



NEWSLETTER

society for invertebrate pathology

VOLUME 36, NUMBER 1

February, 2003



**36th Annual Meeting of the
Society for Invertebrate Pathology
Radisson Hotel, Burlington, Vermont**

July 25- 31, 2003

The 36th annual meeting of the Society for Invertebrate Pathology will be held at the beautiful Radisson Hotel in Burlington Vermont. Burlington is located in northwestern Vermont on the shores of Lake Champlain, and is bordered by the Adirondack Mountains to the west and the Green Mountains to the east. Many attendees of the conference in Burlington may wish to arrive early or extend their stay to experience what National Geographic Traveler calls one of the 50 “Places of a Lifetime”.

Location: Directly on the shores of Lake Champlain, with spectacular views of New York’s Adirondacks and Vermont’s Green Mountains Burlington is a great place to visit and experience “Summer in New England”. The Radisson Hotel in Burlington is a President’s Award winning hotel

with over 250 guest rooms many of which feature stunning lake and mountain views. The recently refurbished Radisson has over 16,000 square feet of meeting and banquet facilities that can accommodate from 10 to over 600 people. The hotel is located downtown, right on Lake Champlain, only minutes from Church Street offering easy access to shopping and dining as well as breathtaking views of the sunset on the lake from The Seasons on the Lake Restaurant or the lawn of The Garden Terrace.

Burlington is located just off Interstate 89 in Vermont and is easily accessible by car. Montreal is only 97 miles away, Boston 223 miles, and New York about 300 miles, all within driving distance through the beautiful New England countryside. The Burlington International Airport is only 10 minutes from downtown and handles over 450,000 passengers annually, making it the third most traveled airport in New England. It has daily commercial service between: Boston, New York

TABLE OF CONTENTS

36th Annual Meeting, Burlington, Vermont, USA.....	1
Announcements for SIP2003.....	4
Student Travel Awards.....	4
From the President	6
Division Minutes.....	7
Announcements.....	9
Microbial Control News.....	12
Member News	13
Obituaries.....	13
Positions Available.....	14
Positions Wanted.....	15
Publications.....	16
Future Meetings and Workshops.....	16
Editor’s Notes	18
SIP 2001 Photos	19

Deadline for the next Newsletter is June 1 2003.

SIP Office

Please send all correspondence, membership applications and changes of address to our Executive Secretary, Margaret (Peg) Rotstein at:

Society for Invertebrate Pathology
7413 Six Forks Road, #114
Raleigh, NC 27615
USA

Toll Free Tel: 1-888-486-1505
Toll Free Fax: 1-888-684-4682
Internet: sip@sipweb.org
Homepage: <http://www.sipweb.org>
Outside USA Tel and Fax: (919)-841-4133

Note: Toll Free numbers for Canada & USA only

City (JFK & LaGuardia); Newark, New Jersey; Washington Dulles; Detroit; Philadelphia; Pittsburgh; Chicago; Cincinnati; and Cleveland provided by United Airlines, USAirways, Continental Airlines, Delta, JetBlue, and Northwest Airlines. Additional service including direct international flights can be booked through the Montreal airport located less than 100 miles from Burlington.

Weather in Burlington. July and August are two of the best months to enjoy Vermont's natural splendor. The average temperatures for Burlington in July and August are a very pleasant 67° to 77° F.

Scientific Program. This year's program will follow the format of the meetings in the Netherlands. The meetings will start on Saturday evening July 26th with a mixer and continue with a full scientific program on Sunday through Wednesday. Scientific presentations will be conducted throughout the meeting, including symposia and contributed papers. Contributed papers are being solicited on all topics related to invertebrate pathology. Two poster sessions are tentatively scheduled for Sunday and Monday. The Division business meetings are slated for Sunday evening, and the Society's business meeting will be held on Wednesday morning. Student competitors will be limited to one presentation each (either a poster or a contributed paper, but not both).

SIP NEWSLETTER

Published by

The Society for Invertebrate Pathology
(SIP Homepage: "<http://www.sipweb.org>")

Dr. Leellen (Lee) Solter, Editor
Illinois Natural History Survey
607 E. Peabody Drive
Champaign, IL 61820 USA
Tel: 217-244-5047 (or 5115); Fax: 217-333-4949
Internet: lsolter@uiuc.edu

Dr. Gernot Hoch, Assistant Editor
Institute of Forest Entomology, BOKU Wien
Hasenauerstrasse 38
1190 Wien, Austria
Tel: ++43 1 / 3686352-33 Fax: ++43 1 / 3686352-97
Internet: hoch@ento.boku.ac.at

Dr. Vince D'Amico, Assistant Editor
USDA Forest Service, NERS
UDEL, Entomology & Appl. Ecology
Newark, DE 19717
Tel: 610-368-4289; Fax: 302-831-8889
Internet: vdamico@fs.fed.us

The SIP Newsletter is published 3 times per year and is available on our homepage.

Submissions to the following sections are solicited:

Forum: More substantial articles on current issues of concern, limited to approximately five pages.

Letters to the Editor: Issues of concern can be brought to light here.

Microbial Control News: Information on new discoveries, "News Releases", formation of companies, etc., pertaining to microbial control.

We also depend on our members to supply us with information for the following sections: **Obituaries, Member News** (Retirements, Awards, Promotions), **Members on the Move** (New Addresses), **Positions Available/Wanted, Meeting and Workshop Announcements**, and other **News Items**.

Send all submissions directly to the Editor. Submissions via e-mail or on computer disk (MSWORD, if possible) streamlines publication and saves on costs. Please include a hard copy with any text sent via computer disk.

Deadline for the next Newsletter is June 1, 2003.

Disclaimer: The information contained herein, including any expression of opinion, and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon, does so entirely at his/her risk.

Symposia. The following is a tentative list of symposia and workshops:

Diseases and pathobiology of aquatic invertebrates
 Challenges to the use of a fungus for control of Acari
 Conservation microbial biocontrol
 Host altered behavior: Host mediated or pathogen induced
 Multitrophism in invertebrate pathology systems
 Pathogen-host interactions
 Bt spray products
 Mode of action of Cry toxins
 Mode of action of non-Bt toxins
 Baculovirus genomics and evolution
 Microbial control products: What's in the pipeline?
 A comparison of industrial-scale vs. cottage industry-scale production of microbial pesticides
 Genomics of entomopathogenic nematode-bacterium complexes
 Microbial control of social insects
 Epizootiological modeling

Deadline for abstracts. April 4, 2003.

April 4 will be the deadline for the receipt of abstracts for the symposia, contributed papers, poster and other program information. This deadline will allow the Program Committee to prepare the program and have it ready in time to distribute the program and abstracts to SIP members via the SIP web site. Abstracts received after the deadline will not be printed and late submissions will be scheduled as posters if space permits. The Program Committee reserves the right to request that some contributed papers be presented as posters although this will only be done if absolutely necessary. The printed Program and Abstract book will be available only to those registered for the meeting or to those requesting copies through the SIP Office.

The Program committee solicits your contributions of abstracts for the meeting presentations. Instructions for abstracts will be available at the meeting web site that will be linked to the SIP web site (www.sipweb.org) after March 1st. Oral presentations will be limited to 12 minutes with an additional 3 minutes for answering questions. Because of concurrent sessions, moderators will be instructed to keep to the scheduled times. Digital projection equipment will be available but be prepared to present using Kodak carousel slide projectors (2" x 2") or overhead transparencies as backups.

Deadline for registration: May 30 is the absolute deadline for early paid registration. The registration fee includes access to the scientific and social program, Program and Abstract book, mixer, barbecue, conference dinner, and refreshments during the conference and transportation during the conference.

Cancellation policy. Cancellations are only accepted before July 11, 2003. After July 11, returns cannot be guaranteed due to commitments to the conference organizers.

