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Deadline for the next issue is September 15, 2007.

Secretary/Editor's Message

Not much news to report. So only a brief message this newsletter.

There are less than three weeks to go before the start of the annual meeting in Jena, Germany. An excellent program has been arranged by Wilhelm Boland and his committee. An update on the meeting is given below.

Congratulations to Wilhelm Boland, Jörg Bohlman, Angel Guerrero, Aijun Zhang and Caroline Müller for their election victories. The time they serve on the Executive/Council of ISCE gives them a great opportunity to bring their ideas to council meetings and shape the direction of the society. They will replace Tom Baker (on council as former president), Bill Hansson, Erika Plettner and Johannes Steidle, whose terms are coming to an end.



See you at the meeting!

Stephen Foster
Secretary, ISCE

Update on Annual Meeting

The 23rd Annual Meeting of the ISCE in Jena (Germany), from July 22-26, 2007 is coming up soon. The meeting will bring together interested people, from young researchers to experienced leaders, working on all aspects of Chemical Ecology.

We expect about 300 participants, with 260 already registered until end of June. Due to the very large number of submitted contributions, lectures were shortened to 15 min and parallel sessions were introduced on Wednesday and Thursday to give more applicants the chance for oral presentations. About 90 lectures and ca. 160 posters will be presented during the conference. The complete program can be downloaded <http://www.gdch.de/isce2007/final.pdf>

Twelve students/postdocs will receive the Travel Award of the Society and report their results in a block of short lectures.

Participants, which have not yet registered or made their hotel reservations, are requested to do this soon. Information on the Social program, accompanying persons program, and the excursions is available from the web <http://www.gdch.de/isce2007/jena.htm>. Bookings of the excursions must be completed ahead of the conference and will be not possible during the meeting.

Interested participants will have the occasion to visit the Max Planck Institute for Chemical Ecology during lunch time on Monday and Tuesday. Bus transport and guided tours through the institute are offered.

For further information and continuous update of the meeting, please contact the web page of the Society www.chemecol.org/ and/or that of the Gesellschaft Deutscher Chemiker <http://www.gdch.de/isce2007/>.

I look forward to meeting you all in Jena

Wilhelm Boland
President of the Organizing Committee

Election Results 2007

Vice-President



Wilhelm Boland studied Chemistry at the Universities Münster and Cologne and received his Diploma and Ph.D. from the University of Cologne in 1975 and 1978, respectively. He became Research Associate at the Institute of Biochemistry (University of Cologne) until 1987 and moved then to the University of Karlsruhe as a Professor for Organic Chemistry. In 1994 he became Full Professor for Bioorganic Chemistry at the University of Bonn. In 1997 he joined the Max Planck Society and became Director of the Department of Bioorganic Chemistry in the Max Planck Institute for Chemical Ecology in Jena. He was Managing Director of the newly founded Institute from 1997 to 2001. Since 1997 he has also been associated with the Friedrich Schiller University in Jena as an Honorary Professor.

Professor Boland was the 1st Simeone-Silverstein lecturer (1995) of the International Society of Chemical Ecology. He is a Fellow of the Royal Chemical Society of Great Britain, and a member of the NRW Academy of Sciences since 2003. In 2005 he received the Hans-Herloff-Inhoffen Medal from the Technical University and the Society for Biological Research in Braunschweig. His

major fields of research cover plant-insect interactions with special emphasis on induced defences in plants. Typical topics are: volatile biosynthesis, cross-talk between signalling pathways in plants, synthetic elicitors, and defensive chemistry in leaf beetles. He is a regular attendee at ISCE meetings and is on the editorial advisory board of Journal of Chemical Ecology.

Councilors

The following were elected to council, to serve for three years:



Dr. Jörg Bohlmann is Associate Professor, Distinguished University Scholar, and NSERC Steacie Fellow in the Michael Smith Laboratories at the University of British Columbia, Vancouver, Canada (since 2000). He received his Ph.D. from the Technical University of Braunschweig, Germany (1995). He was a postdoctoral fellow (1995-1997, Feodor Lynen Fellow of the Alexander von Humboldt Foundation) at the Institute of Biological Chemistry at Washington State University, Pullman, USA. He then joined the Max Planck Institute for Chemical Ecology in Jena, Germany (1998-2000). Jörg Bohlmann's research at the University of British Columbia deals with the genomics of defense against insects in conifers and poplars. Since 2001, he has been a project leader of two large scale international genomics project funded by Genome Canada. A major research focus in his laboratory is on the molecular biochemistry of terpenoid defenses in conifers.

