The SIP Newsletter

Volume 37, Number 2 June 2004

37th Annual Meeting of the
Society for Invertebrate Pathology
7th International Conference
on *Bacillus thuringiensis*
Helsinki, Finland
August 1-6, 2004

The Organizing Committee representing the Nordic countries of Denmark, Finland, Iceland, Norway and Sweden – fortified by our Northern European colleagues from Germany and Austria – looks forward to hosting the 37th Annual Meeting of the SIP and the 7th International Conference on *Bt* in Helsinki, Finland during the first week of August, 2004. We invite our colleagues and friends to enjoy the warmth and beauty of the Nordic summer, the mysterious and long periods of dusk following the brilliant midsummer days, and the nightless nights only to be experienced at high latitudes. Combine that with the strong SIP tradition of scientific excellence and excitement, and the best social program of any conference that you are likely to have attended … and you have an irresistible formula, which will highlight every participant's summer memories for years to come.

Social program/activities for accompanying persons
The main social events are included in the registration fee. A welcoming mixer this year is arranged at the end of the first full day, on Sunday evening ('first work, then pleasure'). The 5k fun run/walk race is scheduled for Tuesday afternoon, at lunch time, and it will take you through beautiful forest on a hilly terrain at the Solvalla Sports Training Center. Afterwards you can splash into a lake and/or take a Finnish sauna to wash the sweat off! This will be followed by excursions, also on Tuesday afternoon. Two choices are offered: (1) A quiet, guided walk in the Nuuksio National Park, located 30 km from downtown Helsinki. Here it is easy to enjoy the stunning beauty and solitude typical of the last large wilderness areas in Europe [located in Northern Finland]. For first impressions about the park, see
http://www.metsa.fi/natural/nationalparks/nuuksio/

(2) Another possibility includes a visit at the Marimekko™ factory outlet in Helsinki, followed by a quick tour of the Biosciences Campus of the University of Helsinki (including agriculture and forestry), and a stroll in the adjacent nature preserve: one of the best wetlands sanctuaries in the whole country [Viikki] with birdwatching towers and walkways.

Tuesday will end with a traditional SIP barbecue evening, this time at a typical Finnish locality on the seashore with good food, entertainment, and lots of fun!

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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

The 5k-race awards will be presented at the BBQ. For those who would wish to visit *all* of these targets, we would advise going to Nuuksio National Park on Tuesday– we will organize an extra trip to Marimekko on Friday, after the end of the meeting.

The Society banquet will be held at the Hotel Grand Marina on Thursday evening. Student awards and the Founder's Lecture awards will be presented at the banquet.

The generous social program includes (free!!) daily guided walks for about one hour in downtown Helsinki during lunchtime. One walk focuses on the history and architecture of the city, and another targets the botanical garden in the heart of Helsinki.

Registration
April 30, 2004, was the deadline for early paid registration. The registration fee includes access to the scientific and social program, Program and Abstract book, mixer, barbecue, conference dinner, refreshments during the conference, and transportation during the conference. Regular rate registrations will be accepted until the beginning of August.

Refunds - Cancellation Policy
Cancellations are only accepted before July 9, 2004. After that returns cannot be guaranteed due to commitments of the conference organizers. A handling charge of 100.00 euro will be deducted from all cancellations.

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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 October 15, 2004.

Scientific Program
The list of scheduled symposia and workshops of the SIP 2004 is presented in this Newsletter. A detailed list of presentations will be placed on the conference website during May 2004.

Abstract submissions
April 26, 2004 was the deadline for receipt of abstracts for symposia and contributed papers; poster abstracts were accepted until May 31, 2004. Abstracts received after that deadline cannot be printed in the abstract book.

Presentations
Contributed papers
Contributed oral presentations are limited to 12 minutes with an additional 3 minutes for answering questions. Because of concurrent sessions, moderators will be instructed to strictly keep to the scheduled times. Digital projection equipment will be available, but be prepared to present using slide projectors (2" x 2") or overhead transparencies as backups.

PowerPoint slide presentations
Fonts: Please choose a standard font to ensure compatibility.
Graphics: Power Point will load faster if the graphics file size is kept to a minimum. When scanning images we recommend that the 200 dpi setting be used.
Saving Files: Please bring presentation either on a [preferred] CD-ROM (CDR - not CDRW!), or on 1.4 MB floppy disk. No ZIP-disks, please.
Naming your files: Last Name,_Session Title, Day Presenting (i.e. Smith_Fungi 2 _Monday). We suggest that you test the disk/s before leaving your office, preferably on a computer other than the one on which the disks were made. DO NOT prepare your presentation in MAC format, as it is not compatible with the equipment.

Audio Visual Equipment
The following audiovisual equipment will be available for use:

- PC with Office XP Professional PowerPoint software installed
- LCD / Data Projector
- Video VHS available upon request only
- Podium & Microphone
- Laser pointer
- Overhead projector – emergency use only
- 2x2 slide projector – emergency use only
- It is strongly recommended that speakers do not use their own laptops for presenting, as this causes unnecessary delays.

Speakers Ready Room
Helsinki University Main Building, Room 4, 3rd Floor: Please check-in at the Speakers Ready Room the day prior to presentation to download your talk. Your Power Point files will be tested and preloaded to your session room's PC. A PC will be available for speakers to practice presentations. If speakers wish to use this facility, allow ample time and check with the Speakers Ready Room attendant as to availability of equipment. Report to the room in which you are presenting 30 minutes prior to the start of the session. Please meet with the room monitor and audiovisual technician in your session room 15 minutes before the session commences. At this time speakers can familiarize themselves with the equipment and audio in the room.

