

# sip

# newsletter

## society for invertebrate pathology

Volume 19, Number 1  
February 1987

### SOCIETY FOR INVERTEBRATE PATHOLOGY

#### ANNUAL MEETING

UNIVERSITY OF FLORIDA, GAINSVILLE, FLORIDA, USA.

The 1987 annual meeting of the SIP will take place at the University of Florida, Gainesville, Florida, between July 20-24. Registration will take place on Monday (July 20), and formal meetings will start Tuesday, (July 21) and end on Friday (July 24) at noon.

#### CALL FOR PAPERS, POSTERS AND ABSTRACTS.

Papers for the Contributed Paper Sessions and Poster Sessions for the SIP Meeting (see Information Folder enclosed with this newsletter) are being solicited. Those who intend to present papers are urged to prepare their talks carefully (and, if necessary rehearse the presentation), so that they do not exceed the 12 minutes allowed. Three minutes will be allotted for discussion following the presentation of each paper. Projection facilities for the standard 2" x 2" (5 x 5 cm) slides will be available, and overhead projectors can also be provided if necessary.

For posters, Boards will be approximately 4' x 4' (1.3 x 1.3 m). Please plan to man your poster for at least one hour.

A blank guide for preparing abstracts is enclosed with this issue of the Newsletter. Instructions are printed on the reverse; please follow them carefully. The Abstracts will be prepared by direct reproduction of material submitted by each author. Their will be no editing of the author's copy. Thus, every error which appears in the submitted abstract will also appear in the printed Abstracts. Poorly typed and improperly prepared abstracts, unsuitable for reproduction, will not be printed. Because of the various deadlines there will be no time for returning abstracts to authors for retyping.

Please send your abstract so as to reach the following address no later than April 1, 1987:

Dr. D.G. Boucias  
Program Committee, 1987 SIP Meeting,  
Entomology and Nematology Department,  
Entomology Laboratory,  
Bldg 339, Archer Road,  
Gainesville,  
Florida 32611, USA.

#### REGISTRATION.

Registration details are given in the enclosed brochure. Please note the caveat with regard to early registration in order to ensure yourself a place at the Meeting.

#### ACCOMMODATIONS.

Special room rates have been arranged with the various hotels and motels mentioned in the brochure, but be sure to make reservations BEFORE JUNE 15, and to specify that you are attending the SIP meeting when you make your registration. I am advised that Rush Lake Motel does in fact have a swimming pool, in spite of the note in the brochure. However, all Conference registrants, including those housed off Campus, will be able to make full use of the Campus athletic facilities, which include swimming pools and tennis courts.

Shuttle bus service from off-campus accommodation to the University will be provided.

#### WEATHER AND CLOTHING.

The weather in central Florida in July is hot (typically 80 - 90F (25 - 30C)) and humid, with a 30 - 60 minute rain or thunder shower in the early afternoon. Bring your swimwear! All meetings facilities, hotels, etc are air conditioned.

#### FLIGHT INFORMATION.

Gainesville Airport is serviced by Piedmont and Eastern Airlines via Atlanta. Ground transportation is available by taxi, but the local arrangements committee will attempt to meet incoming flights immediately prior to the Meeting. If you have special requirements, please inform the committee, giving details of your flight arrival time.

Gainesville may also be reached via Jacksonville, Orlando and Tampa Airports, all of which are within 90 minutes driving time of Gainesville. Shuttle bus service is available from Jacksonville. Car rental rates are very reasonable in Florida (\$60 - 90 per week), any anyone arriving at these latter airports may wish to hire a car for the duration of the meeting and drive to Gainesville. If so, please make your own arrangements through your travel agent.

ROAD RACE AND BARBECUE.

The fifth annual SIP 5 km race and the barbecue will both be held at Blue Springs, a privately owned park about 40 minutes drive from Gainesville. The race will be held over a combination of roads and trails within the park, and racers will no doubt want to join the rest of the company in a refreshing swim in the crystal clear 70F (21C) spring waters after the race. The springs vary in depth from 10 to 50 feet and are ideal for snorkeling and skin diving. A sand beach is available for the children and other facilities such as softball and volleyball fields are nearby. The park is about 40 minutes drive from Gainesville.

Entry fee for the race is \$6.00 and entry forms are included in the newsletter, together with order forms for souvenir T-shirts. Racers automatically qualify for a T-shirt - the less mobile of us may also purchase a T-shirt on payment of the \$6.00 fee.

Please send your race entry/T-shirt order together with the entry fee to:

Dr. A.H. Undeen  
USDA, Insects affecting Man Laboratory,  
P.O. Box 14565,  
Gainesville,  
Florida 32604, USA.

