (AGROTIKI TRAPEZA) located at Kastri, a north suburb of Athens. Accommodation is available at the same place (approx. 60 EURO per day in double room and 45 EURO per day in single room).

Registration fees (including programme and abstracts, coffee breaks, lunches and excursion and dinner on Thursday): approx. 230 EURO.

The organization of the meeting is supported by the Benaki Phytopathological Institute

Local Organizing Committee:

Emeritus Prof. C. Yamvrias, *Agricultural University of Athens.*
Prof. C. Buchelos, *Agricultural University of Athens.*
Prof. D. Lykouressis, *Agricultural University of Athens.*
Dr. I. Pittara, *National Agricultural Research Foundation, Treasurer.*
Dr. H. Menti, *Municipality of Kifissia, Secretary.*
Dr. G. Stathas, *Benaki Phytopathological Institute, Secretary.*
Dr. M. Anagnou-Veroniki, *Benaki Phytopathological Institute, Chairwoman*

On behalf of the Local Organizing Committee,
I am looking forward to seeing you in Athens next year.

Sincerely yours,
Dr Maria Anagnou-Veroniki, Chairwoman

Bernard Papierok (Convener of the WG)
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APPLICATION FORM

IOBC/WPRS Working Group "Insect Pathogens and Insect Parasitic Nematodes", 8th European Meeting, Athens, Greece
29 May – 2 June, 2001

Please send me the second circular for 8th European Meeting of the IOBC / wprs Working Group "Insect Pathogens and Insect Parasitic Nematodes"

NAME:

AFFILIATION:

.....

.....

ADDRESS:

.....

POSTAL CODE:..... COUNTRY:.....

TEL:..... FAX:.....

E-MAIL:

I intend to give an oral presentation yes no

I intend to present a poster yes no

Topic:

.....

Please complete and send the above form, before September 15, 2000 to:

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We plan to send out the second announcement (*including the registration form*) in October 2000.

IOBC/wprs Officers and their addresses

All officers are asked to send corrections and additions to this compilation of addresses to the editor of *Profile* and/or to the treasurer.

1 – Executive Committee

ESBJERG, Prof. Dr. Peter (President), Zoology Section, Royal Veterinary and Agricultural University, Thorvaldsensvej 40, DK-1871 Frederiksberg C., Copenhagen (Denmark), Tel +45-35282686, Fax +45-35282670, e-mail: peter.esbjerg@ecol.kvl.dk
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New IOBC/wprs Publications [Bull. 22(7) – 23 (11), including Contents]

The Publication Commission of the IOBC/wprs has issued the following Bulletins in 1999 – 2000 (including the Contents of the Bulletins).

Please refer to the

IOBC/wprs Website: <http://iobc.ethz.ch>, section *Publications* >> *Bulletins* >> *List of IOBC/WPRS Bulletins*

For issues not listed, see also Profile 28: 27-41, 1999.

<p>The regular prices for the Bulletins are</p> <ul style="list-style-type: none"> – up to 100 pages: 10 EURO per copy – up to 300 pages: 15 EURO per copy > 300 pages: 30 EURO per copy.

Individual Members: Important !

<p>Individual members receive the Bulletins produced by 5 Working or Study Groups of their choice. They may order additional Bulletins by the treasurer:</p> <p style="padding-left: 40px;">IOBC/wprs – The Treasurer Dr. Cesare Gessler Phytomedicine / Pathology Universitätsstr. 2 CH-8092 ETH Zürich (Switzerland)</p>

Bibliographic Database Free on the Web

You and your colleagues may be interested in the Soybean Insect Research Information Center (SIRIC) database that is now available for the first time via the Web.

<http://insectweb.inhs.uiuc.edu/Soy/Siric>

This bibliographic database was established in 1969 by the Illinois Natural History Survey's Center for Economic Entomology to collect and index the world's research literature on soybean-related arthropods. The literature is carefully indexed according to a thesaurus prepared by professional entomologists.

The database may be of interest to those in Agriculture, Crop Science, Entomology, Integrated Pest Management, Natural History and Biology / Zoology.

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You are also welcome to forward copies of your publications on soybean arthropods to SIRIC so we can include them in the database.

