



ISCE

NEWSLETTER

Volume 14, Number 3, October 1997.

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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 **10 January 1997**.

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FROM THE EDITOR

Your 1997 [Membership Renewal Form](#) is enclosed. Please return this form with your dues to Francis Webster. Note that you can now pay by credit card if you wish - VISA, Mastercard, or Discover card.

At the most recent Executive Committee meeting, held in Vancouver during the annual meeting of the Society in July, the subject of members who are delinquent in their dues was the subject of considerable discussion. Membership dues are kept as low as possible by most of the work involved in running the Society being done by unpaid volunteers. Furthermore, Society members receive the Journal of Chemical Ecology at a reduced price, which more than compensates for the cost of dues. Membership dues primarily go towards the costs of printing and mailing this Newsletter, travel awards for students to attend the Annual Meeting, and the costs of putting on the Annual Meeting. The costs of printing and mailing the Newsletter to members delinquent in their dues payments is thus a considerable drain on the Society's funds. Consequently, the Executive Committee decided that in this mailing, we would ask those of you who have not paid your 1997 dues to do so, along with your 1998 dues for the coming year. If you have not paid your 1997 dues, you will have received a colored insert with this Newsletter, warning you that if the 1997 and 1998 dues are not paid, this will be the last Newsletter you will receive from the Society. In fact, Section 8 of the Bylaws of the Society state, "A member whose dues are one year in arrears shall cease to be a member of the Society". However, we are not asking you to pay delinquent dues for years prior to 1997. We would like all of you to remain active members, and I strongly encourage those of you whose dues are delinquent to restore your membership to good standing.

If you would like your membership data (address, E-mail address, research interests) to appear on the ISCE website, please check the appropriate box on the Membership Renewal Form. If you do not check this box, this information will not be put on the web.

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Report From The Annual Business Meeting

President Rowell-Rahier called the meeting to order at 4:35 PM. She described the Society's problem of only about half of its active membership paying dues, and pointed out that dues support the annual

symposia and student travel. She announced the decision of the Executive Committee to institute a new policy of warning members after they are behind in their dues; and dropping them from the Society membership roll unless they pay the year in arrears plus the current year.

The President announced that the Student Awards Committee had awarded 9 travel grants this year to students for travel to Vancouver. The awards, totaling \$4,500, were based on merit and need.

Future meeting sites were announced as: Cornell University (Ithaca, NY) in 1998; France in 1999, and Brazil in 2000. The year 2001 is open, and invitations are invited for hosting a meeting then (since filled, Lake Tahoe, USA; editor's note). In 2002, the Society hopes to hold a meeting in Kenya. Plans for a proposed meeting there in 1998 could not be finalized in time, and the decision was made to plan instead for a meeting there 5 years hence. The President reiterated the informal policy of alternating between sites in North America (every 2 years) and Europe (every 3 years).

Treasurer Webster discussed further the problem with delinquent members not paying their dues. The Society continues to lose modest amounts each year largely because of this. This year the loss was about \$5000. There was no other income for the Society in 1997 beyond dues. Many members are using the credit card system for dues paying and it is working well. Webster has completed the membership list for the Society homepage and that it was now functioning. He announced the decision by the Executive Committee to invest \$75,000 of Society capital through a brokerage to obtain higher returns than have been obtained from previous, very conservative investments.

Secretary Romeo announced the election results with John Hildebrand of the University of Arizona, the new Vice President and Jocelyn Millar of the University of California, Riverside, the new Secretary. He discussed the Society webpage which increasingly consumes a lot of the Secretary's time. The homepage now contains copies of the newsletter, abstracts from recent meetings (Prague and Vancouver), the table of contents of recent issues of the Journal of Chemical Ecology along with instructions to authors, subscription rates, and copyright release forms, the membership list of the Society, and general information about Chemical Ecology. He noted that the Society archives have become considerable, consisting of volumes of membership correspondence, Executive Committee notes, previous meeting programs, directories, copies of certificates, and other material documenting the historical record. John thanked the Society for the opportunity to serve for the past 7 years and expressed his willingness to work with the new Secretary as needed to make the transition smooth.

