



ISCE

NEWSLETTER

Volume 16, Number 1, February 1999.

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Editor: Jocelyn Millar / University of California, Riverside / Department of Entomology / Riverside / CA 92521 / U.S.A.
ISCE Newsletter is published tri-annually, in October, February and June. It is financed through member contributions.
None of the material contained herein may be reprinted without the proper written acknowledgement of the editor. Address all correspondence and newsletter submissions to the editor. Deadline for the next issue is **15 May 1999**.

There should be five inserts in this Newsletter: 1. Marseille general information/program/registration information sheet, 2. registration form, to be filled out by all members planning to register 3. student accomodation form, to be filled out only by students requesting student housing 4. abstract submission form, to be filled out by for each oral or poster presentation, including those submitted for student travel awards, and 5. Student travel award application. Please note that they go to different places and have different deadlines.

If you have not already done so, please pay your 1999 dues. Conference participants who are not paid-up members will be charged a surcharge equal to the annual membership fee in addition to the registration fee when they register.

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16th Annual Meeting, Marseille, France

Call for Papers

The 16th annual meeting of the Society will be held a little later than usual this year, from 13-17 November at the Hotel Concorde Palm Beach on the seafront in Marseille. The enclosures provide all the information required for accomodation, registration, and submission of abstracts. Please note that in addition to the accomodation at the meeting hotel, the organizers have made inexpensive accomodation arrangements for students, in either individual studio rooms, or in cheaper rooms shared with 1 or 2 others. The information and forms are all enclosed, and have been posted on the website, www.isce.ucr.edu/meetings/99/.

Because of the late meeting date, abstracts are due **31 August 1999**, to the conference host, Dr. Jean-Luc Clément. Details for preparation and submission of abstracts are on the enclosed forms. Please note that authors must preregister for the meeting (early registration deadline) in order to have their papers or posters accepted. Abstracts can be submitted by Email (on-line forms available) or by regular mail. Please follow the instructions carefully to minimize the work for Dr. Clément and his staff in preparing the abstracts for publication.

Preregistration forms and payments are due **15 June 1999**. Please send your filled-out forms with payment to PROMO SCIENCES: ISCE, Viviane Bernadac, Muriel Wagner, 48 Rue du Lacydon - F-

13002, Marseille , France. Please do **NOT** send your preregistration forms and payment to Dr. Clément. Payment must accompany the registration form if you plan on giving a poster or oral presentation. Payment must be in French francs, payable to ISCE'99, or by credit card. The full member registration fees cover accomodation and meals from the afternoon of the 13th to checkout on the morning of the 17th, as well as the conference registration. Provision has also been made for staying at the conference hotel at reduced rates either before or after the meeting. There are reduced registration rates for students and for those people who choose not to stay in the meeting hotel, and arrangements have been made for inexpensive student accomodation (see the special student accomodation form, which students must submit in addition to the registration form).

Student Travel Award forms must be submitted in triplicate by **1 June 1999**. Student travel award request forms should be submitted directly to Dr. Monika Hilker, the 1999 chair of the Student Travel Award committee. Her address is on the form. In addition, students applying for awards also must submit a regular abstract form in order to be included in the program.

The program committee is composed of Pr. J.-L. Clément (Marseille), Pr. J.M. Jallon (Orsay), Pr. J. Huignard (Tours), Dr. R. Brossut (Dijon) and Dr. M.-H. Pham-Delègue (INRA, Bures sur Yvette). The meeting will be organized around six themes covering a wide range of topics of interest to chemical ecologists, and anchored by six invited speakers as follows:

- Plant defence (Ted Turlings, Institute of Plant Sciences, Zurich, Switzerland)
- New technologies in chemical analysis (Jean-Claude Tabet, Université P.M. Curie, Paris, France)
- Sensory physiology (Ingrid Boekhoff, University of Stuttgart, Stuttgart, Germany)
- Molecular biology of odor reception (receptors, binding proteins, signal transduction) (Linda Buck, Harvard Medical School, Boston USA)
- Social communications (Eric Keverne, University of Cambridge U.K.)
- Venom and molecular targets (organizer, Hervé Rochat, Université de Marseille, France)

The program will consist of a mixture of oral presentations and poster sessions, and will run from Sunday morning through Tuesday afternoon. Poster presenters will be asked to introduce their posters in a series of brief 2-minute synopses immediately before the poster sessions. The business meeting is planned for noon on Tuesday. Contributed papers and posters may be submitted as described on the abstract submission forms.