Social Program. The social events for this year's meeting will begin on Saturday evening with the mixer from 5:00 until 8:00 pm. The 5K race is scheduled for Tuesday at noon followed by a tour of the Magic Hat Brewery, a cruise on Lake Champlain and a waterfront barbeque. The 5K race awards will be presented at the barbeque.

The Society banquet will be held at the Radisson Hotel on Wednesday evening. Student awards and the Founder's lecture award will be presented at the banquet.

Invitations. Those requiring invitations for obtaining visas, or funds to travel to the meeting should contact the Conference Customer Service Specialist Donna O'Brien, e-mail: Donna.O'Brien@uvm.edu; Tel. (800) 639-3210 or 802.656.5817

Dates to Remember:

Deadline for submission of abstracts:

April 4, 2003

Deadline for early registration: May 30, 2003

Deadline for cancellation: July 11, 2003

Contacts:

John Burand
 Local Arrangements Committee Chair
 E-mail: Jburand@microbio.umass.edu

Ann Hajek
 Program Committee Chair
 E-mail: aeh4@cornell.edu



Radisson Hotel, Burlington, Vermont

MEETING ANNOUNCEMENTS

Industry Update Workshop

The Microbial Control Division will hold an industry update workshop at SIP meeting this year in Burlington, VT (July 26-31). Industry representatives are invited to present information on recent developments in microbial control products. If you have new product information to present, contact:

Jeff Lord

Phone: (785) 776-2705

Fax: (785) 537-5584

E-mail: lord@usgmlr.ksu.edu

Short Course in Invertebrate Pathology

The Division on Microbial Control in association with the University of Vermont will be offering a short course on Invertebrate Pathology at the Society's Annual Meetings in Burlington this year. The exact date and duration of the course will be determined soon, but it is certain to take place during the SIP meetings. Registrants need not worry about conflicts with other presentations at the Annual Meetings. Registration fees will include costs of selected textbook(s) and will provide the registrants the opportunity to obtain these textbooks at a much reduced student rate. We are presently compiling a list of textbooks for the course and will provide students with the opportunity to pre-select several textbooks of their choice. Details and registration information will be made available on the Society's website (www.sipweb.org) in due course. Registration will be via a web-based registration process and prepayment via credit card will be required.

Michael Brownbridge

Mark Goettel

STUDENT TRAVEL AWARDS

The Society for Invertebrate Pathology offers a variety of financial awards to support student travel to the annual meeting. General instructions for all applicants are printed directly below. Descriptions of each of the individual awards, and specific requirements for each appear at the end of this announcement.

General Guidelines (applies to all awards):

- Deadline for submission of all awards is April 1, 2003. Students will be notified of the judges' decisions by May 1, 2003.
- Applications should be submitted to the contact person listed for each of the awards (see below).
- Applicants must be students enrolled in a university degree program.
- Membership in SIP or in any specific Division is not required.
- A student may apply for more than one award in a single year. However, while students meeting all requirements will be *considered* for multiple awards, they will be *eligible to receive only one travel award per year*.
- Each student will be eligible to receive the Martignoni Award only once in their career. Eligibility to receive Divisional awards more than once will be determined by each Division independently.
- Awards will be presented at the annual meeting in Burlington Vermont; however, if the award money is needed for travel, arrangements may be made for receiving the funds in advance.

General Instructions (applies to all awards):

- Please note: E-mail applications are strongly preferred
- Each submission should include:
 1. Curriculum Vitae. This should include the applicant's name, address, institution, earned degrees, current degree program, honors and awards, research experience, a list of publications and previous presentations.
 2. A short biographical sketch and description of scientific interests and goals
 3. A letter from the supervisor providing a recommendation, verification of student status, and confirmation that the research being presented is conducted by the student
 4. Presentation abstract: The application must include a one-page summary of the

presentation include title, authors and affiliations (this may be the abstract submitted to the Annual Meeting Program Committee). The student's research contribution represents one of the most important selection criteria. Therefore, the abstract should be crafted with care, succinctly describing the research, rationale, any unusual or novel methods, and the principal results. The abstract should conclude with an explanation of the significance of the research findings based on sound interpretation of the results.

Awards available for 2003:

Mauro Martignoni Student Travel Award

Description: All students of invertebrate pathology are invited to compete for the third annual Mauro Martignoni Student Travel Award. An award of US\$500 will be presented to support travel to the 2003 meeting in Burlington, Vermont. The recipient is required to submit an abstract and give an **oral presentation based on his or her own work**. The subject matter may relate to any area of invertebrate pathology or microbial control. Students submitting oral presentations to a Division will also automatically be considered for the Martignoni Award.

Contact: Dr. Stephen Wraight, Chair, Awards and Student Contest Committee. E-mail: spw4@cornell.edu. Mailing address (only if e-mail is not possible): USDA ARS BCPRU, US Plant Soil & Nutrition Lab, Tower Road, Ithaca NY 14853, U.S.A.

Bacteria Division Student Travel Award

Description: The Bacteria Division announces one US \$ 500 travel award to support part of the travel costs of a student who will attend the 2003 SIP Annual Meeting in Burlington, Vermont, but who has difficulty affording these expenses. Students from any country and any SIP Division are eligible. The recipient will be required to present either an oral or a poster communication as first or second author in the areas of invertebrate bacteria, bacterial products or related topics, including transgenic plants and interactions with other microbial agents, plants and invertebrates, etc.

Contact: Dr. Jean-Louis Schwartz, Chair, Bacteria Division, e-mail: jean-louis.schwartz@umontreal.ca Mailing address (only if e-mail is not possible): Dr. Jean-Louis Schwartz, Network Leader,

Biocontrol Network, Université de Montréal, C.P. 6128, succursale Centreville, Montreal, Quebec, Canada, H3C 3J7

Fungi Division Student Travel Award

Description: The Fungi Division will award one US\$500 travel award to help a research student attend and present at the 2003 SIP meeting in Burlington, Vermont. The student award recipient is expected to make a presentation (oral or poster) on their research and the subject matter should pertain to invertebrate mycology.

Contact: Dr. Richard Humber, SIP Fungi Division, e-mail: rah3@cornell.edu Mailing address (only if e-mail is not possible): USDA ARS, US Plant Soil and Nutrition Lab, Tower Road, Ithaca, NY 14853, U.S.A.

Microbial Control Division Student Travel Awards

Description: The Microbial Control Division will award two US\$500 travel awards for attendance and presentation of research at the 2003 SIP meeting in Burlington, Vermont. The student award recipient is expected to make a presentation (oral or poster) and be the first or second author. The subject matter of the presentations should pertain to applied microbial control of insects.

Contact: Dr. Kerstin Jung, SIP Microbial Control Division, e-mail: k.jung@bba.de. Mailing address (only if e-mail is not possible): Federal Biol. Res. Centre, Inst. For Biol. Control, Heinrichstr. 243, Darmstadt D-64287 GERMANY

Microsporidia Division Student Travel Award

Description: The Microsporidia Division announces a \$500 Student Travel Award for the 2003 SIP meeting in Burlington, Vermont, USA. Students are asked to follow the procedures outlined in this Newsletter for student travel awards. Applications will be accepted for both oral and poster presentations on subject matter related to microsporidia or pathogenic Protozoa.

Contact: Dr. Lee Solter, e-mail: l-solter@uiuc.edu Mailing Address (only if e-mail is not possible): Illinois Natural History Survey, 140 NSRC, Box 18, 1101 W. Peabody Dr., Urbana, IL 61801 USA.

Nematode Division Student Travel Award

Description: The Nematode Division announces a \$250 Student Travel Award for the 2003 SIP

meeting in Burlington, Vermont, USA. Students are asked to follow the procedures outlined in this Newsletter for student travel awards. Applications will be accepted for both oral and poster presentations on subject matter related to nematodes and/or their bacterial symbionts.