Editor Jim Nation reported on the Journal of Chemical Ecology. He welcomed John Romeo as the new co-editor and emphasized the volume of papers published now requires the additional editor. In 1996, 160 papers were published (>3000 pages). The current rejection rate for submitted papers is 18%. Jim thanked members who serve as reviewers. He also announced the intent to broaden the editorial board to ensure that all disciplines are covered and to institute a "rotating" board serving 5 year terms. It was suggested that greater use of the editorial board might be made, for example, in cases of split reviews. A gathering of the board at future annual meetings was suggested as a way to increase participation in the process.

Meeting Host Murray Isman reported that 213 paying registrants attended the meeting, including 47 students and 119 full members. The Symposium proceedings were producing some revenue in addition to

several "one day" registrations. The meeting was expected to show a slight profit.

Jim Tumlinson was introduced as the new President. There being no new business, the meeting was adjourned.

John Romeo, Past Secretary

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ISCE FROM THE PRESIDENT

It is a distinct pleasure and an honor to serve as President of the International Society of Chemical Ecology. I doubt there is another group of scientists with such diverse interests that meets annually to share information on such a wide range of topics cutting across many disciplines. For example, during the meeting in Vancouver this past summer one could attend talks on aphids or elephants, or on a plethora of other organisms inhabiting many different environments. This illustrates the great diversity and strength of our society. Generally, I think the ISCE is in good shape, doing just what it should be doing, and I believe that no extensive changes are needed at this time. During my term of service I will make every effort to ensure that we continue to attract and include scientists with the greatest possible range of interests.



Of course, there are a few minor improvements that can be made to make things run more smoothly. During the Vancouver meeting, the executive committee decided that all future meetings should be organized at least two years in advance. Thus, we now have our annual meetings scheduled through 2001 (see the list of sites elsewhere in the Newsletter), and we are hoping to revisit the prospect of holding a meeting in Kenya, with 2002 as the target date. Arranging meetings at least two years in advance will give us sufficient time to ensure that the meetings are on a firm financial footing and will not be a drain on the resources of the society. While we are on the subject of meetings I want to thank Murray Isman for organizing the excellent meeting in Vancouver, and Alan Renwick for picking up the ball and organizing our 1998 meeting, which will be in Ithaca, New York. Make your plans now to attend this meeting, which promises a really outstanding program (see the article on the next meeting for details). During this meeting we will celebrate the 30th anniversary of the Syracuse chemical ecology symposium, which was one of the forerunners of our present society.

Another problem that needs to be resolved is the significant number of Society members who fail to pay their dues each year. I suspect this is primarily due to lapse of memory, since I tend to forget such things myself if I am not careful. However, it is unfair to those who pay their dues regularly, and it creates a financial drain on the society. The executive committee is trying to develop a way to deal with this problem. Hopefully, we will find an easy way to remind those members who forget that they need to pay their dues. Ultimately, however, we will have to drop anyone from membership who is delinquent in their dues for more than a year. It would make running the Society a lot easier if everyone would try to remember to pay their dues on time, and it would make our treasurer, Fran Webster's life a lot easier. The annual membership dues form is included with this Newsletter. Please return it to Fran Webster with your cheque or credit card number in a timely fashion so that you can remain a member in good standing.

On a more positive note, the ISCE gives two awards annually, the ISCE Silver Medal and the Silverstein-Simeone award, to recognize scientists who have made major contributions to the field of chemical ecology. Calls for nominations for these awards appear elsewhere in this newsletter. There are many of our colleagues who deserve to be recognized for their research accomplishments. Please take this opportunity to nominate someone that you think is worthy of this honor and recognition.

Finally, I would like to thank John Romeo for his many years of service to the Society as secretary. John will continue to serve as an Editor of the Journal of Chemical Ecology and as a ISCE councilor.

I look forward to working with the society for the next two years and to seeing many of you at the meeting in Ithaca in June, 1998.

J. H. Tumlinson, President, ISCE

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ISCE FROM THE SECRETARY

John Romeo recently stepped down as the Secretary, after a lengthy seven-year term. I am sure that I express the gratitude of the entire membership of the Society in thanking him for his tireless work behind the scenes for the past seven years, making sure that the Society ran smoothly. Serving for this relatively lengthy tenure also provided continuity for the Society executive committee, which is particularly important because the President and Vice-President serve for relatively short terms. During his tenure, the Society webpage was initiated, and the webpage will become more and more useful to both members



and nonmembers, providing instant information on upcoming meetings of this Society and other related societies, as well as a variety of other information.