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SIP Newsletter

The SIP Newsletter is produced four times a year by the Society for Invertebrate Pathology. Annual dues (U.S. funds) in the Society are: regular members, \$11.00; and students, \$4.00. Members receive the SIP Newsletter and a copy of the abstracts of all SIP Annual General meetings free, whether or not they attend. Application forms for membership in the Society may be obtained from the Treasurer, Dr. Robert R. Granados, Boyce Thompson Institute, Cornell University, Tower Road, Ithaca, New York 14853, U.S.A.

Council Officers of the Society are:

- President ..... John C. Harshbarger, USA
- Vice President ..... Donald W. Roberts, USA
- Past President ..... H. Denis Burges, England
- Secretary ..... Ann Cali, USA
- Treasurer ..... Robert R. Granados, USA
- Trustees ..... Christopher J. Bayne, USA
- John A. Couch, USA
- Brian A. Federici, USA
- Christopher C. Payne,  
  England

Send news items and other contributions to:

David Tyrrell, Editor  
SIP Newsletter  
Forest Pest Management Institute  
Canadian Forestry Service  
P.O. Box 490  
Sault Ste. Marie, Ontario, Canada P6A 5M7

DEADLINE NEXT ISSUE: April 25, 1987

CROP BREEDING FOR IMPROVING MICROBIAL CONTROL OF INSECT PESTS.

Breeding plants resistant to insect pests is commonly based on the selection of crop varieties which exhibit chemical and physical barriers to the pest, or morphological characteristics facilitating chemical control. An example of the latter is the control of *Heliothis* spp. and the boll weevil through the breeding of frego-bract cotton. In this cultivar, the bracts are narrow and twisted, in contrast to the normally flattened bracts that help closing the flower buds and bolls. As a result, the normally sheltered insect is more exposed to predation and pest control products. The use of frego types may thus be extended to improve microbial control against mining *Heliothis*.

Chemical and physical leaf surface barriers may depress the pest population, mostly by reducing the insect's feeding capacity. This effect on the pest will, in turn, reduce the effectiveness of entomopathogens (e.g. insect viruses and *Bacillus thuringiensis* preparations) applied to the phago-deterrent plant. Increasing the microbial field application rate to compensate for poor ingestion of the pathogen may exceed the limits of economic feasibility. This problem would also been relevant to common commercial cotton varieties. In this connection, we recently reported at the ICIP conference in Veldhoven that the natural leaf surface alkalinity of *Gossypium hirsutum* var. Acala SJ-2 induced *Spodoptera littoralis* larvae to feed considerably less than on leaves with a surface pH neutralized by washing. In addition to this plant antibiosis, several authors have reported that the leaf surface alkalinity inactivates insect viruses. Both effects suggest that microbial control may be favored by selecting a cotton cultivar with a lower leaf surface pH. The above examples stress the impact which plant breeding may have on the development of microbial control programs against agricultural pests.

Amos Navon  
Department of Entomology,  
Agricultural Research Organization,  
The Volcani Center,  
Bet Dagan, Israel.

UPCOMING MEETING

7th International Symposium on Freshwater Crayfish  
3-5 August 1987, Lausanne, Switzerland

For details, contact:

Prof. Pierre Goeldin,  
Musee Zoologique,  
Palais de Rumine,  
Place de la Riponne 6,  
P.O. Box 448,  
CH-1000 Lausanne 17,  
Switzerland

NEW PUBLICATION.

A CATALOGUE OF VIRAL DISEASES OF INSECTS, MITES AND TICKS. Fourth edition, revised. Mauro E. Martignoni and Paul J. Iwai, USDA Forest Service General Technical PNW-195, 1986. 51 pages.

This comprehensive catalogue of viral diseases of arthropods updates the Third Edition, published in 1981. The new revised Edition lists over 1100 species of insects, mites and ticks, each reported to have one or more of 22 viral diseases or disease groups, for a total of 1690 host-virus records. As in previous editions, the catalogue consists of two parts: a list of hosts arranged by taxonomic categories and an alphabetical list of hosts arranged by their specific names.

Copies of the CATALOGUE are available from: Publications, USDA, Pacific Northwest Research Station, P.O. Box 3890, Portland, Oregon 97208, USA, or from: Dr. Mauro E. Martignoni, P.O. Box 991, Corvallis, Oregon 97339, USA.

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OBITUARIES

PROFESSOR GEORGE BALOUEZ.

Professor George Balouet, medical doctor and chef du service of the department of human pathology at the Centre Hospitalier Regional and Universitaire de Brest, died of an illness at his home in Plougastel (Bretagne, France), on September 4, 1986 at the age of 54. Prof. Balouet's primary occupation and expertise was in human pathology, but his outside research interests lay in the pathology of marine fish and shellfish. He believed that each discipline could benefit from the other.