Contact: For further questions contact: S. Patricia Stock, Nematode Division Chair, e-mail: spstock@ag.arizona.edu, Mail (only if e-mail is not possible) Department of Plant Pathology, Forbes 204, The University of Arizona, 1140 E. South Campus Dr, Tucson, AZ 85721-0036, Phone: (520) 626-3854

Virus Division Student Travel Award

Description: The Virus Division of SIP will award a US\$200 travel award for attendance and presentation of research at the 2003 SIP meeting in Burlington, Vermont. The student award recipient is expected to make a presentation (oral or poster) and be the first or second author. The subject matter of the presentations should pertain to viruses of invertebrates.

Contact: Dr. John P. Burand, Virus Division Chair, e-mail: jburand@microbio.umass.edu. Mailing address (only if e-mail is not possible): Department of Entomology, Fernald Hall University of Massachusetts – Amherst, Amherst, MA 01003 USA

FROM THE PRESIDENT



The fall and winter have been a busy time for all SIP'ers. Many members of the Society are actively organizing the 36th Annual Meeting of the Society for Invertebrate Pathology in Burlington, Vermont (July 26 to 31). John Burand and his committee are working diligently to develop a great scientific and

social program, and Division officers have made an immense effort to organize symposia and invite speakers to participate. The Divisions are putting forth a number of high-quality symposia, and cross-divisional symposia are being offered by two or more Divisions. Moreover, researchers, including graduate students, are carrying on their investigations and producing new data that will be presented at the meeting. The call for abstracts for oral and poster presentations and registration for the meeting are in this Newsletter and SIP members will soon be even busier preparing for the Burlington meeting. Be sure to attend the meeting to hear and read about the scientific advances being made and to discuss and debate the issues, as well as enjoying the camaraderie of your colleagues.

In addition to the events surrounding the upcoming meeting in Vermont, the various SIP committees have been energetically handling their responsibilities. Many of the responsibilities are also directly related to the upcoming meeting. Here is a thumbnail sketch of their activities.

- Founder's Lecture Committee. Dudley Pinnock's committee is in the process of finalizing the Founder's Honoree and the Lecturer for the Burlington meeting. The announcement will be forthcoming in the June Newsletter.

- Awards and Student Contest Committee. Steve Wraight's committee is preparing for the upcoming meeting and will have the difficult task of selecting an outstanding graduate student for the Mauro E. Martignoni Student Travel Award. The committee is also in the process of asking SIP members to serve as judges for the student oral and poster presentations.

- SIP Endowment and Financial Support Committee. Wendy Gelernter and her committee have begun active fund-raising to support the meeting in Vermont.

- Publication Committee. During the Iguassu Falls meeting last year, several members of SIP strongly urged that the Society re-examine and consider formalizing our relationship with the Journal of Invertebrate Pathology. I asked David Onstad and the Publication Committee to discuss this issue, and there was unanimous support by the committee members to form a

closer relationship between SIP and the Journal of Invertebrate Pathology. Accordingly, the Executive Council will explore the possibility of establishing a mutually beneficial relationship with the publisher Elsevier Science.

- Meeting Committee. Mark Goettel and his committee members have been investigating future meeting sites. The 2004 meeting will be in Europe, and we thank Heikki Hokkanen and his colleagues for offering to host the meeting in Helsinki. The Meeting Committee is studying proposals from several individuals for the 2005 meeting site which will be in North America. As most of you are aware, the Council has already approved a 2006 proposal to host the IX International Colloquium on Invertebrate Pathology and Microbial Control in China. The Meeting Committee is also in the process of developing a survey to poll the membership about meeting times and other preferences for the annual meetings. The survey will be online at the SIP website in the near future.

- Membership Committee. Roberto Pereira and his committee members are developing various strategies to increase and maintain membership.

- Nominating Committee. This committee chaired by Bob Granados will be seeking nominations of a slate of new officers for 2004. Positions that will be open include Vice President, Secretary, Treasurer, and two Trustees. Please contact Bob or any one of his committee members (Jim Harper, Ann Hajek, or Jürg Huber) to nominate a member for one of these positions.

- Auditing Committee. Soon, I will appoint an Auditing Committee to examine the financial books of the Society for this fiscal year.

- History Committee. I have appointed a History Committee chaired by Elizabeth Davidson to document the historical aspects of the Society before our institutional memory disappears. The Society is in its 36th year of existence and has a rich past. Although the Newsletter has much of the information, it is not readily available. The History Committee will put much of the information onto the web site so that future SIP members can discover how the Society began and evolved through the years.

- Logo Committee. Ted Andreadis and his committee members are soliciting ideas for a logo for the Society and guidelines are published in this Newsletter. SIP does not have an official logo and if you are interested in submitting a logo, please see the published guidelines in this Newsletter.

- Divisions. Many of the Divisions will be providing some graduate student travel support to the Vermont meetings. Please check the Newsletter and apply for support if you plan to give an oral or poster presentation. Students need not be members of the Division to receive support, but the research topic should fall within the guidelines of the Division.

The Newsletter Editor, Lee Solter, and her team are always working hard, gathering information, and editing news items. Peg Rotstein, our executive secretary, is developing meeting registration materials, getting membership notices out, working on the financial aspects of SIP including income tax issues, keeping the web site updated, etc. Their work never ceases and we appreciate all their efforts to get information out to us in a timely fashion.

As you can see, SIP'ers are involved in many activities between meetings. This is your Society and if you are interested in participating in its many activities, events and affairs please contact me.

Harry Kaya

DIVISION MINUTES

Microbial Control Division Business Meeting 20 August, 2002, Bourbon Hotel, Foz do Iguassu, Brazil

Chair Wendy Gelernter called the meeting to order at 8.09 pm. All officers were present. A motion to dispense with the reading of the 2001 minutes and accept them as written was made by Lerry Lacey and seconded by Jeff Lord. The vote was unanimous in favour of the motion.

Chair Gelernter acknowledged the contribution made to the Microbial Control Division by the late Chris Lomer and called for a period of silence in his memory.

Secretary Maureen O'Callaghan read the financial report.

Financial Report for Fiscal Year 2002 (May 1, 2001 – April 31, 2002)

REVENUE

Membership Dues	\$ 500.00
Speaker Contrib. From SIP*	\$1,000.00
Short Course at Annual Meeting	\$1,800.00
Slide Atlas CDs	\$2,160.00
Accrued interest receivable	\$ 244.64
Total Revenue	\$5,704.64

EXPENSES

Student Travel Awards	\$1,000.00
Short Course Manuals	\$1,755.59
Slide Atlas CD Costs	\$ 605.78
Unused Speaker Fund*	\$ 500.00
Total Expense	\$3,861.37

Net Revenue **\$1,843.27**

*Unused Speaker Fund: SIP donated \$2000 over 2 years for meeting speakers. The money that was not used was returned to the Society's general fund.

The total balance of the MCD account at 4/30/2002 is **\$7,959.27**.

Slide Atlas CDs: Sales of the Microbial Control Division's compact disc of over 200 images went extremely well last year, with over \$2,000 in sales.

Membership: Current Membership for Calendar Year 2002 is 210, in comparison with 250 last year.

Student Travel Awards: The MCD received nine high quality applications for the \$500 student travel awards. The recipients of the awards were Tom DuBois (Cornell University) and Todd Uguine (also of Cornell), both of whom were present at the business meeting.

MCD Symposia and Workshops: Jeff Lord reported on this year's MCD symposia and workshops. The first symposium "Solar irradiation of fungal pathogens: deleterious effects and mitigation through genetics and formulation" was convened by Don Roberts and David Moore and had contributions from three speakers. The second symposium "Microbial control of insect pests of potato" was convened by Lerry Lacey and John

Vandenberg and comprised six presentations. Program enhancement funds (\$360) were used to defray the cost of registration for one non-member presenter at the symposium. Both symposia were very well attended. Two workshops were also held: "Bioinsecticide production issues, with a focus on Latin America" and "Microbial control of the coffee berry borer by entomopathogenic fungi".