Lynn M. Hanson, Librarian
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Environmental and Agricultural Sciences Building MC-637
Urbana IL 61801-4723, USA (Illinois)
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Monitoring Populations of the Carrot Fly *Psila rosae*.

VIII + 108 pp., 27 Figures, 28 Tables. Edited by: S. Finch, J. Freuler & R.H. Collier. Dijon (ISBN 92-9067-110-6), paperback SFR 25,00.

This highly interesting Brochure can be ordered with your Membership-Form. Non-IOBC-Members may order directly by:

Dr. Horst Bathon, Institut für biologischen Pflanzenschutz, Heinrichstr. 243, D-64287 Darmstadt (Germany), Fax 06151/407290, e-mail: h.bathon.biocontrol.bba@t-online.de.

Contents:

Introduction (R.H. Collier)

Monitoring practices established in different countries (J. Freuler, H. den Ouden, B. Jönsson, G. Taskdal & K. Wiech)

Fly behaviour and biology (J. Freuler, & R.H. Collier)

Trap characteristics (J. Freuler, J. Blood Smyth, E. Brunel, R.H. Collier, C.P. Dufault, S. Finch, S. Fischer, M. Loosjes, H. Philipsen & E. Städler)

Trap selectivity (R.H. Collier, E. Brunel, T.H. Coaker, O. Crepin, C.P. Dufault, S. Finch, S. Fischer, J. Freuler, & A. Kahrer)

Trap location (J. Freuler, E. Brunel, R.H. Collier, C.P. Dufault, A. Ester & J.A. Schoneveld)

Application of fly monitoring (J. Freuler, R.H. Collier, C.P. Dufault, P.R. Ellis, A. Ester, B. Jönsson, Ch. Mittaz, J.A. Schoneveld, E. Städler, G. Taksdal & K. Wiech)

Various experiments (J. Freuler, C.P. Dufault & E. Städler)

Discussion (J. Freuler)

Appendix: List of traps used for experimental and monitoring purposes

Other interesting publications brought to attention of Profile

Alford, D., ed. (1999): A Textbook of Agricultural Entomology. – 320 pp., Blackwell Science, £ 39.50 (ISBN 0-632-05297).

Binns, M.R., J.P. Nyrop & W. van der Werf (2000): Sampling and monitoring in crop protection: The theoretical basis for designing practical decision guides. – 304 pp., Wallingford (CABI Publishing), £ 49,95 (ISBN 0-85199-347-8).

Michelsen, J., U. Hamm, E. Wynen & E. Roth (1999): The European market for organic products: Growth and development. – 199 pp., Stuttgart (University of Hohenheim), Organic Farming in Europe. Economics and Policy 7, 24,00 (ISBN 3-933403-06-5). Order from: University of Hohenheim, Institute 410A, D-70593 Stuttgart, e-mail: ofeurope@uni-hohenheim.de

Navon, A. & K.R.S. Ascher, eds. (2000): Bioassays of entomopathogenic microbes and nematodes. – XI+324 pp., Wallingford, Oxtun, UK (CABI Publishing), £ 60,00 (ISBN 0-85199-422-9).

Offermann, F. & H. Nieberg (2000): Economic performance of organic farms in Europe. – 198 pp., Stuttgart (University of Hohenheim), Organic Farming in Europe. Economics and Policy 5, 24,00 (ISBN 3-933403-04-9). Order from: University of Hohenheim, Institute 410A, D-70593 Stuttgart, e-mail: ofeurope@uni-hohenheim.de

Stolze, M., A. Piorr, A. Häring & S. Dappert (2000): The environmental impacts of organic farming in Europe. – 127 pp., Stuttgart (University of Hohenheim), Organic Farming in Europe. Economics and Policy 6, 22,00 (ISBN 3-933403-05-7). Order

from: University of Hohenheim, Institute 410A, D-70593 Stuttgart, e-mail: ofeurope@uni-hohenheim.de
Yu, D.S. & K. Horstmann (1997): A catalogue of world Ichneumonidae (Hymenoptera). – Memoirs of the American Entomological Institute 58: VI + 1558 pp., Gainesville, \$ 190,00 (ISBN 1-887988-02-5). Order from: Publications, The American Entomological Institute, 3005 SW 56th Avenue, Gainesville, FL 32608-50478, USA (Florida), Tel / Fax 001-352-377-6458.