Instructions for poster presentations
All posters can be set up at the designated sites starting at 2:00 pm on Sunday, August 1st. Each poster will be presented by the author at one of the poster sessions– 5 minutes for each poster. Please see the conference website for further instructions. The space for each poster is 90 cm (width) by 120 cm (height) (3 ft by 4 ft; portrait format). Please prepare your poster accordingly. Materials to attach posters to the boards will be available in at the meeting site.

Exhibitors
Individuals or companies wishing to have exhibits at the meeting are advised to contact the local organizing committee (Executive Secretary Lena Huldén: lena.hulden@helsinki.fi).

Meeting headquarters
Headquarters will be located at the Hotel Grand Marina.

Accommodations
Each participant should arrange accommodation independently of the Local Organizing Committee. We have made block reservations at three hotels (see February 2004 Newsletter, and the meeting website); in addition we have provided some additional hotel links at our website: http://www.sip2004.fi

Invitation letters. Those requiring invitations for obtaining visas should write to the Executive Secretary of the meeting, Dr. Lena Huldén (lena.hulden@helsinki.fi).

Some Practical Information

Travel documents

Finland is a part of the so-called Schengen-area in Europe, with uniform visa requirements. The documents needed to enter Finland (or any other Schengen-agreement country) can be checked at this link and/or at some stages earlier in the link, please try:
http://formin.finland.fi/doc/eng/services/entry/schengen.pdf

Local maps:

For maps of the capitol area and street maps see http://kartta.hel.fi/

The meeting is held at the Main Building of the University of Helsinki, located at: Fabianinkatu / Unioninkatu, please look at the campus/city maps at the link below:
http://www.helsinki.fi/maps/

Weather forecasts:

http://www.foreca.com/eng/weather/
http://www.fmi.fi/en/index.html

Pre- and post conference tours:

The Organizing Committee is not arranging tours for before or after the conference period. Those wishing to tour the Nordic countries and/or the adjacent Baltic countries or Russia are strongly encouraged to look at the links provided at the SIP2004 website, and in particular to arrange the required travel documents in advance. Very frequent and inexpensive trips to Russia (e.g., St. Petersburg) are organized from Helsinki, or one can travel there easily by train from Helsinki (see information links at the conference website). For most participants, however, a visa is required; please arrange that in advance via your travel agent.

Important!

Check the conference website frequently for updates and for useful information concerning traveling to Helsinki, finding your hotel, detailed schedule of scientific events, etc.

We wish all our guests a safe and pleasant trip to 'way up north'!

Heikki Hokkanen
Local Arrangements Committee Chair
Email: heikki.hokkanen@helsinki.fi
& Joergen Eilenberg
Program Committee Chair
Email: jei@kvl.dk

MEETING SCHEDULE, SIP 2004

Tentative schedule of thematic scientific sessions

Contributed paper sessions will take place throughout the meeting (not shown here)

Sunday 01 August
Opening Plenary Session
Founder's Lecture

Symposium:
SIP – the past, present and future
Organizers: Elizabeth Davidson & James Harper

Workshop:
The graduate students' guide to the galaxy: real world job hunting advice
Organizer: Todd Udine

Monday 02 August
Plenary Session

Symposia:
Second generation transgenic crops
Organizer: Sarjeet Gill

Significance of the entomopathogenic nematode infected-host in the soil ecosystem, and potential impact on microbial control
Organizer: David Shapiro

Virus ecology
Organizers: Linda King & Robert Possee

Honey bee pathology
Organizers: Ingemar Fries & Brenda Ball

Risk assessment and non-target effects of Cry toxins in sprays and transgenic plants
Organizers: Brian Federici & Juan Ferre

Insect-fungal associations: ecology and evolution
Organizers: Fernando Vega & Meredith Blackwell

Bringing pathogens from the laboratory to the field: case studies
Organizer: Vince d'Amico

Tuesday 03 August
Symposia:
Can microsporidia be seriously considered as biological control agents?
Organizer: Rudolf Wegensteiner

Oryctes virus – from discovery to classical microbial control agent
Organizers: Trevor Jackson & Suzanne Thiem

Wednesday 04 August
Symposia:
Genomics and pathogenesis of invertebrate pathogens
Organizers: R. Aroian, D. Ellar & M. Adang

Nematodes and cold adaptations
Organizer: Patricia Stock

Fungi and nematodes under unfavourable conditions
Organizers: Solveig Haukeland-Salinas & Ingeborg Klingen

Role of native immune systems/molecular host response
Organizer: Diane Cox-Foster & John Burand

Workshops:
Genome analysis methodology
Organizer: Johannes Jehle

Status of microbial control products: news from the industry
Organizers: Wendy Gelernter & Jeff Lord

Thursday 05 August
Symposia:
New advances in research and development of insecticidal proteins
Organizers: James Baum & Trevor Jackson

Microbial control in greenhouses and nurseries
Organizers: Jean-Louis Schwartz & Patricia Stock

Workshops:
Risk assessment
Organizer: Tariq Butt

SIP education workshop
Organizer: Helen Roy

Election Results

President: Dr. Just Vlak

Vice President:
Dr. Wendy Gelernter

Treasurer: Dr. Suzanne Thiem

Secretary: Dr. Peter Krell

Trustees: Drs. Patricia Stock & Bonifacio Magalhaes (2004-2008)

Continuing Trustees: Drs. John Vandenberg & Alejandra Bravo (2002-2006)

ADDITIONAL MEETING ANNOUNCEMENTS

Microbial control companies and researchers: an invitation to present
The Microbial Control Division will sponsor a workshop entitled "Status of microbial control products: news from the industry" on Wednesday, August 4 at the SIP's annual meeting in Helsinki, Finland. If you have new information on microbial control products that you would like to present in an informal 5 – 7 minute talk, please contact workshop organizers Wendy Gelernter, [Email: gelernt@paceturf.org] or Jeff Lord, Email: [lord@gmprc.ksu.edu] and let them know your topic, your name and affiliation, and your audio-visual requirements. We look forward to seeing you in Helsinki!!