MCD mixer: No mixer was held in association with the MCD business meeting. Wendy asked for members' views on this decision, and the consensus was that a mixer for next year would be in order if expenses could be kept to a minimum and if the mixer did not conflict with other meeting activities.

Elections: Kerstin Jung (Institute for Biological Control, Darmstadt, Germany) was elected as member-at-large for MCD (2002- 2004). Other officers continue to serve for another year: Chair, Wendy Gelernter; Secretary-Treasurer, Maureen O'Callaghan; Chair Elect, Jeff Lord; Past chair, Lerry Lacey; Member at large, Yasuhisa Kunimi.

2003 Symposium and Workshop: Wendy Gelernter solicited topic suggestions for two symposia and one workshop to be convened by MCD at the 2003 meeting to be held in Burlington, Vermont. Denis Burges suggested that a workshop outlining new microbial control products would be useful, with 5-7 minutes presentations from members of the industry, as has been done in the previous years. Another suggestion was a session examining small-scale cottage production of microbial control agents in comparison with large-scale production and the benefits and disadvantages of each. A suggestion was made by J. Mora, Colombia, that a session be devoted to looking at extension and delivery of information and control options to farmers. Trevor Jackson suggested that topics of symposia should be planned further in advance so symposia would be more relevant to the particular locations where conferences are held. It was also suggested that funding available to support speakers be used to bring in speakers who would not normally be involved in the meeting, e.g. people from the organics industry.

Further suggestions of topics and potential speakers for the symposia should be passed on to Lerry Lacey (llacey@yarl.ars.usda.gov), while suggestions for the workshop should be sent to Jeff Lord (lord@usgmrl.ksu.edu).

Report on SIP Council Meeting

Wendy Gelernter reported briefly on some matters from the council meeting of relevance to the MCD. The \$1000 allocated to the division for supporting speakers does not have to be returned to the Society's fund, if not used in the year allocated. It can be retained for another year, effective 2003. This fund can be used for programme support or student travel awards. The president of the Society will have a discretionary fund of \$3000, for speakers or cross-Division initiatives. In addition, it was decided that a "members only" portion of the SIP website should be created; certain sections of the newsletter, conference abstracts and proceedings, SIP membership lists and other benefits of Society membership would be made available to members only on this portion of the website.

Website: The MCD has the opportunity to increase its profile on the SIP website, by adding content to the "public" side of Division's website, or to a new "private", SIP members-only side of the website. People with ideas and suggestions should forward these to Lerry Lacey (llacey@yarl.ars.usda.gov) or Trevor Jackson (trevor.jackson@agresearch.co.nz). Images and potential links to other sites are welcome.

Fundraising: The need for further fund-raising to support student awards and speakers was discussed and suggestions called for. John Vandenberg suggested offering workshops in association with the conference. Because the Treasury is quite healthy at this point, immediate-term fund raising efforts were deemed unnecessary. However, this issue needs to be revisited annually.

Short courses: In 2001, Mark Goettel organized a very successful short course in insect pathology in conjunction with the SIP Netherlands meetings, and has volunteered to organize one or more courses for the 2003 meetings. These courses would be open to all meeting attendees, with the cost of the required text(s) as the only charge.

The meeting was adjourned at 9.25 pm.

Maureen O'Callaghan
Secretary-Treasurer

ANNOUNCEMENTS

SIP Logo Contest

The Society for Invertebrate Pathology announces a new contest to select its first official logo. The individual submitting the winning logo will receive \$500.00. Three finalists will be selected by the Logo Selection Committee consisting of representatives from each of the Society's Divisions. Committee members may submit designs but will not be allowed to vote for his or her submission. Final selection of the winning logo will be by vote of the entire membership. Entries should be submitted electronically to Committee Chair, Theodore Andreadis:
theodore.andreadis@po.state.ct.us
The deadline for submission is May 31, 2003. Guidelines for submission are listed below.

SIP Logo Contest Guidelines

- The contest is open to all SIP members and to non-members
- Entries must be new original works not previously used in public
- The artwork must be submitted electronically in EPS (preferred), PSD, WMF or PDF format
- The logo should be clearly legible when reduced to 1 inch in size
- Image resolution should be 300 pixels per inch and document (image) size should be 5 inches wide
- The logo may be submitted in color but should reproduce and read well in black and white
- There is no limit to the number of logos that may be submitted by an individual
- Entries will not be returned to contestants
- Similar or identical logo entries will be credited to the designer of the first such entry
- The winning logo will become the exclusive property of the Society for Invertebrate Pathology for use in all activities

Committee Members (representing each Division)

Theodore Andreadis – Chair
James Becnel – Microsporidia
Kelli Hoover – Virus
Richard Humber – Fungus
Madoka Nakai – Microbial Control
Jean-Louis Schwartz – Bacteria
Patricia Stock – Nematode
Harry Kaya – Ex-officio
Margaret Rotstein – Ex-officio

Thanks to Mark Goettel from the SIP President

December 3, 2002

Dr. Mark Goettel
Lethbridge Res Ctr
Agriculture & Agri-Food Canada
Box 3000
Lethbridge AB T1J 4B1
CANADA

Dear Mark:

On behalf of the Society and the past Presidents for whom you have served, I thank you for your dedicated service during the past 8 years as Editor (6 years) and Assistant Editor (2 years) for the SIP Newsletter. Your innovative approach and the additions you made to the Newsletter have been wonderful and greatly appreciated by the membership. It was not an easy task to get three issues of the Newsletter out in a timely fashion. You also saved the Society significant funds in mailing and production costs as we have gone from a hard copy to a web-based Newsletter. I was pleased that you were willing to assist and make the smooth transition for Leellen Solter, the new Newsletter Editor. You did all this in addition to serving in other capacities in the Society as well as maintaining an active and productive research program.

Again, many thanks for your past and continuing service to the Society.
Sincerely yours,

Harry K. Kaya, President

Back issues of the journal of invertebrate pathology available for qualified laboratory

Back issues of JIP from Volume 1 through 1988 (Volume 51, 52) are available from the collection of the late Dr. John Briggs and can be shipped, without cost to the recipient. We ask any member who would like to receive these journals to write a short justification for their use, including information on the activities of your laboratory and the number of scientists and students who will have access to the journals. We hope that the journals will find further use in a laboratory that cannot afford to purchase them. A committee will decide on the recipient. Please send information to: Dr. Elizabeth Davidson, Department of Biology, Arizona State University, Tempe, AZ USA 85287-1501; e.davidson@asu.edu

The Biocontrol Network: An Update

The Biocontrol Network is a research and development network based at universities and government research agencies across Canada and headquartered at the Université de Montréal. Instituted in April 2001, its mission is to reduce the use of chemical pesticides in Canada's \$2.7 billion greenhouse and tree nursery industries. The knowledge gained from these contained ecosystems

will provide valued models for applications to the open systems of farming, forestry and the larger environment.

The Network regroups 40 researchers from 14 Canadian universities and 16 government research centres, and currently trains 79 postdoctoral fellows, students and technical assistants.

The Network's objectives are: to improve our understanding of the major pests and diseases that afflict greenhouse and nursery plants, and the biocontrol agents that can be used to control them; to design experimental strategies aimed at utilising biocontrol agents as chemical replacements in pest and disease control, and to explore the interactions between biocontrol agents, the pests and diseases they control, and plants (different trophic levels), as well as interactions among biocontrol agents and among pests and diseases (intraguild interactions); to develop innovative assay tools for screening for novel microbial agents and means of studying their molecular modes of action based on DNA microarrays and cell and tissue physiology; to support the training of young Canadian scientists, providing them with the education and experience to work in this growing industrial sector; to promote the development and production of commercially usable biological control agents in Canada, to encourage their use by growers in the greenhouse and tree nursery industries, and to support the creation of new companies with product export potential, thereby providing high technology jobs for student graduates; and finally, to inform Canadians on the issues surrounding the use of live organisms in pest management through a directed program of education and public information.