He began his work in invertebrate pathology partly at the request of oyster aquaculturalists in Brittany, whose flat oysters were suffering severe losses due to *Marteilia* and *Bonamia* parasites. His monitoring of the oyster beds took on even greater value after the Amoco-Cadiz oil spill near Brest. He and his co-workers have surveyed fish and shellfish populations for parasites and tissue abnormalities ever since that 1978 catastrophe. Their efforts have led to several important descriptions of parasites and tumors in marine fish and shellfish and several learned publications on host-parasite relationships, effects of oil pollution on marine life, tumoral processes and host inflammatory responses.

As a mammalian, fish and invertebrate pathologist, Prof. Balouet had the unique ability to see similarities and differences in parasite and tumor pathology over a broad range of organisms. This breadth provided him with a desire to pursue topics in comparative tumor pathology, which took shape and substance in 1984 when he organized the first Tumor Symposium at the SIP meetings in Davis, California. Those of us who attended this initial meeting could not fail to recognize the enthusiasm he had for his subject. The very successful Tumor Symposium held recently in Holland, although not attended by Prof. Balouet, was partly the fruit of his efforts.

Prof. Balouet was a man of great ability and energy. Outside of his occupational career, he was an active member of several scientific societies, including the Society for Invertebrate Pathology, European Society for Fish Pathologists, and the Conseil International pour l'Exploration de la Mer Workgroup on Pathology in Marine Organisms. For his work he received the honor of 'Chevalier de l'Ordre National du Merite'. But he was also a man who brought warmth, humor and human concern into his laboratory. His efficient, patient and fair leadership was respected and appreciated by his friends, colleagues and employees at the hospital.

Prof. Balouet, his wife Annie and their six children often served as gracious hosts to visiting scientists and friends. The informal and lively ambiance at their home overlooking the Rade du Brest gave their frequent guests a sense of home and family. Prof. Balouet was recognized internationally as an astute and experienced scientist, medical doctor and teacher. But he will also be remembered as a caring and supportive man who had a wide variety of interests, undaunted enthusiasm and integrity.

Submitted by M. Auffret, F. Baudin-Laurencin and W. S. Fisher.

W.A. RAMOSKA.

William A. Ramoska, an associate professor of entomology at Kansas State University, died Nov. 11, 1986 after a brief illness. He had recently returned from a sabbatical at the Boyce Thompson Institute, New York, where he studied the fungal pathogens of grasshoppers and cinch bugs, subjects closely related to his work at Kansas State.

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FIFTH ANNUAL SIP 5 KM RACE.

Wednesday, July 22nd, 4.00 pm, Blue Springs Park.

\$6.00 entry fee includes the price of a souvenir T-shirt.  
Please enclose this fee with the completed entry form and  
mail to the address at the bottom of this sheet.

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Age group under 40 \_\_\_\_\_ Sex M\_

40 and over \_\_\_\_\_ F\_

T-shirt size (men's) S\_ M\_ L\_ XL\_

I intend to participate in the race. I affirm that I am in proper physical condition to participate in this race and in consideration of the acceptance of this entry hereby release sponsor officials and organizers of this race and the owners and operators of Blue Springs from all claims of injury or damage to person or property, including death, resulting from my running in this event.

Signature \_\_\_\_\_

I would like a souvenir T-shirt but I do not wish to enter the race.

Signature \_\_\_\_\_

Return this form together with the entry/T-shirt fee of \$6.00 to:

Dr. A.H. Undeen,  
USDA, Insects affecting Man Laboratory,  
P.O. Box 14565,  
Gainesville,  
Florida 32604, USA

## INSTRUCTIONS TO AUTHORS

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1. Use a typewriter, preferably electric with a carbon ribbon. If such a typewriter is unavailable, use a typewriter with as new a ribbon as possible.
2. Place the enclosed abstract template under a blank typing sheet and insert in the typewriter. The dark lines will show through the usual grades of typing paper.
3. Single space all typing. The title, authorship and text must be within the boxes as outlined on the template. Leave no top or left margin within the boxes. Type only within the space outlined in the template.
4. The Style Manual for Biological Journals, published by the American Institute of Biological Sciences, should be used as a guide to abbreviations and symbols. Proprietary and trade names must be accompanied, at first mention, by the established or generic names. When using abbreviations for compounds, the name must be spelled out in full at the first mention.
5. REMEMBER! Your abstract will be printed exactly as submitted. Any smudges, errors and misspellings on your copy will also be evident in the printed Abstracts.
6. Poorly typed and improperly prepared abstracts, unsuitable for direct reproduction, will not be printed. Because if the various deadlines there, will be no time for returning the abstracts to authors for retyping. Therefore, please follow the instructions closely.
7. Send your abstract so as to reach the following address no later than April 1, 1987:  

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Bldg 339, Archer Road,  
Gainesville,  
Florida 32611, USA,
8. Enclose a self-addressed envelope with your abstract if you wish acknowledgment of the receipt of the abstract.