FOUNDER'S LECTURE

Dr. H. G. Boman
Founder's Honoree 2004

Professor Hans Boman was born on the 16th of August, 1924. After attending schools in Finland and in Sweden, he was admitted to Uppsala University, where he graduated with a Bachelor of Science degree with a major in chemistry. One of his earliest publications from Uppsala is a paper on

the chromatographic separation of proteins (Nature 170 : 703 (1952)). He remained at Uppsala for

Professor Boman

postgraduate studies under Professor Arne Tiselius, and in 1958 he received a doctorate degree for his research on phosphoesterases.

From 1958 to 1960, he was a postdoctoral research associate with Professor Fritz Lipmann at the Rockefeller University in New York, where he worked on biochemical aspects of RNA. In 1960, he returned to Sweden to take up a position as Docent in Molecular Biology at Uppsala University where he continued his research on the methylation of RNA.

In 1966, he was appointed Professor of Microbiology at the University of Umea, where he worked on antibiotic resistance mechanisms in bacteria, notably on the mapping and function of chromosomal penicillinase. It was during this period at Umea that Professor Boman published his prescient paper on the inducible antibacterial defence system of *Drosophila* (Nature: 237: 232-235 (1972))

Professor Boman was appointed to the Chair of Microbiology at the University of Stockholm in 1976, where he remained until his retirement in 1990. During this period he continued his research on insect immunity and with his colleagues reported the purification and some of the properties of antibacterial proteins from *Hyalophora cecropia*, (Eur. J. Biochem. 106: 7-16 (1980). This publication was followed in 1981 by the seminal paper describing the structure and immune function of one of the important classes of antimicrobial peptides, the cecropins, (Nature 292: 246-248 (1981). This paper stimulated the wider investigation of antimicrobial peptides from a variety of hosts by many research groups around the world. In his recent review of antimicrobial peptides, (Journal of Internal Medicine, 254: 197-215 (2003), Professor Boman reported that more than 800 sequences of antimicrobial peptides and proteins have been recorded from many species of insects, vertebrate animals and plants.

Following his retirement from the University of Stockholm, Professor Boman has continued his research as Professor Emeritus at the Karolinska Instutet. Much of his recent work has been on the molecular genetics, structure and role of antimicrobial peptides in human and veterinary immune systems, where he continues to make important contributions including a cDNA clone for the first human cathelicidin and cecropin-like molecules from *H. pylori* ribosomal protein.

Dudley Pinnock

Footnote:
One area of human medicine where the innate immune system of insects may play a crucial role is that of the transmission of malaria parasites by *Anopheles* mosquitoes. A recent paper by Christophides *et al* (Science 298: 159-165 (2002) reported that the Anopheline genome includes four cecropin genes and four defensin genes that are induced by a *Plasmodium* infection, and in a later paper, Yoshida *et al* reported that a single chain immunotoxin with a cecropin-like effector could kill *P. berghei* ookinetes *in vitro*. It remains to be seen whether these findings, which relate back to Professor Boman's pioneering research on the innate immunity of *Drosophila* and *Hyalophora*, may lead to a means of breaking the transmission of the malaria parasite from mosquito to man. Such an outcome would be a fitting tribute to an outstanding scientist, Professor Hans. G. Boman.

Professor Kenneth Söderhall
Founder's Lecturer 2004

Kenneth Söderhäll studied chemistry, biology and biochemistry at Uppsala University, obtaining his MSc degree in 1972 and PhD in 1978, also at Uppsala University. He was promoted to Associate Professor (Docent) in 1980. During his PhD he worked with the so-called proPO-system and discovered for the first time that fungal beta-1,3-

Professor Söderhall

glucans could induce activation of the proPO-system in an invertebrate. After his PhD programme, he worked in many different laboratories as a post-doc or as a guest scientist at the University of Montpellier / St. Christol, Cambridge University in England, Medical Cell Biology at Tromsö University, Millport Marine Biological Station in Scotland, University College of Wales in Swansea, The Marine Biological Laboratory at Woods Hole in 1981-1983, and in 1986 he held a Royal Society Fellowship to work with Norman Ratcliffe in Swansea.

With Valerie J. Smith, Dr. Söderhall developed a new method to isolate and separate blood cells from invertebrates, which was based on using an anticoagulant with a low pH and EDTA, a method now used to isolate most invertebrate blood cells. When he came back to Uppsala he obtained a position as a Researcher at the Swedish Science Research Council and he was appointed to Professor and Head of Department at Uppsala University in 1989. He continued with research mainly on the proPO-system in arthropods, and was first to clone proPO from an invertebrate. He has also spent some efforts on fungal research especially on invertebrate pathogenic and mycorrizhal fungi.

He is presently on the Editorial Boards of *Diseases of Aquatic Organisms* and *Fish and Shellfish Immunology* and has previously served on *Journal Experimental Zoology, Animal Biology , Journal of Invertebrate Pathology* and *Developmental and Comparative Immunology.*
Since 2000 he is a co-editor-in-chief for the journal *Developmental and Comparative Immunology* and is responsible for all manuscripts dealing with invertebrates. He is president-elect of the International Society for Developmental and Comparative Immunology and will become President in 2006.