Social Activities. In addition to the technical sessions, the organizers have arranged a busy social program, including the opening reception, a reception and concert in Marseille City Hall, and a closing banquet.

You also will be able to book sightseeing tours of the French Riviera and many local attractions at the conference desk. For tourist information check: www.lnb.cnrs-mrs.fr/ENGLISH/infos/loisirs.html.

Marseille-Provence international airport is connected to Paris airport by a shuttle every 30 minutes, and

by high-speed train (TGV, 4 hours). For more information check www.lnb.cnrs-mrs.fr/ENGLISH/infos/acces.html.

Further meeting details will be posted to the web page as they become available, and a summary of the final arrangements will be provided in subsequent Newsletters. For further information about the meeting, visit the meeting website at www.lnb.cnrs-mrs.fr/FRENCH/activ/Congress_ISCE.html, or the [ISCE website](#). For any problems with registration, abstract submission, etc., please contact Dr. Jean-Luc Clément at clement@lnb.cnrs-mrs.fr.

Future meeting sites are scheduled as follows: 2000, Poços de Caldas, Brazil (tentative dates, 15-19 August, timed to dovetail with the International Congress of Entomology in Brazil); 2001, Lake Tahoe, USA; 2002 (tentative), Hamburg.

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ISCE**AWARDS**

Past-President Tumlinson has announced that the 1999 ISCE Silver Medal, sponsored by Fuji Flavor Co., Tokyo, has been awarded jointly to Professor Elizabeth Bernays of the Department of Entomology, University of Arizona, Tucson, and Professor Reginald Chapman of the division of Neurobiology, Arizona Research Laboratories, University of Arizona, Tucson. The Silver Medal is presented in recognition of outstanding and long-term scientific achievement in the field of chemical ecology.

President Hildebrand also recently announced that Dr. Alan Renwick of the Boyce-Thompson Institute at Cornell University, Ithaca NY has been awarded the Silverstein-Simeone award, sponsored by Plenum Press. The Silverstein-Simeone award is awarded in recognition of outstanding research at the forefront of any field of chemical ecology. Past winners are listed below under the call for nominations for the year 2000.

The award winners will give lectures at the Marseille meeting, when the awards will be presented. Titles of the award lectures will be announced in a future Newsletter.

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ISCE**NOMINATIONS**

CALL FOR NOMINATIONS FOR THE YEAR 2000 SILVERSTEIN-SIMEONE

AWARD

The Silverstein-Simeone lecture and award was established by the ISCE in 1995 to honor Milt Silverstein and John Simeone for their contributions to the field of Chemical Ecology and for their long service as founding editors of the Journal of Chemical Ecology. It is presented each year to a scientist conducting innovative research on the "cutting edge" of science. The recipient of this award is asked to present a plenary lecture at the annual meeting of the ISCE and to publish a paper on the same topic in the Journal of Chemical Ecology. The expenses of the award recipient to attend the annual meeting are paid by the society through the generous sponsorship of Plenum Press.

The first four scientists to receive this award were:

- 1995- Professor Wilhelm Boland of the Institute for Organic Chemistry and Biochemistry at Bonn University, (now director of the newly formed Max-Planck-Institute for Chemical Ecology in Jena, Germany).
- 1996 - Professor Louise E. M. Vet of the Department of Entomology at the Agricultural University in Wageningen.
- 1997- Professor Clarence A. Ryan of the Institute of Biological Chemistry at Washington State University, Pullman.
- 1998- Dr. Ian Baldwin, Head of the Department of Molecular Ecology, Max-Planck-Institute for Chemical Ecology, Jena, Germany.