Time-Table of forthcoming events

- 25 – 29 September, 2000: 25th Meeting of the WG “Use of Pheromones and other Semiochemicals in Integrated Control”, Samos, Greece. – Dr. P. Witzgall, e-mail: peter.witzgall@phero.net; Correspondence: Maria Konstantopoulou, Institute of Biology, NCSR “Demokritos”, POBox 60228, GR-15310 Aghia Paraskevi Attikis, Tel +301-6503577, -6503556, Fax +301-6511767, e-mail: mkonstan@mail.demokritos.gr, Web: <http://phero.net/iobc>
- 18 – 20 October, 2000: Meeting of the WG “Pesticides and Beneficial Organisms”, Castelló de la Plana, Spain. – Dr. Heidrun Vogt, BBA, Institute for Plant Protection in Fruit Crops, Schwabenheimerstr. 101, D-69221 Dossenheim, Tel. +49/6221-8680530, Fax +49/6221-8680515, e-mail: Heidrun.Vogt@urz.uni-heidelberg.de
- 22 – 26 October, 2000: International Conference on Integrated Fruit Production, IOBC/wprs WG “Plant Protection in Orchards” and “Plant Protection in Stone Fruit”, Lleida, Spain. – Prof. P. Cravedi, Istituto di Entomologia e Patologia vegetale, Facoltà di Agraria, Via Emilia Parmense, 84, 29100 Piacenza, Italy, Fax +39-523-599235, e-mail: entomo@pc.unicatt.it
- 29 October – 3 November 2000: International Conference on Controlled Atmosphere and Fumigation in Stored Products, Fresno (California), USA. – James Leesch, Tel +1/559/ 453-3090, e-mail: caf@qnis.net, Web: www.qnis.net/caf
- 02 – 05 November, 2000: Meeting of the SG “Pathology of Nematodes” of the Study Group “Integrated Control of Soil Pests”, Einsiedeln, Switzerland. – Dr. Juerg Grunder, Swiss Federal Research Station, CH-8820 Wädenswil, Switzerland, Tel +41-1-783-6336, -6111, Fax +41-1-783-6434, e-mail: juerg.grunder@wae.faw.admin.ch
- 13 – 16 November, 2000: The BCPC Conference Pests & Diseases 2000, Brighton, UK. – BCPC Conference Secretariat, Tel +44-20-72288034, Fax +44-20-79241790, e-mail: conference@bcpc.org, Web: www.bcpc.org
- 16 – 17 November, 2000: 7th Meeting of the IWGO – *Diabrotica* Subgroup, Stuttgart, Germany. – Dr. M. Boehringer, Ministerium Laendlicher Raum Baden-Wuerttemberg, Referat 23, Fax +49/711/1262909 (Deadline: 31 August, 2000)
- 01 – 04 December, 2000: Workshop of the WG “Biological Control of Fungal and Bacterial Plant Pathogens” Biocontrol agents modes of action and their interaction with other means of control. Sevilla, Spain. – Dr. Y. Elad, Dept. of Plant Pathology, The Volcani Center, Bet Dagan 50250, Israel, Tel +972-3-9683580, Fax +972-3-9683688, e-mail: elady@netvision.net.il