He has supervised 23 PhD students and has had a large international collaboration with many guest scientists and post-docs working in his lab. Presently he is Head of the Department of Comparative Physiology and Deputy Chair of the Institute of Physiology and Developmental Biology at Uppsala University.
Homepage: http://www.jamfys.ebc.uu.se/ks.html

FROM THE PRESIDENT

The 37th Annual Meeting of the Society and the 7th International Conference on *Bacillus thuringiensis* in Helsinki will be soon upon us. The participants have submitted their abstracts to Lena Huldén and are working on their presentations. The Division Chairs have completed the task of organizing their symposia as well as the interdivisional symposia.

The Program Chair, Joergen Eilenberg, and his Committee have organized the plenary sessions and have a good idea where the various symposia, poster sessions, contributed papers, workshops and Division meetings fit in the overall scheme within the meeting dates. But the Program Committee's work has only begun as the abstracts must be compiled and indexed, and students who are in the paper/poster competitions must be properly identified so that the judges can attend and/or view the presentations. All of the sessions and meetings must be scheduled within a given time frame with a minimal overlap of topics. Moderators for each oral session must be contacted and if they are

giving presentations themselves, care must be given so that there is no time conflict for them. The work has to go quickly to get everything done well before the meeting. Still, there are many other details that will require the Committee's attention.

The Local Arrangements Chair, Heikki Hokkanen, and his Committee were hard at work even before Helsinki was selected as the meeting site for 2004. The foundation for the Helsinki meeting took much thought and preparation over several years. Heikki prepared a proposal that was approved by the Meetings Committee, chaired by Mark Goettel, and the proposal was discussed and approved by Council soon after the Netherlands meeting in 2001. The meeting rooms, the hotel accommodations, the registration costs, the travel details, 5-K run, the T-shirts, the food for the opening night mixer, banquet, BBQ, excursions, etc. had to be worked out. A web site was created for the meeting so that on-line registration could take place. No one individual can handle all these items, and responsibilities for various tasks had to be parceled out to committee members and other volunteers. Even after the meeting is over, a financial report must be turned in to Council to show income and expenditures.

SIP is most fortunate to have our members serving the Society so well. I began my message by pointing out the great work that is being done by Joergen, Heikki, Lena, and their Committee members for a specific reason. During the last week in April, I received a phone call from an individual who is a member of a diverse scientific society (it covers both plants and animals) that is similar in size to SIP. The individual was calling to see how SIP was doing in comparison with their society. This society has an office located on the East Coast of the United States, and it houses the executive secretary and a few staff members who oversee the operation of their society. The executive secretary makes the final decisions on major issues including where meetings will be held. I assume, however, that these decisions are done in consultation with their elected officers. In addition, they publish a journal. In our exchange, the individual, who happened to be an entomologist, was surprised that so many SIP members devote their time and energy to making our Society what it is. I told the interviewer that SIP is much more a family affair and that we are a close-knit group. There is a bond among the members and many of us attend the meetings year after year. We attend SIP meetings because of the scientific exchange, the camaraderie, and the family atmosphere that exists among our members. We try to foster these characteristics to the graduate students and the new scientists who join SIP.

I would like to commend all the individuals who have devoted their time and energy to SIP. Other members may be contemplating serving the Society in some capacity in the near future. The reasons for serving the Society vary. Some serve the Society and discipline to give back to others what they have received through the years. Younger (or older) members can interact with their junior and senior colleagues and learn more about the operations of SIP. When we have meetings in different countries or different regions of the same country, the organizers can highlight their research in their institution or country and/or region. Often, the country is proud to highlight the accomplishments that have been attained by their scientists. I point to Iguassu Falls where the accomplishments of invertebrate pathologists were highlighted not only for Brazil, but also for all of South America. The same can be said for meetings held in Canada, Japan, Mexico, and The Netherlands. At The Netherlands meeting, which was originally planned to be held in Israel, the accomplishments of the Israeli scientists were also highlighted. In Helsinki, we will learn more about the accomplishments of our Nordic invertebrate pathologists.

With the great effort from a number of members, SIP has saved an immense amount of money. Costs for meetings are lower and meeting dates are more flexible because of the commitment made by those who have served as chairs of the Local Arrangements and Program Committees. Imagine what the Newsletter would cost us if we have had to hire someone to produce it for us? It would not have the same personal touches past editors and current editors, Lee Solter, Gernot Hoch, and Vince D'Amico put into each issue. We would not have a SIP logo if Ted Andreadis did not approach me about the subject in Iguassu Falls. The various committees have also spent a significant amount of time on behalf of SIP. I thank all of you who have stepped forward and served SIP well. I know that there will be more SIP'ers who will come forth to serve in the future. That is what keeps the family atmosphere and makes SIP a great scientific organization.

Harry Kaya

ANNOUNCEMENTS

Dear SIP Members and Colleagues:

We could use your assistance in gathering information on the past uses of entomopathogens for classical biological control of arthropod pests. Our intent is to compile what is known about historical attempts to utilize entomopathogens for biological control and to publicize the fact that these organisms have been underutilized by the biological control community. Though we have accumulated a significant listing of references through literature searches, etc., we are aware of the fact that many past attempts might not have been published and we might not have found all of them in the literature.