Please help the society by nominating someone who is doing innovative research in chemical ecology for the Silverstein-Simeone award for the year 2000. All that is required is a nomination letter explaining why your nominee deserves to be recognized for his/her innovative research, a Curriculum vitae, and a list of publications pertinent to the research on which the nomination is based. Please note that ISCE officers or councilors should not be nominated during their terms of office because of potential conflicts of interest during the selection process. Send your nominations to J. G. Hildebrand, President, ISCE, ARL division of Neurobiology, 611 Gould-Simpson Building, P.O. Box 210077, University of Arizona, Tucson AZ 85721-0077, by **1 April 1999**.

CALL FOR NOMINATIONS FOR THE YEAR 2000 ISCE SILVER MEDAL

The officers of the ISCE welcome nominations for the 2000 ISCE Silver Medal Award, sponsored by the Fuji Flavor Company, Ltd. (Tokyo). This award recognizes outstanding long-term scientific achievement in the field of Chemical Ecology. Past winners of the Silver Medal include:

- 1986: Robert M. Silverstein
- 1989: Murray Blum and Miriam Rothschild
- 1990: Wendell Roelofs and Dietrich Schneider
- 1991: Jerrold Meinwald and Thomas Eisner
- 1993: Jeffrey Harborne

- 1994: Gerald Rosenthal and Dan Janzen
- 1995: Wittko Francke
- 1996: Kenji Mori and Jacques Pasteels
- 1997: William Fenical
- 1998: Thomas Hartmann

The process of selecting the 2000 Silver Medalist will be completed at the 1999 ISCE meeting in Marseille. Nominations therefore must be received by **1 April 1999**, so that the Executive Committee and Councilors will have time to review the nominations and reach a timely decision. Executive committee members and councilors are excluded from nomination during their terms of office.

We are confident that there are several scientists who richly deserve this prestigious award. Please help to ensure that these colleagues are recognized through nomination for the award. The nomination procedure is very simple: we require only the nominee's Curriculum vitae, a list of publications, and a letter of nomination that explains the accomplishments of the nominee that qualify her/him for the award. Please submit nominations by **1 April 1999** to: Dr. Thomas Hartmann, ISCE Vice President, Institute of Pharmaceutical Biology, Technical University of Braunschweig, Mendelssohnstrasse 1, D-38106 Braunschweig, Germany.

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AWARDS

Professor Kenji Mori, past-president of the ISCE, is the 1999 winner of the American Chemical Society's Ernest Guenther Award in the Chemistry of Natural Products. The award was made in recognition of Professor Mori's tremendous achievements in the synthesis of natural products, particularly pheromones and other bioactive compounds, which have resulted in the publication of more than 600 papers and 20 books. The award also recognized Professor Mori's seminal contributions to our understanding of the importance of chirality of signal molecules such as pheromones and hormones in biological systems. In particular, Professor Mori and his research group embarked on a program of enantioselective and enantiospecific synthesis of biologically active molecules that spans several decades, and his group has produced large quantities of numerous enantiomerically pure compounds for testing by collaborators around the world.

Professor Mori received BSc. (1957), MSc. (1959), and PhD degrees (1962) from Tokyo University. He joined the faculty of the Department of Agricultural Chemistry of Tokyo University in 1962, becoming a full professor in 1978, and remained at Tokyo University until his retirement in 1995. Professor Mori currently holds joint positions as professor emeritus at Tokyo University, and full professor in the Department of Chemistry at Tokyo Science University. He has been honored with many awards, including the Silver Medal of our Society in 1996, and the Fujiwara Prize of the Fujiwara Foundation for

the Promotion of Science in 1998.

The award will be presented at the 217th national meeting of the American Chemical Society, 21-25 March 1999, in Anaheim, CA, USA.