During its first year of operation, the Biocontrol Network has succeeded to integrate a Canada-wide, multidisciplinary research program. Biocontrol is interdisciplinary by nature, making networking among the many sciences essential to a coherent program. The research is also carried out at different levels, from the molecular structures of bioactive compounds and cell membranes receptors, to the interaction of biocontrol agents with plant pests, to the interplay of the living components in entire ecosystems.

The three research themes are 'Greenhouses', 'Tree nurseries and managed forest stands' and 'Innovation tools for discovery and testing'. The first two center on pest control in contained ecosystems, and the third looks at molecular and cell-based technologies for the study of the interrelationships among biocontrol agents, pests and plants. The research in greenhouses is guided by the current insect pest and disease management priorities of the Canadian

industry. These include the control of pests such as cabbage loopers and thrips; the use of microbial agents and parasitoids; and the exploitation of fungi to control both invertebrate pests and fungal diseases. The research in tree nurseries and managed forest stands focuses on root diseases (particularly fungal pathogens), foliar sawfly pests and classical biocontrol in Christmas tree plantations. Reforestation is crucial to forest management in Canada, and tree nurseries underlie these programs. The third theme looks at leading-edge technology platforms for the study of mode of action of pathogens, for examining interactions between biocontrol agents, pests and plants, and for the development of highly efficient screening assays.

Research has been very active during the first 20 months of existence of the Network and has resulted in several significant achievements, of which some examples follow. Network scientists have developed the predatory bug *Dicyphus hesperus* (Heteroptera: Miridae) as a biological control agent to protect greenhouse tomatoes, and released it to companies for production. Greenhouse growers have used it on a trial basis with some successes reported to date. The complete nucleic acid sequence of the *Trichoplusia ni* single nucleopolyhedrovirus genome has been determined. This baculovirus is an important pathogen of the cabbage looper, which now ranks as a major insect pest in Canadian greenhouses. It has significant potential as a major biological agent for the control of this greenhouse pest in an environmentally sensitive manner.

Network researchers have developed a number of excellent model systems for studying how organic by-products from the forest and agricultural industries affect soil microorganism populations, especially plant pathogens. The work has led to strategies for developing novel waste formulations that transform them into environmentally friendly disease management products. Molecular and biochemical techniques were used to identify rhizosphere and phyllosphere microorganisms with beneficial and deleterious effects on both greenhouse plants and their diseases, and determine their modes of action. Potential biocontrol agents include growth-promoting rhizobacteria, mycorrhizal fungi and antagonistic fungi (e.g. *Stachybotrys elegans*). Some target diseases are root or stem rots, root damping-off, powdery mildew and grey mold disease fungi and bacteria (*Rhizoctonia*, *Pythium*, *Fusarium*, *Botrytis*, *Erwinia*).

In tree nurseries, marked differences were observed in microbial biodiversity and population structures depending on coniferous species, the health of seedlings, their age and origin, and the cultural practices used. PCR-based approaches are being

used to screen microbial populations for activities such as microbial antagonism, the stimulation of plant defense mechanisms and antibiotic production. In related work, peat formulations and quality control protocols are being optimised for several fungi with potential biocontrol applications, and the potential for cross-applications of these results between tree nurseries and greenhouses is being monitored. Aerial field trials were conducted using the balsam fir sawfly baculovirus as a biocontrol agent. The results show that the NPV is easy to produce and apply, and effectively reduces pest infestations with effects that extend at least one year after application. Baculovirus genomes have been sequenced and analysed, which have yielded interesting results on the genetic factors of virulence and host specificity, as well as the influence of environmental factors.

A DNA microarray manufacturing methodology was developed for measuring differential gene expression in insects challenged by biocontrol agents. This work promises to elucidate the effects of biocontrol agents at the genetic level. DNA chips are also being used to investigate the interactions between the cabbage looper NPV and its host, to screen for antibiotic activity among microbial isolates from tree seedlings and to study plant defense-related genes modulated by plant-pest (or pathogen) interactions. Preliminary work is also under way to study thiol methyltransferases, a group of plant enzymes, particularly their role in protecting plants by affecting insect physiology. Insect gut sections and membrane vesicles are used as the basis of model systems aimed at carrying out electrophysiological and optical studies. The goal here is to understand the mode of action of several microbial pathogens on the target tissues of pests. As well, the work will produce cell- and tissue-based assays for testing the potency of existing agents and screening for new ones.

The Biocontrol Network encourages strong networking among its own scientists and students by organising scientific meetings and student exchanges: the Inaugural Meeting in Calgary, Alberta, in May, 2001; the 1st Annual General Meeting in Niagara Falls, Ontario, in Oct. 2001, held together with the Entomological Society of Canada and the Canadian Forum for Biological Control meetings, and the 2nd Annual General Meeting in Waterton, Alberta, in June 2002, in conjunction with the Canadian Phytopathological Society annual meeting. Researchers, trainees and the Network's industry partners came together to present their latest results, exchange information and discuss the issues that are impacting the field.

Outside the Network, the Network scientists and

trainees provided a Network presence with descriptive materials at 30 scientific conferences across Canada and 35 abroad, from biocontrol meetings such as the International Organisation for Biological Control in Victoria, British Columbia and the Bt Pacific Rim conference in Canberra, Australia, to scientific society meetings such as the Society of Invertebrate Pathology (SIP) in The Netherlands and in Brazil, where the Biocontrol Network was a co-organiser of a workshop on 'Ethical, legal and regulatory concerns of transgenic plants' to which it invited L. Levidow from the Open University, Milton Keynes in the UK. In 2001-2002, the Biocontrol Network researchers authored 89 publications in refereed journals and 24 chapters in books, applied for one U.S. patent, and delivered 164 presentations of research at conferences, meetings, workshops and invited lectures.

A competition for a Network Fellowship (two years for postdoctoral fellows) and a Network Scholarship (two to three years for M.Sc. or Ph.D. candidates) was opened last November. It attracted much attention, both internationally and in Canada, and over 70 outstanding applications were received. The results will be announced shortly. A Network Student Travel Award has been created to bring foreign students to biocontrol-related conferences held in Canada and expose them to biocontrol issues and the research conducted by the Network's investigators. Furthermore, a student exchange agreement is being finalised with the CABI-Bioscience regional centre in Delémont (Switzerland).

The Network has set up a web site (<http://www.biocontrol.ca>) to inform the wider public of its program, its mission and goals. It provides information on Network research programs, Network personnel, student scholarship and postdoctoral fellowship competitions, positions available, regional and national meeting announcements, annual reports, AGM agendas, calls for papers, etc., and several useful links to participating organisations and, more generally, biocontrol related organisations world-wide. Downloadable versions (in English and in French) of the first, 30-page, 2001-2002 annual report, which was sent out in December to over 600 recipients worldwide, are available on the site.

For more information on the Biocontrol Network: biocontrol-network@umontreal.ca, Tel: 514-343-7950, Fax: 514-343-6631.

The Biocontrol Network is funded by Canada's Natural Sciences and Engineering Research Council (NSERC) through its Research Networks Grants program.