Ultimately, we would like to publish a listing of introductions/releases similar in format to the CABI publication "Biological Control of Weeds: A World Catalog of Agents and their Target Weeds " Fourth Edition, 1998 [M.H.Julien and M.W. Griffiths, eds].
We would like to obtain the following information:

Where the pathogen originated
The name of the pathogen
When and where it was released
The host it was released against
Did it establish?
Did it provide control (negligible, substantial, complete)?

Any information that you can provide should be sent to:
Dr. Ann Hajek, Department of Entomology
Cornell University, Ithaca, NY 14853-0901
aeh4@cornell.edu

Thanks for your assistance,
Ann Hajek,
Mike McManus
Italo Delalibera, Jr.

By-Laws Amendment

Proposed Amendment to the By-laws of the Society for Invertebrate Pathology to be considered for adoption at the regular business meeting of the Society in Helsinki, Finland in August 2004:

Explanation of Proposed Change
The proposed change to the By-laws is to add three new standing committees to the existing five standing Committees established in this Section, which are (a) Nominating Committee, (b) Membership Committee, (c) Annual Meeting Program Committee, (d) Publications Committee, and (e) Meetings Committee. The three committees recommended for addition and described below are currently *ad hoc* committees with multiple-year histories, and which are now considered essential to the regular operation of the Society and thus deserving of standing committee status.)

ARTICLE VI COMMITTEES
Section 4. Standing Committees (Propose to add the following)

(f) An Endowment and Financial Support Committee shall be appointed by the President and shall consist of a Chairperson and three or more additional members, including the SIP Treasurer, who shall serve in an *ex officio* capacity. The Endowment and Financial Support Committee shall be responsible for solicitation of funds to establish new Society endowments as deemed appropriate by Council and to increase the principal of existing endowments. The Committee will also be responsible for solicitation of funds from donors to support the annual meetings of the Society and will coordinate its activities with those of the Division officers and the Annual Meeting Program Committee.

(g) A Founders' Lecture Committee shall be appointed by the President and shall consist of a Chairperson and three members and not Officers as defined in CONSTIT. ART. IV, sect. 1. The Founders' Lecture Committee shall annually select an individual who is considered to have made such meritorious contributions to the science of invertebrate pathology that he/she has significantly influenced the origin, direction, recognition, or science of invertebrate pathology as a distinct discipline. The Committee shall solicit the Society membership and other sources as appropriate for honoree recommendations. In addition, the committee shall solicit names of an appropriate Member to serve as Founders' Lecturer. The Founders' Lecturer will prepare and deliver a lecture during the Plenary session of the Society's Annual Meeting in honor of the Founders' Lecture Honoree. The recommendations of the Committee for the Honoree and Lecturer will be submitted to the President and Council by the committee chairperson, and when approved by Council, the Committee will then manage all other aspects of the lectureship as needed to insure a successful lecture

and appropriate recognition of the Honoree and Lecturer.

(h) An Awards and Student Contest Committee shall consist of a Chairperson and three or more members appointed by the President (with information to but without approval by the Council) and not Officers as defined in CONSTIT. ART. IV, Sec. 1. The Awards and Student Contest Committee shall have the responsibility to solicit nominations for and determine recipients of all awards given by the Society (exclusive of Founders', Division, and Program Committee awards), which are made through provisions of Society endowments or by action of Council. The Committee shall be responsible for all aspects of organizing a student presentation competition at each annual meeting of the Society, for determining the winners of these competitions, and for recognizing the winners during the meeting. The Committee will coordinate its activities associated with this annual competition with the President, Program Committees, Division officers, and Newsletter Editor to insure maximum participation by and recognition of student members at the annual meetings of the Society.

OBITUARIES

Geoffrey Clive Simmons
13 September 1924 - 16 June 2002

Geoffrey Clive Simmons BSc, DSc was born in Adelaide and graduated with a BSc at the University of Adelaide in 1945. Geoffrey Simmons joined the Society in 1968 and maintained a long connection as an Emeritus member. He did not report any research in invertebrate pathology but had broad ranging interests in microbiology as a whole.

In 1946, he accepted a position as Assistant Bacteriologist at the Animal Health Station at Yeerongpilly, Brisbane, where Simmons spent his entire professional career of 39 years, rising from Assistant Bacteriologist to Assistant Director, Pathology Branch.

The *History of Microbiology in Australia* records Geoff Simmons as being one of the finest diagnostic microbiologists in Australia. He was one of the old school of microbiologists who worked in all the sub-disciplines of microbiology and was not restricted to one specialist area such as bacteriology. He was an inspirational leader of the group of 44 graduates at the Animal Research Institute and collaborated with some of the great names of Australian microbiology and veterinary medicine. He was a significant mentor of the earliest research performed by Peter Doherty, the only veterinarian to win the Nobel Prize for Medicine.

In the late 1940s and early 1950s, Geoff Simmons worked on laboratory diagnostic methods for *Leptospira interrogans* serovar *pomona* and pioneered methods that are still in current use. With co-workers, he provided the first experimental evidence that the organism caused abortion and still births in sows. Geoff Simmons developed a deep interest in the bacteria that cause infertility in sheep and was involved in the isolation, identification and naming of the two most significant causes of sheep infertility – *Actinobacillus seminis* and *Brucella ovis*.

Simmons isolated the first nonpathogenic Australian strain of the Newcastle Disease virus and showed that chickens could be infected with the virus without exhibiting the clinical signs of Newcastle Disease. The Australian poultry industry now uses the strain that Simmons isolated as one of the means of controlling the problems with Newcastle Disease.