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OBITUARY: PROFESSOR WILLIAM J. BELL

William J. Bell, Co-Editor of volumes 1 and 2 of "[Chemical Ecology of Insects](#)" and Professor of Entomology at the University of Kansas, died on 17 October 1998 after a long illness. He was 55 years old.

Professor Bell was born in Boston, MA. He showed early promise for excellence in science and received Undergraduate Research Fellowships from the National Science Foundation in 1962 and 1963. He earned a B.S. in Biology and Education with honors, from Bridgewater State College, Bridgewater, MA in 1964, an M.A. in Zoology from the University of Massachusetts - Amherst in 1966, and a PhD from the University of Pennsylvania under the tutelage of W. Telfer in 1969 for his seminal work on the roles of juvenile hormone in vitellogenesis. Following a 1-year NIH postdoc with R. Barth at the University of Texas, Dr. Bell was appointed Assistant Professor of Entomology at the University of Kansas in 1970, where he remained until his death. He was a phenomenal researcher, teacher, and scholar from the start of his career and rose to the rank of Full Professor by age 33. Administratively, he served as Associate Dean of Research Administration from 1974-1976 and as Chair of Entomology from 1987-1993.

As his career progressed, Professor Bell expanded his research from developmental biology to other aspects of reproductive physiology and behavior as well as chemosensory biology and orientation behavior. His subjects included a diverse array of arthropods, including cockroaches, bees, beetles, flies, moths, and isopods. With the assistance of the Instrumentation Design Laboratory at the University of Kansas, he developed a locomotion-compensation device (servosphere) for probing mechanisms of orientation. Scientists from around the world came to his laboratory to conduct research with this device.

Dr. Bell was also a popular and successful teacher, with an infectious enthusiasm for biology. His undergraduate classes in the Physiology of Organisms and his graduate classes in Insect Development were highly acclaimed. He trained 8 M.A. and 18 Ph.D. students, several of whom are now distinguished professors in their own institutions. In recognition of his accomplishments, he was awarded the Olin Petefish Award for Research in Basic Sciences by the University of Kansas, and he was elected as a Fellow of the Animal Behavior Society in 1994.

Professor Bell also served the scientific community through his various editorial work, serving as Editor of the Journal of the Kansas Entomological Society (1982-1984), Co-Editor of Environmental

Entomology (1984-1987), and on the Editorial Board for the Journal of Insect Physiology. He and Tom Payne co-founded the Journal of Insect Behavior in January 1988, and he served as its Editor until his death.

Professor Bell was the author of over 100 research and review articles on various topics in insect behavior, development, and physiology. He also wrote 2 books (The Laboratory Cockroach, 1981; Searching Behaviour: The Behavioural Ecology of Finding Resources, 1991) and edited an additional three (The American Cockroach, co-edited with K.G. Adiyodi, 1981; Chemical Ecology of Insects, co-edited with R. Cardé, edition 1 - 1984; edition 2 - 1995) on insect biology, orientation behavior, and chemical ecology. At the time of his death he was completing his fourth book, on the biology of cockroaches. This book will be completed posthumously by his coauthors, Christine Nalepa and Louis Roth, and published by Johns Hopkins University Press.

Professor Bell was a wonderful cook, an avid fisherman, and an entertaining and adventurous companion on foreign excursions. His many colleagues, students, and friends remember him fondly and miss him deeply. He is survived by his parents, William and May Bell of Melbourne, Florida, his sister, June Little of Mission Viejo, California, his son, Calder Bell of Yachats, Oregon, and his former wife, Clare Tucker, of Eugene, Oregon. A Memorial Scholarship Fund to be managed by the Kansas University Endowment Association and that will benefit entomology students at the University of Kansas is being established in his memory.