Overall, the Webpage will increase the visibility of the Society, particularly to potential members.

As the new Secretary, my first priority is ensuring continuity. Thus, for the past few weeks, we have focused on getting the Society's webpage transferred to UC Riverside so that we can easily maintain and update it. This has been successfully accomplished, and the new webpage address is <http://www.isce.ucr.edu/>. The new website is now up to date, with information about next year's meeting in Ithaca, New York. It will be periodically updated, and the Newsletters and meeting abstracts will be posted to the Website as they are printed. Please visit the new website and try it out. There are links to the old website in Florida, and to the membership list, which is maintained in Syracuse by the treasurer, Francis Webster. The membership directory is at <http://www.esf.edu/ISCE/>. I would like to express my gratitude to Adam Trickett, who has been primarily responsible for starting up the new Website here at UC Riverside.

This is also the first Newsletter published under my direction, and I hope that you are receiving it approximately on time. I do not plan any immediate changes to the Newsletter, but any and all suggestions for changes or improvements would certainly be welcome. In particular, I would like to emphasize that the Newsletter will only be as good as the information in it, and to provide good information, I need your help. Specifically, I need news items in several general areas:

1. Items of general interest to members, such as new research grant opportunities, particularly those encouraging interlaboratory or international collaborations.
2. The Newsletter serves as a forum to honor members who have won the Society's own awards, such as the Silverstein-Simeone award and the ISCE Silver Medal.
3. The Newsletter also serves as a forum to honor members of the Society who have won other types of awards. If you know of a colleague who has been honored with an award, please send me a short description of the award and the award-winner, with a photo or two if possible.
4. If you or a colleague are moving to a new position, please send me a short announcement with details of their new address and position.
5. Details of upcoming meetings and conferences which may be of interest to Society members.
6. Brief descriptions of new books or other publications of interest to the membership.
7. Positions available, particularly for graduate students or postdoctoral associates.

Please send along to me any items that you think would be of interest to the membership, either by Email or regular mail. My address is listed at the end of the Newsletter, and my Email address is iscesec@ucr.edu.

ISCE FROM THE TREASURER

For the fiscal year 1996, the Society ended the year with \$91,339, for a net loss of \$3,211. For comparison, for the 1995 fiscal year, the Society lost \$4,548. For the 1997 year, the Society will probably come close to breaking even. The two main reasons for the change in trends are the slight increase in dues and a (projected) less expensive annual meeting. Furthermore, until recently, the Society had no plan for investing, and had been earning very little on its assets (about \$2,500 per annum for 1995 and 1996). To remedy this situation, as directed by the Executive Committee at the Annual Meeting in Vancouver, the Society has opened an investment account with Merrill Lynch. The investment firm will manage \$75,000 for the Society, with the income generated being used to fund the student travel awards. Merrill Lynch has considerable experience handling "endowments" with the emphasis on a high *but steady* rate of return. By a combination of these changes, we hope to eliminate our small annual deficits.

Starting in 1997, as a convenience to members, the Society was able to take credit cards for payment of dues and for subscriptions to the Journal of Chemical Ecology. This system is working well. Membership is remaining steady, but the Society has had no firm policy of when to drop a nonpaying past member, leading to a drain on the Society's resources due to such factors as the costs of producing and mailing the Newsletter. The councilors' meeting in Vancouver addressed this issue, and we will be taking steps to enroll members who have simply forgotten to pay their dues, and to drop members who continue to be delinquent in their dues payments.

For those members who asked to be included on the World Wide Web, the ISCE now has a directory on the web. The website is <http://www.esf.edu/isce/>. It can be accessed from the Society's homepage.

Summary of the 14th Annual Meeting, Vancouver, Canada

The University of British Columbia in scenic Vancouver was the site for one of the more successful annual meetings of the Society, held from July 12th-16th, 1997. Just over two hundred registrants participated in a well-paced and unusually balanced program that included three major symposia, ten sessions of contributed papers, three plenary papers and a poster session.