Simmons was also an early and active worker in the food safety area, creating a group that did much of the early Australian work on the important pathogens *Salmonella* and *Campylobacter*. As well, he was the Queensland laboratory leader of the program that successfully eliminated brucellosis and tuberculosis from the Australian cattle herd.

Simmons was universally recognised by his veterinary and scientific colleagues both here and overseas, being made an Honorary Life Member of the Australian Society for Microbiology and the Australian Veterinary Association. The formal academic recognition of Simmons was highlighted with the award of Honorary Doctorate in Science by the University of Queensland in 1984 (the year of his retirement). While the years of his retirement were blighted to some degree by ill-health, he never let these problems prevent progress on his retirement challenge – converting a scrubby and rocky allotment north of Caboolture into a botanical wonderland. The task was, by its nature and the constant botanical experiments that he undertook, never-ending. Simmons continued to remain keen on his science to the end – he provided newspaper

cuttings and suggestions for a new research project on mad cow disease in early 2002!!

He died peacefully at home and is survived by his sister-in-law and several nieces and nephews.

P. Blackall, D. Connole, J. Elder, L. Laws, R. Akhurst

MEMBERS ON THE MOVE

Surendra Dara has recently joined the Department of Nematology at the University of California, Davis as a post-doctoral research associate. He is working at the Shafter Research and Extension Center, Shafter on microbial control of the glassy-winged sharpshooter (GWSS), *Homalodisca coagulata*. Surendra is enjoying the new challenge of being a part of the team working on GWSS control and particularly working with Drs. Harry Kaya and Mickey McGuire. His new contact information is:
Shafter Research and Extension Center
17053 N Shafter Ave.
Shafter, CA 93311
Phone: 661-746-8013
Fax: 661-746-1619
E-mail: skdara@ucdavis.edu

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.

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

MEMBER NEWS

Dr. Vladimir Gouli has notified SIP of the serious illness of Dr. Vsevolod Shapa (Sapa), former organizer and first director of the All-Union Research Institute for Biological Plant Protection, Chisinau City (former Soviet Union), Moldova. Please contact Dr. Gouli (vgouli@uvm.edu) for additional information concerning Dr. Shapa.

POSITIONS AVAILABLE

A postdoctoral scientist position is available immediately at The Connecticut Agricultural Experiment Station to investigate the ecology, physiology and control of urban *Culex* mosquitoes as it relates to the epidemiology of West Nile virus in the northeastern United States. Candidates must possess a Ph. D. degree in entomology, ecology or related field with experience in field ecology, and a demonstrated record of research productivity. Experience working with mosquitoes, ticks or biting flies is desirable. The successful candidate will be expected to conduct independent research with an existing team of medical entomologists and virologists. Facilities include a new fully equipped BSL-3 laboratory, pathology and molecular biology laboratories, animal rearing facilities, mosquito and tick colonies, and an electron microscope facility within the Experiment Station; and a DNA and protein-sequencing center at nearby Yale University. Areas of research may include studies in population ecology, physiology, blood-feeding and host-seeking behavior, spatial and temporal distribution patterns, molecular genetics, vector competence and/or biological control. Opportunities are available for attendance at professional meetings, writing research proposals, and publication of research findings. Appointments will be for a term of two to three years with an extension commensurate with performance and the availability of funding. The starting salary is $35,221/yr with medical and dental benefits. Interested candidates should submit a (1) detailed curriculum vitae, (2) statement of research interests and goals, (3) reprints of recent papers, (4) university transcripts, and (5) three letters of recommendation with contact information to:
Dr. Theodore Andreadis
The Connecticut Agricultural Experiment Station
123 Huntington Street
P. O. Box 1106
New Haven, CT 06504
E-mail: theodore.andreadis@po.state.ct.us
The Connecticut Agricultural Experiment Station is an Affirmative Action/Equal Opportunity Employer.

A postdoctoral position is available immediately for mutagenic, biochemical, and genetic studies of baculovirus late transcriptional regulation. Studies will focus on a group of late expression factor (lef)

genes with the goal of identifying their roles in regulating late transcription. Research will involve the generation and use of gene knockouts (using viral genomes propagated in BACs) in combination with a baculovirus microarray for identifying global effects of single regulatory gene knockouts. Genetic analysis of lef knockouts will be followed by more detailed transcriptional analysis. In addition, studies will include mutagenesis and characterization of potential functional domains of selected LEF proteins. Experience in virology and/or molecular-cellular biology preferred. Experience with techniques such as site-directed mutagenesis, Northern blot and primer extension analysis, protein expression and purification is desirable. Experience with or desire to work with microarrays is also important.

Applicants should have excellent communication skills in written and spoken English, and should be highly motivated. Contact information for applicants: Interested applicants should send CV, a letter describing educational background, experience and research interests, and names of three references to:
Dr. Gary Blissard
Boyce Thompson Institute at Cornell University
Tower Road
Ithaca, NY 14853
E-mail: gwb1@cornell.edu

Postdoctoral research associate will conduct comparative studies of the molecular biology of viral envelope (integral membrane protein) sorting and trafficking to nuclear membranes. Research involves characterization of protein facilitated and protein regulated multi-step processes and involves studies of protein-protein interactions (background and training should be consistent with these studies). Research will be reported and published in a timely manner in refereed journals. Experiments may require standing at work bench for extended periods of time and may involve the use of radioactive and other hazardous materials and with animals (specifically rabbits and mice). Individual must be able to communicate effectively in English (both oral and written). Professional attitude and service are expected. Other duties as required. *Must be able to work with radioactive and other hazardous materials in the conduct of research activities and with animals (specifically rabbits and mice).*

Ph.D in Biochemistry, Molecular Biology, Molecular Genetics, Microbiology or closely related field. Requires refereed publications demonstrating ability to independently carry out research under the supervision of the PI. Must have demonstrated abilities to critically assess research and research results and publish in English. Requires ability to multi-task and work cooperatively with others.