Biocontrol Network with SIP Past President Jim Harper and SIP Vice President Just Vlák

MICROBIAL CONTROL NEWS

A biopesticides database: From a description of microbial biopesticides (MB) including mode of action and spectrum of control, to a global listing of MB manufacturers and suppliers, a newer website offers a wide range of useful information and pertinent links. **The "Database of Microbial Biopesticides" (DMB) ippc.orst.edu/biocontrol/biopesticides**, developed by W.I. Bajwa, forms one of the newer elements in the suite of data and knowledge bases that comprise the well regarded Database of IPM Resources. DMB includes environmental risk assessment of MBs, a feature on Bt-based pest management, plus brief discussions on a variety of MB-related aspects. W.I. Bajwa, Bajwaw@bcc.orst.edu

From IPMnet News, July 2002

Bt - A Timeline and Primer

According to a recent account, *Bt* (the soil bacterium *Bacillus thuringiensis*) was known to ancient Egyptians eons ago. Officially it was discovered in Japan in 1901; then, several decades later, it was developed into commercial insecticidal products for topical use, but only really came to the fore as an effective insect management tactic since 1996 and the emergence of transgenic crops. For a compact factual tour and brief history, see the **website <http://www.ippc.orst.edu/dir/microbial/bt/>** Site authors W.I. Bajwa and M. Kogan offer extensive *Bt*-related material as well listing several other sites with additional *Bt* information.

From IPMnet News, September, 2002

Moving??

Please prepare a paragraph including information about past and present postings, new address, telephone, fax and email address and send to your Newsletter Editor for inclusion in the Move Section in the next issue of the Newsletter. The editor's address can be found on page 2.

Please also inform the SIP Office of your new address. The address of the Office is also found on page 2.

MEMBER NEWS

Vince D'Amico accepted a permanent position in the USDA Forest Service in October of 2002. He will continue his work on insect disease dynamics and microbial control in Unit 4502 of the Northeastern Research Station. Currently, Vince is stationed at the University of Delaware in the Department of Entomology and Applied Ecology; his contact information appears in this issue in the editor's box.

Lee Solter's e-mail address is changing slightly due to a reconfiguration of systems at the University of Illinois. Her e-mail will be forwarded for 1 year, but please make note of the change to: lsolter@uiuc.edu (no hyphen).

OBITUARIES



Dr. John D. Briggs
1926-2002

Dr. John D. Briggs died November 27, 2002 at the age of 75, at his home in Worthington, Ohio. Dr. Briggs received the Bachelor of Science and PhD degrees from the University of California, Berkeley, under the direction of Dr. Edward Steinhaus. He was employed as Associate Entomologist at the Illinois Natural History Survey from 1955-1959, and then became Head of Entomology at the International Minerals and Chemical Corporation, Wasco, CA, where he was involved with the development of the first US commercial *Bacillus thuringiensis* product, Thuricide. In 1962, he joined the Department of Entomology, Ohio State University, where he served as Professor, and Associate Dean of the newly formed College of Biological Science in 1967-1969. In 1965, Dr. Briggs became director of the World Health Organization Collaborating Center for the Biological Control of Vectors at OSU, and served WHO for many years in other capacities. He was also Coordinator of Life Sciences in the Second Indonesian University Development Project. Additionally he collaborated with laboratories in Nigeria, Mexico, Czechoslovakia, and several other countries. He retired from Ohio State in 1992, but continued to be active in the community and invertebrate pathology.

Dr. Briggs was present at the founding meeting of the Society for Invertebrate Pathology in 1967 and hosted the first meeting of the Society at Columbus, Ohio, in 1968. He served the Society as Vice President and President (1970-1974), representative to the American Institute of Biological Sciences, chair of the committee for travel to SIP meetings, and produced the plaques presented to the Founders' Lecturers.

Dr. Briggs' doctoral research on humoral immunity of insects, published in 1958, was one of the earliest studies to explore this area of research that eventually led to the discovery of valuable antimicrobial agents in insects. At Ohio State, the Insect Pathology Laboratory also included Dr. W. Fred Hink and Dr. Gordon Stairs, and research during the 1960's to the 1980's included studies on insect cell culture, fungal, microsporidian, viral, and bacterial diseases, and biological control of vectors. Dr. Briggs is remembered perhaps most fondly for mentoring of scientists who continue to contribute to the field of invertebrate pathology. These include Dr. John Kramer (Cornell University, retired), Dr. W. Fred Hink (Ohio State University, retired), Dr.

Ann Cali (Rutgers University), Dr. Carol McKechnie Reeves, Dr. Eldon L. Reeves, Dr. Douglas Streett (US Department of Agriculture), Dr. Albert Pye (BioLogic), Dr. Faith Harriet Gray, Dr. Goro Kuno (US Communicable Disease Centers), and Dr. Elizabeth Davidson (Arizona State University). In March, 2002, four of these former graduate students, along with Jim Harper as representative of SIP, and David Denlinger, Chair of the OSU Department of Entomology, presented Dr. Briggs with an award honoring his many years of service. We will all miss him.

Elizabeth Davidson

POSITIONS AVAILABLE

Postdoctoral position available to characterize selected genes of a novel entomopoxvirus from a parasitic wasp. The virus is introduced into the fruit fly larval host by the female wasp during oviposition and invades and replicates in the host's hemocytes (blood cells). Consequently, the cellular defense capabilities of infected hemocytes are compromised.

Duties: The appointee shall develop a restriction map of the viral genome, identify and sequence viral transcripts in infected hosts, screen existing genomic libraries and construct new ones to identify new viral genes, translate viral transcripts in vitro, characterize them and determine their function and relationship to those of other poxviruses.

In addition to the above assignment, the appointee may participate in ongoing projects including: (1) sequencing and bioinformatic analysis of the poxvirus genome; (2) development and use of monoclonal antibodies to characterize hemocytes involved in the cellular defense response, and (3) in vitro translation of an apparent anti-viral protein (cDNA clones already available).

Qualifications: A Ph.D. in insect molecular biology or insect virology is required. The appointee must be knowledgeable about standard and state-of-the-art molecular techniques, including gene expression, be innovative and willing to try new approaches. Must have an excellent command of English with good writing skills and must be able to work independently in a small (5-7 people), well-equipped laboratory. Applicants must already have legal

authorization to work in the United States. Renewal of appointment is on an annual basis over a possible duration of 3 years and is dependent on satisfactory performance.

Salary and Benefits: Commensurate with experience. Appointee will also receive all expenses paid to one national or international scientific meeting per year to present results of work conducted on this project.

Contact information for applicants:

Dr. Pauline O. Lawrence

Department of Entomology and Nematology

University of Florida, Gainesville, FL 32611-0620

Phone: 352-1901, ext 127; Fax: (352) 846-2011

E-mail: pol@gnv.ifas.ufl.edu

Deadline: 07-01-03

Post Doctoral Position in Nematology to study the biological control of parasitic nematodes and their host parasitic relationships. Apply by 05/25/03.

Contact information for applicants:

Dr. I. Cannayane

Research Associate (Nematology),

National Research Centre for Banana,

Thayanur post, Tiruchirapalli - 620 102,

Tamil Nadu, India, Ph: +91 0431 2618106/2618104

Fax: +91 0431 2618115

E-mail: cansnema@rediffmail.com

Molecular Biologist, Post Doc Position at USDA-ARS-WICS, Research Unit in the Cotton Enhancement program in Shafter, CA 93263, where research emphasis focuses on the development of new and improved cotton germplasm and genomics (structural and functional) with the application of molecular markers. The incumbent will develop, screen, and map molecular markers such as SSRs and SNPs from potential sequences of express tag (EST) database developed by Dr. Thea Wilkins of UC Davis. A dynamic publicly available set of molecular markers for studying genetic diversity and mapping will be created from the results of this research. The markers will be used in assisting breeding for cotton improvement. In addition, the postdoctoral fellow will characterize isolates, at the molecular level, of *Beauveria bassiana*, a fungal pathogen isolated from the Western Tarnished Plant Bug (WTPB) in the San Joaquin Valley. Specific molecular markers will be used to determine efficacy of the new strains against WTPB populations following application of the new strains. The research is difficult and requires integration of

unique and novel approaches in plant and/or fungal genetics. Research will be coordinated with other scientists from ARS, and private and public institutions.