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NEW BOOKS

SPECTROMETRIC IDENTIFICATION OF ORGANIC COMPOUNDS

6th ed. R. M. Silverstein and F. X. Webster, 1998, Wiley NY. ISBN [0-471-13457-0](#)

The 6th edition of this invaluable reference book is now available in an updated and revised format. Contents include chapters on mass spectrometry, and infrared spectrometry, and separate chapters on proton, ¹³C, and correlation NMR spectrometry, plus a chapter on spectrometry of other nuclei, and two chapters of solved and assignable problems. The book is designed to encourage students to develop their own approaches to solving structural problems, by integrating pieces of information and structural fragments obtained from the various types of spectra. To ensure familiarity with the various types of spectra, almost 500 spectra are included as examples, or as parts of the extensive chapters on solved and assignable problems. All NMR spectra are 300 or 500 MHz, and are generously illustrated with expanded inserts. Most of the compounds used in examples are natural products. Overall, this book is designed to challenge upper level undergraduates and graduate students, and to provide a useful reference source for practicing organic chemists.

THIN LAYER CHROMATOGRAPHY

4th ed., Revised and expanded. B. Fried and J. Sherma, 1999, Marcel Dekker, NY. ISBN [0-8247-0222-0](#)

The 4th edition of this classic reference was published in January 1999. It has been completely revised and reorganized to include sections on the theory and practice of more traditional methods of TLC analysis, and sections on more recently developed methods, such as densitometry, sample preparation by supercritical fluid chromatography, mobile phases for ion pair and chiral chromatography, robotics, and in situ measurement of isotopically labeled compounds. Further details and ordering information are available at www.dekker.com, phone +1 212 696 9000.

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POSITIONS

- **Permanent Position: Natural Products Chemist.** The USDA, Agricultural Research Service (ARS), Center for Medical, Agricultural, and Veterinary Entomology, Chemistry Research Unit, Gainesville, Florida, is seeking a RESEARCH CHEMIST, GS-1320-11/12. Salary is commensurate with experience (GS-11: \$39,960 -\$51,946 per annum; GS-12: \$47,891-\$62,260 per annum.). **Candidates must be U.S. citizens.** Duties: planning and conducting experiments, evaluating and interpreting data, and reporting research findings as part of a team program designed to develop new, effective, environmentally acceptable technologies and strategies for managing insect pests of agriculture. In addition to the basic educational requirements, applicants must demonstrate 1) Ability to isolate and identify biologically active natural compounds; 2) Knowledge of analytical chemical methods including chromatography and spectroscopy of organic and biochemical compounds; 3) Knowledge of organic chemistry associated with compounds from biological systems; 4) Knowledge of biology, entomology and/or plant physiology, and biochemistry. For more information contact: Dr. James H. Tumlinson, phone: +1-352-374-5730; e-mail: jtumlinson@gainesville.usda.ufl.edu. For information on application procedures/forms and a copy of announcement, contact Jackie Sullivan, phone: +1-352-374-5861. Applications must include announcement number ARS-D9S-9127, must be postmarked by **1 April 1999**, and mailed to: USDA, ARS, AFM, Human Resources division, 5601 Sunnyside Avenue, Beltsville, MD 20705-5105, USA. USDA/ARS is an Equal Opportunity Provider and Employer.
- **Postdoc. research assoc.:** Ph.D. in insect physiology, biology, biochemistry, or organic chemistry required. Demonstrable experience with analytical techniques (GC, GC-MS, HPLC, natural product chemistry, tissue culture, electron microscopy, electrophysiology, etc.) a must. Conduct research on chemical, behavioral, physiological, and biochemical aspects of insect pheromones and insect/plant interactions, endocrines, and reproduction. Supervise student helpers and

laboratory maintenance. Opportunities available for independent research, attendance at professional meetings, writing grant proposals, and publication of research findings. Application deadline: **March 1999**. Send detailed CV, statement of career goals and research interests, reprints of recent papers, transcripts, and 3 letters of recommendation to Dr. Sonny Ramaswamy, Dept. of Entomology, Kansas State University, Manhattan, KS 66506- 4004, USA. Phone: +1 785-532-6154, Fax +1 785-532-6232; Email: rsonny@ksu.edu. KSU is an AA/EOE employer and actively seeks diversity among its employees.