Training/experience in membrane biology/biochemistry, protein trafficking and interaction is preferred. Prefer practical hands-on experience/training. Position will require excellent management skills with regard to work responsibilties and interactions with other personnel as well as good organizational and time management skills.
Contact information for applicants:
Dr. Max D. Summers
Distinguished Professor &
Holder, Chair in Agricultural Biotechnology
Texas A&M University, Department of Entomology
College Station, Texas 77843-2475
(979) 845-9730; FAX:(979) 845-8934
Web: http://www.tamu.edu/summerslab/
To Apply, Visit: http://greatjobs.tamu.edu/
A postdoctoral position is available immediately in a well-funded research laboratory for a highly motivated individual to join an active virus research group under Polly Roy (Roy, Orbivirus Structure and Assembly, Review Article, Virology 215:1-11). The laboratory is currently focused on various aspects of Arboviral replication and transmission, and in particular, double-stranded RNA virus research including reverse genetics, transcription/replication processes, virus assembly mechanisms, virus-host interactions and protein crystallization.

Preference will be given to applicants with extensive knowledge in molecular virology, especially animal RNA viruses, and a good publication record in the field of Virology. Interested candidates should send their CV and the names and addresses of two references to Sharon Montgomery, University of Alabama at Birmingham, Department of Medicine/Division of Geographic Medicine, BBRB 203, 845 South 19th Street, Birmingham, AL 35294-2170; Ph: 205-934-6748, or 975-2631, FAX: 205-934-5600. Email: liq@geomed.dom.uab.edu or sharonm@uab.edu. Salary is negotiable and based on qualifications and experience. *The University of Alabama System is an Equal Opportunity, Affirmative Action Employer*.

Contact information for applicants:

Qianjun Li, Research Assistant Professor
University of Alabama
E-Mail: liq@geomed.dom.uab.edu

Post-doctoral position available in the laboratory of Dr. Richard W. Moyer at the University of Florida to study interesting aspects of an entomopoxvirus, AmEPV. The goal of this NIH-funded research is to characterize novel proteins encoded by entomopoxviruses related to pathogenesis and disease. Possible projects include examining the role of the ABC transporter or the Kunitz inhibitor.

Applicants should be highly motivated, able to communicate well and work with other members of the lab. The successful candidate must have strong molecular biology skills and a good command of both written and spoken English. Individuals with protein chemistry and/or insect physiology backgrounds are encouraged to apply.
The University of Florida is an Equal Employment Opportunity/Affirmative Action Employer.

Contact information for applicants:
Dr. Marie Becker
Dept. Molecular Genetics and Microbiology
PO Box 100266
University of Florida
Gainesville, FL, 32610
E-mail: mnbecker@ufl.edu

PAST MEETINGS AND WORKSHOPS

Costa Rican Course
Biology, Ecology and Systematics of Insect Parasitic Nematodes. An Alternative for IPM of Agricultural and Urban Pests
March 23-27, 2004

The nematode ID laboratory kept participants very busy. After the final test…a glass of wine was just perfect!

Agronomists, biologists, graduate students and entrepreneurs from Costa Rica and Spain participated in this course, which took place in March 23-27, at the CIA (Centro de Investigaciones Agronomicas), Universidad de Costa Rica. The course was lectured in Spanish by Patricia Stock, University of Arizona, and Lorena Uribe-Lorio (CIBCM) and Lidieth Uribe-Lorio (CIA) were the local organizers. More than 40 hours of lectures, laboratories and a field trip provided participants with a thorough grounding in all aspects of practical Insect Nematology. We are very grateful to CIA, CIBCM (Universidad de Costa Rica) and the American Association for the Advancement of Science for sponsoring this course.

FUTURE MEETINGS AND WORKSHOPS

Future SIP Meetings

SIP 2004!!
Helsinki, Finland
August 1-6

Joint Nordic Meeting

SIP 2005
Anchorage, Alaska
August 7-11

SIP 2006
Wuhan, China

July 12-15, 2004. NATO Advanced Research Workshop on Microsporidia from Invertebrate and Vertebrate Hosts in Ceske Budejovice,Czech Republic. Conference details: www.paru.cas.cz/microsporidiaworkshop:

August 7-11, 2004. Annual Meeting, Society Of Nematologists, Estes Park, CO, USA.
Contact: SON, PO Box 311, Marceline, MO 64658, USA. Email: SON@mcmsys.com. Fax/phone: 1-660-256-3252.
Web: http://www.nematologists.org/annualmeeting

August 15-21, 2004. 22nd International Congress Of Entomology, "Strength in Diversity"

Brisbane, Australia Contact: Carillon Conf. Mgmt., PO Box 177, Red Hill, QLD 4059, Australia.
Fax: 61-7-3369-3931. Email: ICE2004ccm.com.au;
Phone: 61-7-3368-2644; Web: http://www.ICE2004.org

Entomological Society of America Annual Meeting
November 14-17, 2004, Salt Lake City Utah
www.entsoc.org/annual_meeting/2004/ameeting.htm

ESA is planning on a meeting of olympic proportions! Fresh from the 2002 Olympics, Salt Lake City will host the ESA Annual Meeting in 2004. Check the Salt Lake City Convention and Visitors Bureau, to see all that Salt Lake has to offer (www.visitsaltlake.com/home.shtml).