After a noisy but much appreciated welcome reception on Saturday evening, participants got down to business on Sunday morning with a symposium on the chemical ecology of the Scolytidae (bark beetles). Though a "classic" subject in insect chemical ecology, the audience gained a new appreciation for this

system in hearing of the most recent developments in pheromone chemistry, beetle physiology and ecology, and the application of years of research into real world management of pestiferous scolytids. These and other beetles remained the focus that afternoon in one of two concurrent paper sessions, while contributed papers on more diverse aspects of insect-plant chemical interactions drew a packed house in a smaller lecture theatre.

Attractants and cues for blood-feeding arthropods, a subject that had not been emphasized previously at annual meetings of the Society, was the order of the day on Monday, with a symposium that extended beyond the morning into the mid-afternoon. The audience was treated to some excellent video clips vividly demonstrating the responses of reduviid bugs to host odors, which really brought the subject matter to life! Vertebrate pheromones and aphid responses to semiochemicals shared the spotlight in the truncated, concurrent afternoon sessions, Bets Rasmussen's talk on elephant pheromones drawing a particularly big crowd. "I wish I could collect a gallon of moth urine so easily." one entomologist was overheard to say.

Marine chemical ecology was the symposium topic on Tuesday, with ISCE Silver Medal Awardee Bill Fenical leading off. Six speakers covered chemical interactions from bacteria, algae, sponges and invertebrates and fishes, and again video was used to great effect. The symposium was followed immediately with a contributed paper session on the same subject, while a well-attended concurrent session focused on the chemical ecology of social insects.

The final day began with plenary presentations by Keith Slessor and John Arnason, among the better known chemical ecologists active in Canada, and by Bud Ryan's fascinating Silverstein-Simeone Award address on the mechanisms underlying induced chemical defense in plants. Wednesday morning wrapped up with concurrent sessions on lepidopteran and hemipteran pheromones, respectively, while one afternoon session continued with papers on Lepidoptera. The other consisted of papers on a wide range of topics, but included a typically colorful presentation by past president John Pickett, and one by next year's silver medal awardee Thomas Hartmann. Altogether there were 22 plenary and symposium papers, almost 80 oral contributed papers and over 40 posters.

The meeting culminated Wednesday evening with a traditional northwest coast salmon barbecue after which awards were presented by outgoing president Martine Rowell-Rahier. The evening concluded with personal tours of UBC's magnificent Museum of Anthropology.

Although the meeting was blessed with sunny skies for the most part, attendance at the scientific sessions was impressive, right up to the final papers on Wednesday afternoon. Many participants noted that they found presentations on subjects outside of their own research areas fascinating - so the meeting should go down as a scientific as well as artistic success. One foreign scientist said that he had hoped to see the sights around Vancouver, but found the talks too interesting to depart for a morning or afternoon during the meeting! And finally, in part thanks to a handful of private sponsors, the final budget indicated a small but positive balance that has been returned to the Society. On to Ithaca for 1998!

Murray B. Isman

PROFESSOR CLARENCE A. RYAN

WINNER OF THE 1997 SILVERSTEIN-SIMEONE AWARD

Professor Clarence (Bud) Ryan was selected as the recipient of the 1997 Silverstein - Simeone Award. Professor Ryan is currently Professor of Biochemistry and a Fellow of the Institute of Biological Chemistry at Washington State University in Pullman. He is a native of Montana, graduating with a Ph.D. in chemistry from Montana State University in 1959. Professor Ryan has had a very distinguished career, punctuated by numerous honors and awards. He was elected to the National Academy of Science in 1986 on the basis of his discovery that injury to leaves of plants caused the release of a chemical messenger, resulting in rapid physiological changes throughout the plant which enable the plant to resist the attacks of pathogens and herbivores. In recent years, his extraordinary contributions to our understanding of these mechanisms of plant defense have been recognized by the award of the Steven Hales Prize from the American Society for Plant Physiology in 1992, and the Kenneth Spencer Award, established to honor outstanding contributions in agricultural and food chemistry, from the American Chemical Society in 1993.