2001

- 03 – 07 March, 2001: Meeting of the IOBC/wprs Working Group “Integrated Control in Viticulture”, Ponte de Lima, Portugal. – Prof. G.C. Lozzia, Università degli Studi di Milano, Istituto di Entomologia agraria, Via G. Celoria, 2, 20133 Milano (ITALY), Tel 02-23691927, Fax 02-26680320, e-mail: carlo.lozzia@unimi.it
- 22 – 27 April, 2001: International Symposium sponsored by the British Mycological Society “Bioactive Fungal Metabolites - Impact and Exploitation”, Swansea (University of Wales), UK. – Dr. Tariq M. Butt, School of Biological Sciences, University of Wales Swansea, Singleton Park, Swansea SA2 8PP, UK, Tel +44 (0)1792 295374, Fax +44 (0)1792 295447, e-mail: T.Butt@swansea.ac.uk
- 26 – 28 April, 2001: Meeting of the Study Group „Induced Resistance in Plants Against Insects and Diseases“, Wageningen, The Netherlands. – Dr. Annegret Schmitt, BBA, Institute for Biological Control, Heinrichstr. 243, D-64287 Darmstadt, Germany, Tel +49 (0) 6151-407241, Fax +49 (0) 6151-407290, e-mail: anne.schmitt.biocontrol.bba@t-online.de.
- 8 May, 2001: 53rd International Symposium on Crop Protection, Gent, Belgium. – Prof. Dr. P. De Clercq, General Secretary, Dept. of Crop Protection, Faculty of Agricultural and Biological Sciences, University of Gent, Coupure Links 653, B-9000 Gent, Belgium, Fax +32/ 92646239, e-mail: Patrick.Declercq@rug.ac.be, Homepage: <http://allserv.rug.ac.be/~hvanbost/symposium> (The homepage will be updated in September.)
- 14 – 17 May, 2001: International Symposium on Parasitic Hymenoptera: Taxonomy and Biological Control, Kőszeg, Hungary. – Organizer: Systematic Parasitoid Laboratory, 9730 Kőszeg, Kelcz-Adelffy u. 6, P.O.Box 34, Hungary, Tel +36-94364191, Fax +36-94364190 e-mail: chalcini@savaria.hu
- 29 May – 02 June, 2001: 8th European Meeting of the WG “Insect Pathogens and Insect Parasitic Nematodes” in cooperation with COST 842 “Biological Control of Pest Insects and Mites, with Special Reference to Entomophthorales, Athens, Greece. – Dr B. Papierok, Institut Pasteur, 25, rue du Dr. Roux, F-75015 Paris, France, Tel +33-145688226, Fax +33-140613044, e-mail: papierok@pasteur.fr

- 02 – 05 August, 2001: IOBC/NRS International Symposium “The Practice of Biological Control: Importation and Management of Natural Enemies in the New Millenium”, Bozeman (Montana State University), Montana, USA.
 – Tim Kring (University of Arkansas), Tel ++1-575-3186, e-mail: tkring@comp.uark.edu
 14 – 18 September, 2001: General Assembly IOBC/wprs, Monte Verità, Ascona, Switzerland.
 24 – 26 September, 2001: 3rd Meeting of the “*Melolontha* SG” of the IOBC/wprs Working Group “Integrated Control of Soil Pests”, Aosta, Italy. – Dr. Siegfried Keller, Federal Research Station for Agroecology and Agriculture, Postfach, CH-8046 Zurich, Switzerland, e-mail: siegfried.keller@fal.admin.ch

Next Issue of Profile

Profile depends on your contributions. It is your opportunity to let others know what is going on in your special field of interest in biological and integrated control, in your Working Group or Study Group. Take a few minutes and mail, fax or even better e-mail to the Editor. Your contributions especially should refer to

- forthcoming events (e.g. meetings of the working groups). Because *Profile* is issued only twice a year, please let me know the dates of meetings at an very early stage of planning and preparing!
- reports on IOBC/wprs meetings (these are of special interest to those members not attending the meetings)
- informations on new books related to biological and integrated control and basic research in these fields
- biocontrol news (e.g. new pests in the IOBC/wprs region, new introductions and releases of beneficials, important news on commercial biocontrol products)
- new research activities

The winter-issue of *Profile* (number 30) will be edited in December 2000 / January 2001. Please send your contributions for this issue of *Profile* to me at the latest:

1 December, 2000,

but don't hesitate to contact me long before this deadline!

Please send your contributions by e-mail (preferably), mail or fax to:

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SG “Induced Resistance in Plants ...” – First Meeting	8
WG “Biological Control of Fungal and Bacterial Plant Pathogens” – Presentation and Meeting	11
WG “Integrated Control in Protected Crops, Mediterranean Climate” – Meeting	15
WGroup “Integrated Protection of Stored Products” – Report	17
SG “Integrated Control of Soil Pests – SG Pathology of Nematodes” – Meeting	18
SG “Integrated Control of Soil Pests” – Report	20

2002

11 – 17 August, 2002: 26th International Horticultural Congress & Exhibition, Toronto, Canada. – IHC2002 c/o Congress Canada, 49 Bathurst St., Suite 100, Toronto, Ontario, CANADA; M5V 2P2. Tel +416/504-4500, e-mail: IHCreg@congresscan.com, Web: www.ihc2002.org.