Dr. Angel Guerrero is Professor of Research of the National Research Council (CSIC) in Spain. He studied Chemistry at the University of Barcelona (Spain) and received his PhD degree from the same University in 1974. During his postdoctoral period (1976-1979), at Cornell University under the supervision of Prof. Jerrold Meinwald, he discovered the fascinating world of Chemical Ecology. Back in Spain, he set up the first laboratory of this discipline in the country. After standing as Research Associate, he was promoted to Research Scientist in 1987 and to Professor of Research in 2001. He is author or coauthor of ca. 135 publications, 6 patents and has imparted more than 20 invited conferences in several universities and research centers. He has published and reviewed papers for the Journal of Chemical Ecology, actively participated in several ISCE meetings and hosted the 22nd ISCE Meeting in Barcelona, 2006. His main interests are focused on the identification, synthesis and biological activity of insect pheromones and the development of pheromone antagonists as potential agents for pest control.



Dr. Caroline Müller recently started as professor at the Department of Chemical Ecology at University of Bielefeld, Germany. After studying Biology at the Free University of Berlin, Germany, she obtained her PhD (1999) under the supervision of Prof. Monika Hilker, working on plant-insect interactions. A post-doc with Prof. Alan Renwick at Boyce Thompson Institute, Cornell University, USA followed in which she characterized feeding stimulants for potato specialists. In a second post-doc with Prof. Paul Brakefield in Leiden, The Netherlands, she worked on quantitative genetics of herbivorous sawflies and plant-insect-predator relationships. In 2003 she joined the group of Prof. Markus Riederer at University of Würzburg, Germany, where she led the group of chemical ecology. There, she studied, among other things, the role of plant surfaces in plant-insect interactions and co-edited a book on the Biology of the Plant Cuticle. Her research focuses on the chemo-ecology of secondary plant metabolites which are involved in feeding stimulation and which can be varied by herbivore attack and abiotic factors. Her teaching activities comprise lectures and practical courses in

chemical ecology, ecology and botany. She joined the ISCE as a member in 1998 and is a frequent attendee of the annual meetings of the society. She regularly publishes and reviews manuscripts in chemoecological journals including the Journal of Chemical Ecology and is associate editor of *Entomologia Experimentalis et Applicata*.

Dr. Aijun Zhang is a research chemist with the U. S. Department of Agricultural, Agricultural Research Service, Beltsville Agricultural Research Center, Chemicals Affecting Insect Behavior Laboratory in Beltsville, Maryland. He received his Ph.D. degree in Forest Chemistry in 1992 from State University of New York-College of Environmental Science and Forestry, Syracuse, New York, working on the pheromone chemistry of insect. He then took his postdoctoral training under the supervision of Dr. Wendell Roelofs in Cornell University, Geneva, New York. Dr. Zhang is a life time member of the International Chemical Ecology Society and attends the annual meeting since 1994 in Syracuse. He regularly publishes and reviews manuscripts in the Journal of Chemical Ecology. His major research currently is in the field of natural products, insect chemical communication, and the use of behavior-modifying chemicals for control of agricultural insect pests.