Requirements: Ph.D. in field related to plant and/or fungal molecular biology. Knowledge of molecular marker technology.

For additional information contact:

Dr. Mauricio Ulloa / Research Geneticist
 USDA-ARS, WICS, Res, Unit. Tel. 661-746-8009
 or 661-746-8015; E-mail:mulloa@pw.ars.usda.gov,
 17053 N. Shafter Ave., Shafter CA 93263.
 or Dr. Michael McGuire, USDA-ARS 661-746-8001
 mmcguire@pw.ars.usda.gov

Research Scientist in monitoring resistance to Bt.
 CSIRO Entomology, Canberra ACT Australia.
 CSIRO has contracted to conduct the Bt resistance monitoring program for the Cotton Research and Development Corporation (CRDC).

Through this appointment, we are seeking a scientist with the potential to lead the Division's field research on cotton pests. The immediate task requires the bioassay of field-collected *Helicoverpa* spp. against the insecticidal proteins that are being or are likely to be used in transgenic cotton in Australia. The appointee will be responsible for development of insect collection and bioassay protocols, liaison with collecting teams, supervision of bioassay technical staff, and the analysis of bioassay data. In addition, the appointee will be expected to contribute to the development of the resistance management strategy for transgenic cotton and will have the opportunity to develop an independent research project within the general area of resistance to Bt.

The position will initially be located in Canberra, with transfer to the Australian Cotton Research Institute, Narrabri, NSW at a later date.

Requirements: PhD in population genetics or equivalent qualification related to insect management, with demonstrated expertise in sampling theory and practice and in the design, conduct and evaluation of insect bioassays.

Salary range: AUD\$60367 to \$65348. Assistance with relocation expenses is available.

For more information and application details, visit the website at:

http://recruitment.csiro.au/job_details.asp?ref=2003/1-0801 or contact:

Dr Ray Akhurst
 CSIRO Entomology
 GPO Box 1700
 Canberra ACT 2601, Australia
 E-mail: ray.akhurst@csiro.au

Ph.D. student position in biological control

M.Sc. student position in biological control

Laval, Quebec, Canada. We are doing research on biological control of pest insect in forest and agricultural systems using entomopathogens, particularly bacteria and fungi. We are looking for Ph.D. and M.Sc. students for field evaluation of production and utilization of entomopathogens as biological tools for the control of population of pest insects. Contact information for applicants:

Professor Claude Guertin
 INRS-Institut Armand-Frappier
 531, des Prairies Blvd.
 Laval, Québec, Canada, H7V 1B7
 Deadline: 08-01-03

Don't Forget to Pay Your Dues for 2003

To ensure that your membership remains current and that you continue receiving the Newsletter, please return your dues notice with payment or access the web site for online dues payment. Please contact the SIP Executive Secretary if you have questions or need information about payment. (See Page 2 for addresses.)

POSITIONS WANTED

Postdoc or research associate: PhD seeks Postdoctoral or Research Associate position in the following areas: Microbial Control, Insect Pathology, Biological Control, Integrated Pest Management. PhD studies included evaluation of the pathogenicity of a microsporidian (*Nosema* sp.), insecticide bioassay, quantitative and qualitative assessment of carboxylesterases in different populations of *Spodoptera litura*. Experience: Junior Research Fellow & Senior Research Fellow studying "Gregarines as Biocontrol agent of Grasshoppers". Has thorough knowledge in identification (taxonomy), mass production, laboratory and field

application of cephaline gregarines against grasshoppers. Languages spoken and written: English & Tamil. Countries preferred: Any. Please contact: **S. Johny**, G.S. Gill Research Institute, Guru Nanak College, Chennai - 600 042, INDIA, Phone: (044) 244 0827, Telefax: 091-044-244 46 21 E-mail: johny_shajahan@hotmail.com, grignc@giasmd01.vsnl.net.in

Post Doctoral Research Fellow/Associate in Biological Control of Weeds, Pests and Diseases: I am seeking a position as post doctoral fellow in biological control of weeds, invasive plants, pest and diseases using fungal pathogens. My PhD thesis work is on biological control of water hyacinth using fungal pathogens. My work involved a one year survey of all the pathogens on the weed, and isolation, culturing of the pathogens, extraction of toxins, formulation, and application on target weeds in green house and in the field. Toxins were tested on other flora and fauna in the aquatic environment. I wish to work as post doc in a related field.
Ms. Praveena Ravindran
veenar25@yahoo.com

Book Reviews for the SIP Newsletter

If you would like to have your book reviewed or if you would like to review a book, please contact our book review editor:

Dr. James Becnel, USDA/ARS, CMAVE
P.O. Box 14565
Gainesville, FL 32604 USA
Tel. (352) 374-5961
Fax. (352) 374-5966
E-mail: jbecnel@gainesville.usda.ufl.edu

PUBLICATIONS

The 1997 Manual of Techniques in Insect Pathology has been reprinted. Edited by L. Lacey and featuring contributions by a number of SIP members, the manual features step-by-step instructions for isolating, identifying, culturing, and storing major groups of entomopathogens, as well as much more detailed technical information related to the topic. Academic Press/Elsevier.
Web: <http://www.apnet.com/>

Two volumes published in Spain focus on bioinsecticides and baculoviruses--describing their nature, function, and application.

Bioinsecticidas: **Fundamentos y Aplicaciones de *Bacillus Thuringiensis* en el Control Integrado de Plagas** was edited by P. Caballero and J. Ferre, and represents the contributions of 27 authors presented in 13 chapters. The second work, **Los Baculovirus y sus Aplicaciones como Bioinsecticidas en Ee Control Biologico de Plagas**, was prepared by P. Caballero, et al_. Both titles were published in 2001 and are referenced by the publisher as E004 and E005, respectively. Phytoma Espana, c/San Jacinto 1 y 3, 34608 Valencia, SPAIN. Fax:34-96-382-6515. Phone: 34-96-382-6510.

Web: <http://www.phytoma.com/libros.asp>
From *IPM Net News*, August 2002

An Overview Of Bt Cotton...A useful publication, **Bt Cotton & Management of the Tobacco Budworm-Bollworm Complex**, (ARS-154) prepared by D.D. Hardee, *et al.* in 2001 not only discusses the development of the biotech cultivar, but delves into how it can be used most effectively as well as the all important restrictions and limitations, such as emergence of insect resistance. The 37-page file includes color photos and interesting graphics at:
<http://www.checkbiotech.org/pdf/btcotton.pdf>
D.D. Hardee, USDA-ARS, PO Box 346, Stoneville, MS 38776, USA, e-mail: Dhardee@ars.usda.gov
From *IPM Net News*, June 2002

FUTURE MEETINGS AND WORKSHOPS

8-10 April, 2003: **The Fourth National Integrated Pest Management Symposium/Workshop, "Building Alliances for the Future of IPM"**, Indianapolis, IN, USA, will occur exactly 14 years after the first U.S. national IPM meeting was held. The 2003 meeting will include over 60 "breakout" sessions (workshops, debates, and presentations) encompassing almost all aspects of IPM, as well as plenary speakers describing experiences in building alliances, such as those between IPM practitioners and consumers. The diverse agenda will include sessions on IPM topics covering:

- * Barriers to Adoption of Biocontrol Agents and Biological Pesticides;
- * Application and Prioritization of IPM Projects in

Natural Areas;

- * The Role of Biotechnology in IPM;
- * Federal Agencies and IPM: Improving Communication and Coordination;
- * IPM in Organic Systems; and,
- * The Future of Global IPM.

Meeting information can be found at:

<http://www.conted.uiuc.edu/ip> or by contacting: E. Wolff, IPM Symposium, Univ. of Illinois, 202 Presidential Tower, MC-433, 302 E. John St., Champaign, IL 61820, USA; e-mail: ipmsymposium@ad.uiuc.edu. Fax: 1-217-333-9561. Phone: 1-217-333-2881.