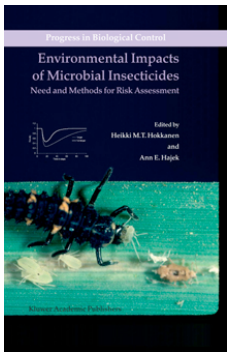
PUBLICATIONS

***Bacillus thuringiensis*, a Cornerstone of Modern Agriculture. 2003. M. Metz, Editor. Haworth Press, Inc.,**

Eight review articles and four research papers comprise *Bacillus thuringiensis*, A Cornerstone of Modern Agriculture, a 2003, softbound publication that, according to the publisher, presents "a well-rounded discussion of the most pressing issues surrounding *Bt* technology," such as its use, impact, and emerging concerns. In 264 pages, editor M. Metz includes work by more than 30 authors from academia, industry, and government, building on two common themes: safety of Bt to non-target organisms (including humans), and the importance of developing and implementing effective resistance management strategies. *Bt* technologies are evaluated in comparison to other pest management approaches. Dr. Metz concludes his articulate preface by noting that, "Bt has been and will likely continue to be at the forefront of innovations for, and deliberations about, modern agriculture.

Hayworth Press, Inc.
10 Alice St., Binghampton, NY 13904-1580, USA.
E-mail: mailto:orders@HaworthPress.com
Fax: 1-607-771-0012; Phone: 1-607-722-5857
Web: http://www.haworthpressinc.com
Information from: IPM NetNews, March 2004

Environmental Impacts of Microbial Insecticides: A Need for Risk Assessment
H.M.T. Hokkanen & A.E. Hajek, Editors
Kluwer Academic Publishers, 269 pp.
ISBN 1-4020-0813-9
EUR110; US$121.00



"Environmental Impacts of Microbial Insecticides" originated from a symposium of the same title held at the 34th Annual Meeting of the Society for Invertebrate Pathology, Noordwijkerhout, The Netherlands. The editors and most of the contributors are SIP members.

The following abstract is from the Kluwer website:
Biological pesticides are increasingly finding their place in IPM programs, and the number of products finding their way to the marketplace is growing. While in many parts of the world implementation is proceeding on a large scale, in the USA and Europe registration procedures have been established to provide a low level of risk, but at the cost of retarding the implementation of microbial agents. This book will respond to the growing need to assess non-target impacts of biological pest control methods. So far, no review - let alone a handbook - exists on how to carry out the required assessments in practice, and what a particular outcome from an assessment might imply in terms of environmental risk or registration requirements. This book is intended to fill that gap. It should be of interest to many professional groups, including the scientific community involved in integrated pest management, crop protection, biological pest control, and ecology; regulatory authorities in countries around the world; ministries of agriculture; commercial companies developing biopesticides and firms carrying out environmental impact assessments; and universities with curricula

in biological pest control and environmental sciences.

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
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jbecnel@gainesville.usda.ufl.edu

IPM: Education for Youngsters

IPM is a demanding enough concept for adults to comprehend. Now, a lively, 2003 booklet meets the challenge of effectively exposing the younger set to IPM. The 30 pages of Join our Pest Patrol, A Backyard Activity Book for Kids--On Integrated Pest Management, present a mind-boggling range of activities that can incorporated into reading, science, and even math and art classes. While the text, originally prepared by IPM specialist J. Ciborowski and colleagues in the state of Minnesota's Dept. of Agriculture and then adapted for nationwide use by staff at the U.S. Environmental Protection Agency, is geared toward grade levels 3-5, it can be easily adjusted for higher or lower grades. Each of the many activities within the various sections, e.g., "Fighting Pests with the 3Ps, Predators, Parasites, and Pathogens," include factoids and even practical "tips for grownups." There are puzzles, quizzes, games, and abundant graphics, as well as numerous listings of relevant websites so educator's can expand the range of information for their students. Copies of the softbound, black/white publication (no. 735-F-03-002) are free.

USEPA/NSCEP, PO Box 42419, Cincinnati, OH 45242-0419, USA.
E-mail: mailto:ncepimal@one.net
Phone: 1-513-489-8190.

Information from IPM NetNews, March 2004

MICROBIAL CONTROL NEWS

U.S. Builds Biotech Information Site

Several U.S. governmental agencies have jointly prepared and launched the United States Regulatory Agencies Unified Biotechnology Website to serve as a source of information about the U.S. oversight system for products of modern biotechnology.

The site, http://usbiotechreg.nbii.gov (NBII= National Biological Information Infrastructure), includes information concerning the roles of regulatory agencies and links to relevant statutes and regulations. The centerpiece of the website is a searchable database containing information on all genetically engineered crop plants--intended for food or feed--that have completed the recommended or required reviews for food, feed, or planting use in the U.S.

A "frequently-asked-questions" section lists, and provides answers to, more than a dozen issues such as, "What kinds of products are included in the database?" Instructions are also set out for conducting efficient searches of the database. Other sections cover the Role of U.S. Agencies, Laws and Regulations, and offer a list of additional pertinent sites.

The website and database--available to all--were constructed by the United States: Department of State; Department of Agriculture; Envirpnmental Protection Agency; Food and Drug Administration, and the Geological Survey.

IPM NetNews, March, 2004

And so we bid farewell to the beautiful and pastoral scenes of Burlington, Vermont. Already, now that June has come, the winter snows are beginning to melt, and brewers are revving up production for a new round of appreciative drinkers. For the folks of the SIP - it's Finland 2004! Kippis!