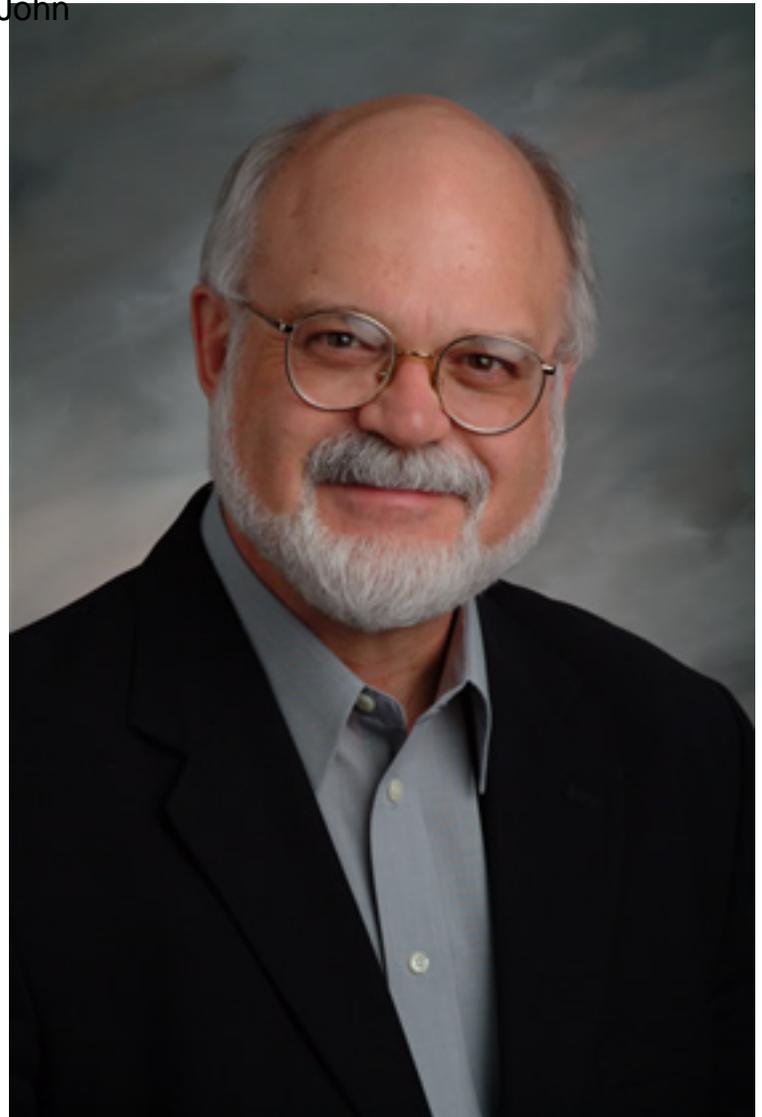


Member News



NWO/Spinoza award for Marcel Dicke (Wageningen University, The Netherlands)
Marcel Dicke received the NWO/Spinoza Prize 2007 for his chemical and molecular ecological research into the interaction between plants and insects. The NWO/Spinoza prize, also viewed as the 'Dutch Nobel Prize', is awarded to Dutch researchers who rank among the world's top scientists. The laureates are internationally renowned, and have a proven record of inspiring young researchers.

John



G. Hildebrand, the University of Arizona neurobiologist known for his seminal work on the neurobiology and development of insect olfactory systems and their effects on insect behavior, was elected to the National Academy of Sciences on May 1, 2007.

Election to membership in the academy is considered one of the highest honors a U.S. scientist or engineer can achieve. Hildebrand's work integrates several fields of biology, including anatomy, physiology, behavior, developmental biology, biochemistry and neurobiology.

Course of Interest



Semiochemicals in Pest Control and Conservation Biology

Graduate student course on the applications of pheromones, kairomones and other semiochemicals. Organized by the Department of Ecology, Lund University and the Department of Plant Protection Biology, Swedish University of Agricultural Sciences. The course will take place in Lund, Sweden, 3-14 March 2008.

Scope

Since the first identification of a pheromone over forty years ago the world of chemical signals has received much attention from scientists in biology, chemistry and agriculture/forestry. Many of the findings have come into practical use, mainly for monitoring or suppression of insect pests. Yet, a very small fraction of crop protection is based on semiochemicals, despite their obvious advantages over conventional insecticides. Why is this and what can be done to increase the applied use of these sustainable alternatives? More recently other possibilities to use odour signals have become obvious in e.g. detection of rare species. Can this be developed and used more widely in conservation biology? These are issues that will be dealt with during the course, which includes lectures, student presentations, exercises and discussions.

On the program

- Monitoring of pest species
- Monitoring of rare species
- Mating disruption
- Mass trapping, lure & kill, trap crop
- Repellence
- Calling for help, tritrophic interactions
- Chemistry from milligram scale to kilograms
- Commercial and legal aspects

Detailed program is not ready, but you may get an impression by looking at the schedule of the similar course given in March 2006. <http://www.pheromone.ekol.lu.se/semio-06.pdf> Note that specific titles and teachers might be changed.

Participants

Graduate (MSc, PhD) students in biological, chemical, agricultural or forestry disciplines.

Location

Department of Ecology, Lund University, Sweden.

Language

English.

Organisers

Professor Olle Anderbrant, Lund University & Professor Fredrik Schlyter, Swedish University of Agricultural Sciences.

Tuition fee

3000 SEK (about 325 euros) including excursion, and course dinner. Payment instructions will be sent to those that register.

Contact and Registration

Interested participants are kindly requested to **sign up** and enclose a short **description** of scientific experience and field of research as soon as possible, and at the latest February 1, 2008 to:

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Additional information can be found at the course web page

<http://www.pheromone.ekol.lu.se/semiochem-08.html>



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