Professor Ryan initially reported and pioneered research of proteinase inhibitors in plants, recognizing this inducible plant response as an effective chemical defense against herbivore damage. These proteinase inhibitors are plant proteins that reduce feeding and stunt growth of feeding insects. His group then went on to find a signal molecule, systemin, which is essential for activating proteinase inhibitor accumulation systemically in tomato, and subsequently identified methyl jasmonate and jasmonic acid as potent inducers of wound responses in plants. Professor Ryan's award lecture summarized this work, and concluded with a fascinating discussion of the emerging similarities between the arachidonic acid-prostaglandin pathway mediating antiinflammatory responses in animals, and the jasmonate pathway mediating plant responses to attack by pathogens. On behalf of the Society, I would like to reiterate our thanks for a stimulating lecture, and our congratulations for being selected as the recipient of the Silverstein-Simeone Award for 1997.

1997 Winners of Student Travel Awards

Congratulations to the winners of the 1997 Student Travel Awards, used to assist with attendance at the Vancouver meeting. The award winners are listed below, along with their affiliations and the titles of their presentations. Their abstracts can be found on the ISCE webpage.

Thomas Arnold	University of Delaware	Emerging patterns of Phlorotannin synthesis and resource allocation in marine brown algae
Marcio Cardoso	University of Texas	Complex dynamics in <i>Heliconius</i> butterflies' cyanogenesis and the implications for their chemical defense
Dariusz Czokajlo	SUNY-Environmental Science and Forestry, Syracuse	Pheromone complex of the pine shoot beetle and its activity on native and European predators, <i>Thanasimus dubius</i> and <i>Thanasimus formicarius</i>
Aivle Cecilia Cabrera Gavidia	Universidad Simon Bolivar, Caracas, Venezuela	Sex pheromone components of the tomato fruit small borer <i>Neoleucinodes elegantilis</i> GUENÉE (Lepidoptera:Pyralidae)
David W. Ginsburg	University of Guam	Chemical defenses in the sea hare <i>Aplysia parvula</i> and its host alga <i>Portieria hornemannii</i> and their effects on predation.
Kelly M. Jenkins	Scripps Institution of Oceanography	Sulfated flavone glycoside chemically defends the seagrass <i>Thalassia testudinum</i> against zoosporic marine fungi
Judith Reinhard	Universitat Bayreuth, Germany	Organization of food exploitation in the termite <i>Schedorhinotermes lamianus</i> : interaction of two pheromone systems.
Julio C. Rojas	Oxford University	Influence of host plant damage on the host-finding behavior of the cabbage moth
Frank Schroeder	Cornell University	New oligocyclic alkaloids from ants

The Student Travel Awards Committee members for 1998 are Murray Isman, Monica Hilker, and Valerie Paul.

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JOHN HILDEBRAND HONORED

Professor John Hildebrand, the vice-president of our Society, was recently honored as the 1997 recipient of the International Fragrance and Flavors Award of the Association for Chemoreception Sciences ([AChemS](#)), for his innovative



research in insect chemoreception. This award is presented once every three years to a senior scientist in the chemical senses who has made innovative contributions to the understanding of the chemical senses throughout his/her career. This award was formerly known as the Stanley K. Freeman Award for contributions in olfaction, but the scope of the award has now been extended to include all chemical senses.



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ITHACA '98

**1998 Meeting, Ithaca New York
June 20-24.**

The 15th annual meeting of the International Society of Chemical Ecology will be held June 20-24 in Ithaca, New York, USA. The meeting will take place on the Cornell University Campus and will include sessions that emphasize biodiversity and the importance of as yet undiscovered sources of chemical and genomic diversity. The program committee has recruited prominent speakers to introduce a variety of subjects including microbial chemistry, pheromone diversity, multitrophic interactions, intracellular interactions, chemical diversity and biological activity, medicinal links, and plant-insect interactions (see list below). Contributed papers and posters will be solicited. Free time for exploration of Ithaca's gorges, Cayuga lake, and other sights is planned, and a post-conference tour of the Finger Lakes wineries will be arranged. The estimated cost of registration is \$200 US, which includes a welcome reception and a farewell banquet. Several housing options will be available. All the registration information and details of the meeting will appear in the next Newsletter in February, 1998. Meeting details will also be posted to the web page as soon as they become available.