International Conference on the Molecular Biology and Biotechnology of Ciliates and Anaerobic Protozoa will be held from March 4th to 6th, 2003 in Nijmegen, the Netherlands. The congress will be accompanied by the annual meeting of the German Society of Protozoology and a meeting of the EC-sponsored programs ERCULE (www.ercule.com) and CIMES

11-14 May, 2003 **"4th International Workshop on Otiiorhynchinae and related root weevils"** Wageningen, The Netherlands. The meeting is a continuation of the "3rd Vine Weevil Workshop", held in France in 1999. All correspondence concerning the workshop should be addressed to: Marian de Beuze, Applied Plant Research Nursery Stock Research Unit, P.O. Box 118, 2770 AC Boskoop The Netherlands Phone: +31 172 236700; Fax: +31 172 236710 E-mail: weevil@ppo.dlo.nl; Website: www.ppo.dlo.nl/weevil

24-28 May, 2003, **IOBC/WPRS working group "Microbial Control and Insect Parasitic Nematodes"**

Schoss Salzau, near Kiel, Germany
Information: Internet page with first announcement: www.iobc.de

Contact: Ralf-Udo Ehlers
Institute for Phytopathology
Christian-Albrechts-University Kiel
Dept. Biotechnology & Biological Control
Klausdorfer Str. 28-36
D-24223 Raisdorf, Germany; Tel.: 49-4307-839833
Fax.: 49-4307-839834; e-mail: ehlers@biotec.uni-kiel.de

4-7 September, 2003, **Third International Symposium on Entomopathogenic Nematodes**

and Symbiotic Bacteria, Arden Shishler
Conference Center, Ohio State University, Wooster,
Ohio 44691, USA

Organizers:

Parwinder S. Grewal, Ohio State University
Harry K. Kaya, University of California
Heidi Goodrich-Blair, University of Wisconsin
Steve Forst, University of Wisconsin
Susan Forst, Marion College
Contact: Parwinder Grewal, Dept. of Entomology,
Ohio State University, OARDC, 1680 Madison
Ave., Wooster, OH 44691, USA; Tel. 330-263-
3963; e-mail: grewal.4@osu.edu
Website: www2.oardc.ohio-state.edu/nematodes

16-18 October, 2003. **Association Of Natural Bio-Control Producers Annual Conference**, Niagara Falls, ONT, CANADA. Contact: ANBP, 10202 Cowan Hts. Dr., Santa Ana, CA 92705, USA. E-mail: Maclayb2@aol.com; Fax/phone: 1-714-544-8295.

On behalf of the Local Organizing Committee of the **5th Pacific Rim Conference on the "Biotechnology of *Bacillus thuringiensis* and Its Environmental Impact"** I would like to invite you to join us in Hanoi, Vietnam from 17th to 21st November, 2003. The Conference will be held to distribute the knowledge, research and technology activities of international scientists relating to insect pest management. It will provide an excellent opportunity for researchers, students, regulatory officials, and others interested in biopesticides and transgenic technologies for pest management to hear of the latest achievements and discuss their impact on the environment. We look forward to seeing you in Hanoi in 2003.

Ngo Dinh Binh

Chairman, Local Organizing Committee



10-13 June, 2004. IOBC/WPRS announces the joint IOBC WPRS working groups meeting on **Management of plant diseases and arthropod pests by BCAs and their integration in greenhouses systems**, St. Michele all'Adige, Trentino, Italy.

Working Groups:

1. Biological Control of Fungal and Bacterial Plant Pathogens
2. Integrated Control in Protected Crops, Temperate Climate

Contacts:

1. Yigal Elad, Dept Of Plant Pathology, The Volcani Center, Bet Dagan 50250, Israel. Current email during sabbatical: y.elad@sbc.bbk.ac.uk

2. Annie Enkegaard, Danish Institute of Agricultural Sciences, Dept. of Crop Protection, Research Centre Flakkebjerg, DK-4200 Slagelse, Denmark, email: annie.enkegaard@agrsci.dk

Information on the phytopathogens working group:

<http://www.agri.gov.il/Depts/IOBCPP/IOBCPP.html>

Information on the Temperate Climate working group:

http://www.agrsci.dk/plb/iobc/iobc_home.htm

SIP Meetings

The Meetings Committee has recommended and Council approved the locations of the 2004 and 2006 meetings:

VII International Conference on *Bacillus thuringiensis* and 37th Annual Meeting of the Society for Invertebrate Pathology

1 - 6 August, 2004

Helsinki, Finland

Contact: Heikki Hokkanen

h.hokkanen@kolumbus.fi

IX International Colloquium on Invertebrate Pathology and Microbial Control, 39th Annual Meeting of the Society for Invertebrate Pathology and VIII International Conference on *Bacillus thuringiensis*

August, 2006

China (Wuhan tentative)

Contact: Yu Ziniu yz41@public.wh.hb.c

EDITORS' NOTES

Things really can 'disappear into the ether' these days. For whatever reason computers (or this editor) didn't connect, apologies to Wendy Gelernter, Maureen O'Callaghan and the Microbial Control Division for the omission of the Microbial Control 2002 Meeting Minutes in the November 2002 Newsletter (Vol 35:3). To avoid future disappearances, let's handle e-mailed information this way: If you send a Newsletter item to any one of the editorial team and do not receive a specific acknowledgment from Lee, either within a week or near the Newsletter deadline, please follow up with an e-mail to the original contact *and* one other of the editorial team so that we can make sure your information reaches us in time for inclusion.

To fill you in on our current system, Lee is handling the initial work on the Newsletter text, so the most efficient routing of text items and accompanying photographs is directly to her. Gernot is co-editing all text items (Vince and Peg also give the final document a once-over; we really do try!), and Vince is handling the meeting photograph pages. All photos that are not part of a text item can be e-mailed (preferably) or mailed directly to Vince. Needless to say, please feel free to send information to anyone on the editorial team.

Future SIP Meetings

SIP 2003

Burlington, Vermont, July 25-31

SIP 2004

Helsinki, Finland, Aug. 1-6

SIP 2005

Open, North America

SIP 2006

Wuhan (tentative), China
August

Proposals for hosting future meetings are welcomed. Please contact Mark Goettel, Chair of the Meetings Committee. e-mail: goettel@em.agr.ca

On a different note, we'd like to highlight the numerous travel awards offered by SIP and the Divisions to facilitate student attendance and participation at the annual meetings. All three of us attended SIP meetings during our years in graduate school and were welcomed and encouraged by SIP members. It is a distinct pleasure to be part of a Society that promotes participation by students and demonstrates support in tangible ways, such as providing funding for meeting attendance and many opportunities to present research results and become part of the invertebrate pathology research community. We encourage all students to apply for the travel awards and participate in the student competitions. And, we encourage members to renew memberships in one *or more* Divisions, as well as making contributions to the Martignoni Award Fund for student travel and the Chris Lomer

Memorial Fund to assist scientists from developing countries to attend the SIP meetings. See you in Vermont!

Lee Solter, Gernot Hoch & Vince D'Amico



Lake Champlain, Burlington, Vermont



A) through F) this page: SIP folks at the banquet during the 2002 meeting in Foz do Iguassu.



Photos from Foz do Iguassu, Brazil: A) Kees enjoys his watermelon; B) Larry Gringorden & Kees Frankenhuyzen; C) Flavio Moscardi; D) Drs. Burges, Arif, and Luethy; E) Harry Kaya, Flavio Moscardi, and the toucan; F) Andreas Linde; G) Albrecht Koppenhoffer; H) Casey Hoy; I) Bryony Williams; J) Christiana Saeglitz; K) Linda & Jim Becnel.