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MEETINGS

- [Royal Entomological Society](#), **Insect Parasitoids Special Interest Group**, 14 May 1999. Royal. Ent. Soc., 41 Queen's Gate, London. Contact: Donald Quicke, Email d.quicke@ic.ac.uk
- **XIVth International Plant Protection Congress**: Where Chemistry Meets Ecology. Jerusalem Israel, 25-30 July 1999. Secretariat: P.O. Box 50006, Tel Aviv 61500, Israel. FAX +972 3 5175674. Email IPPC@Kenes.com.
- **Years of Natural Products Research - Past, Present and Future** Joint Meeting, American Soc. Pharmacognosy (ASP; www.phcog.org), Assoc. Francaise pour l'Enseignement et la Recherche en Pharmacognosie (AFERP), Gesellschaft für Arzneipflanzenforschung (GA; www.uni-duesseldorf.de/WWW/GA), and Phytochemical Soc. Europe (PSE; www.dmu.ac.uk/ln/pse); Amsterdam, Netherlands, 26-30 July 1999. Visit the websites of the organising Societies for detailed information.
- **American Chemical Society**, 218th National Meeting, New Orleans LA, USA. 22-26 August 1999. Contact: Email natlmtgs@acs.org.
- **Modeling of Biological Systems** - An interdisciplinary Course. Woods Hole MA, USA, 18 October - 23 November 1999. Email: admissions@mbl.edu; website www.mbl.edu
- **First Asia-Pacific Conference on Chemical Ecology**, 1-4 November 1999, Shanghai, China, jointly sponsored by the Special Committee of Chemical Ecology, Ecological Society of China, Asia-Pacific Association of Chemical Ecologists, Shanghai Institute of Entomology, The Chinese Academy of Sciences, Zhejiang and Henan Agricultural Universities. Contributed oral and poster presentations will cover the following topics:
 1. Applications of bioactive compounds in agriculture and forestry (Prof.K.S.Boo, Korea)
 2. Chemical communication systems and their behavior function(Prof. W.L.Roelofs,USA)
 3. Plant-insect interactions (Prof.Y.S.Chow, Taiwan)

4. Natural products chemistry (Prof. K.Mori, Japan)
5. Chemoreception and its mechanisms (Prof. E.Jang, USA)
6. Chemical ecology in ecosystems (Prof.Peter C.Gregg , Australia and Prof. Y. Kuwahara, Japan)
7. Allelopathy in sustainable agriculture and forestry (Prof. Azim U.Mallik, Canada)
8. Biosensors: Advances in applied neuroethology (Prof. T.C.Baker, USA)
9. Others (Prof. Jiawei Du, China).

Meeting information: aginfo.snu.ac.kr/apace, or contact an organiser or the Conference Chairman, Prof. Jia-Wei Du, Shanghai Institute of Entomology, Chinese Academy of Sciences, 225 Chongqing Rd. Shanghai, 200025, China; E-mail dujwei@isdnet.sta.net.cn or dujw@public1.sta.net.cn.

- **1st Brazilian Chemical Ecology Meeting**, Federal University of Parana, Curitiba; 1-4 December, 1999. Information: Dr. Paulo H.G. Zarbin, Email pzarbin@quimica.ufpr.br.
- **UNESCO Regional Symposium on Chemistry of Medicinal Plants**, Kunming, China, 17-19 March 2000. Information: Dr. Yueomao SHEN, FAX 086-871-5150227, Email yshen@km.col.com.cn.
- **XXI International Congress of Entomology**. Iguassu Falls, Brazil, 20-26 August 2000. Email: ice@sercomtel.com.br.

[Webmaster's note: Additional meeting information of an even more general interest can be found at the ISCE website [meetings page](#)]

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