For further information about the meeting, contact the meeting host, Dr. Alan Renwick, at the Boyce Thompson Institute, Ithaca NY 14853 USA. Email: jar14@cornell.edu; website: <http://www.isce.ucr.edu/>

Future meeting sites have been confirmed, as follows: 1999 - Marseille, France; 2000 - Brazil; 2001 - Lake Tahoe, USA; 2002 (tentative) - Kenya.

Invited Speakers

Tom Eisner	Ithaca, USA	Chemical Ecology: in retrospect and prospect
Daniel Janzen	Costa Rica	Biodiversity development and conservation in Costa Rica
Jo Handelsman	Wisconsin, USA	Microbial diversity in soil and accessing DNA
Baldomero Olivera	Utah, USA	Cone snail toxins
Walter Leal	Tsukuba, Japan	Diversity in insect pheromones
Jim Tumlinson	Florida, USA	Tritrophic interactions and plant signalling
Ritsuo Nishida	Kyoto, Japan	Chemistry of plant-butterfly associations
John Clardy	Ithaca, USA	Intracellular interactions: mechanisms of activity of medically important natural products
David Cane	Rhode Island, USA	Biosynthetic pathways for bioactive natural products
Koji Nakanishi	New York, USA	Characterization of bioactive molecules
Charles Arntzen	Ithaca, USA	Manipulation of plants: production of edible vaccines
Ashit Ganguly	New Jersey, USA	Industrial applications of chemical ecology

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NOMINATIONS

THE SILVERSTEIN-SIMEONE AWARD

The Silverstein-Simeone 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 someone who is 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 three persons 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). Lecture title "How to survive with volatiles: plante contre herbivore"
- 1996 - Professor **Louise E. M. Vet** of the Department of Entomology at the Agricultural University in Wageningen. Lecture title, "From Chemical to Population Ecology: Semiochemical Use in an Evolutionary Context"
- 1997- Professor **Clarence A. Ryan** of the Institute of Biological Chemistry at Washington State University, Pullman. Lecture title, "Polypeptide signaling for plant defense genes"

Please help the society by nominating someone who is doing innovative research in chemical ecology for the 1998 Silverstein-Simeone award. 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. Send your nominations to J. H. Tumlinson, President, ISCE, USDA-ARS, CMAVE, P.O. Box 14565, Gainesville, FL 32604, by December 15, 1997.

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1999 ISCE SILVER MEDAL

The officers of the ISCE welcome nominations for the 1999 ISCE Silver Medal Award. This award recognizes outstanding long-term scientific achievement in the field of Chemical Ecology. Previous winners have been Professors Silverstein, Roelofs, Rosenthal, Francke, Mori, Pasteels, and Fenical.

The process of selecting the 1999 Silver Medalist will be completed at the 1998 ISCE meeting in Ithaca. Nominations therefore must be received by 1 April 1998, so that the Executive Committee and Councilors will have time to review the nominations and reach a timely decision.



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 and 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 to: Dr. John G. Hildebrand, ISCE Vice President, ARL Division of

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OBITUARY: Professor Jose Tercio Ferreira

Professor Jose Tercio Ferreira of the Chemistry Department of the University of Sao Carlos, Brazil, died suddenly and unexpectedly on July 26, 1997. Professor Tercio Ferreira was a chemical ecology "activist" who promoted chemical ecology in Brazil and throughout South America. His popular two-week summer course in organic chemistry, in which a number of Society members have given lectures, was heavily slanted towards chemical ecology. The course provided an excellent contact between Brazilian students and scientists and scientists from around the world, and motivated a number of young Brazilian scientists to enter careers in chemical ecology. Our discipline and our Society are the poorer for his passing. We extend our heartfelt condolences to Professor Tercio Ferreira's family and colleagues.

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Call for Photos or Illustrations for a New Society Brochure

The Society published a short brochure several years ago, describing the function and activities of the Society, and generally giving an overview of chemical ecology. This brochure is sent out in response to enquiries about the Society. In addition, and very importantly, the brochure is used for fundraising, giving sponsors a general idea of the type and scope of research conducted by Society members. However, the brochure is now out of date, and as we develop an updated version, some good color photos illustrating chemical ecology phenomena, in any taxon from single celled organisms to elephants or trees, would be very useful in helping us to put together the best and most eye-catching brochure possible. If you have some good photos or slides which we could copy and use in the new brochure, please send them to me, Jocelyn Millar, the Newsletter editor. My address is at the end of the Newsletter, or if you want to discuss it, please call me at +1 909 787 5821, or Email me at iscesec@ucr.ac1.ucr.edu.

[Webmaster's note: The web site can always use interesting photographs and original art work too.]

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SOCIETY

1997/98 EXECUTIVE COMMITTEE

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New Councilors

President Jim Tumlinson has appointed five new councilors to replace outgoing councilors Drs. William Fenical, Monika Hilker, Frank Einhellig, Ana Luisa Anaya, and Jean Luc Clément. The new councilors are:

- **Kyung Saeng Boo,**
Division of Applied Biology and Chemistry, College of Agriculture and Life Sciences, Seoul National University, Suwon 441-744, South Korea.
- **Jonathan Gershenzon,**
Max-Planck-Institute für Chemische Ökologie, Sophienstrasse 10, 07743 Jena, Germany.
- **Valerie Paul,**
University of Guam Marine Laboratory, UOG Station, Mangilao, Guam 96923, USA.
- **John Romeo,**
Department of Bioogy, University of South Florida, Tampa FL 33620, USA.
- **Evaldo F. Vilela,**
Núcleo de Biotecnologia Aplicada á Agropecuária, Universidade Federal de Viçosa, 36571- 000 - Viçosa, Minas Gerais, Brazil.

Councilors serve three year terms and are appointed from various geographical and disciplinary areas, and

advise the ISCE Executive Committee. Further details can be found in the [Society's bylaws](#).

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Councilors

Kyung Saeng Boo, Korea	Beata Gabrys, Poland
Jonathon Gershenzon, Germany	Murray Isman, Canada
Yasumasa Kuwahara, Japan	Walter Leal, Japan
Jeremy McNeil, Canada	Valerie Paul, Guam
John Pickett, UK	Glenn Prestwich, USA
John Romeo, USA	Nancy Targett, USA
Ted Turlings, Switzerland	Louise Vet, The Netherlands
Evaldo F. Vilela, Brazil	

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MEETINGS

- **7th International Symposium on Natural Products Chemistry**, Karachi, Pakistan, Dec. 28, 1997-Jan 1, 1998. Contact: Email hej@biruni.erum.com.pk.
- **IIIrd Asia-Pacific Conference on Entomology**, Taichung, Taiwan, Nov. 16-22, 1997. Contact: Dr. Chinchang Yeh, Secretariat, FAX +886 4 287 5024. Email ccyeh@dragon.nchu.edu.tw.
- **Gordon Research Conferences**, Winter 1998, Ventura California, USA: Marine Natural Products, Plant Herbivore Interactions, Contact: Gordon Research Center, Phone: +1 401 783 4011, FAX +1 401 783 7644, Email GRC@GRC.URI.EDU. Full program is available on the web at [HTTP://WWW.GRC.URI.EDU](http://WWW.GRC.URI.EDU).
- **Gordon Research Conferences**, Summer 1998, New Hampshire/Rhode Island, USA: Chemical Senses: Taste and Smell. See above for contact details.
- **American Chemical Society**, 215th National meeting, Dallas Texas, March 29-April 2, 1998. Contact: Email natlmtgs@acs.org.

- **The 3rd Tannin Conference.** Plant Polyphenols: Chemistry and Biology, Bend Oregon, USA, July 20-25, 1998. Contact: Dr. R.W. Hemingway, Email dhemingway@popalex1.linknet.edu.
- **Vth International Conference, Progress in Neuropharmacology and Neurotoxicology,** St. Catherine's College, Oxford, July 28-31, 1998. Contact: Conference Secretariat, Society of Chemical Industry, 14/15 Belgrave Square, London SW1X 8PS, United Kingdom.
- **IXth IUPAC International Congress of Pesticide Chemistry** (Topic 3: Natural Products), London, UK, August 2-7, 1998. Information: http://chemistry.rsc.org/rsc/9_iupac.htm.
- **VIIth International Congress of Plant Pathology,** Edinburgh, Scotland, August 9-16, 1998. Contact: Dr. R.J. Royle, Chairman, 7ICPP, IACR- Long Ashton, Long Ashton Research Station, Long Ashton, Bristol BS18 9AF, United Kingdom.

[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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