



NEWSLETTER

INTERNATIONAL SOCIETY OF CHEMICAL ECOLOGY

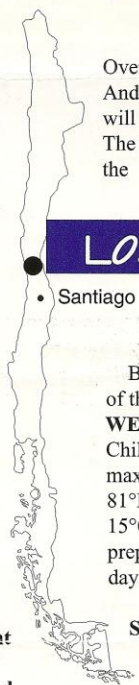
Vol. 12, No. 1, February, 1995

12TH ANNUAL MEETING - CALL FOR PAPERS

The 12th annual ISCE meeting will be held October 2-6, 1995 in the spa resort Baños El Corazón in Chile.

The resort is located 7 km from Los Andes (95 km from Santiago) can be reached directly from the Santiago airport by taxi (around \$100 US, if booked in advance) or by bus from the city center. For those arriving during the weekend immediately before the meeting, transportation will be arranged from the airport directly to the resort, provided the flight details are received by **September 1, 1995** (form enclosed).

The resort has a capacity of around 140 guests, based mostly on double occupancy. **Assignment of rooms at the resort will be made on a first-come first-served.**



Overflow will be booked in hotels in Los Andes, and transportation to the meeting site will be provided mornings and evenings. The cost of this arrangement, with meals at the

LOS ANDES, CHILE

• Santiago

Baños El Corazón, will be the same as that of the packages offered below.

WEATHER - October is springtime in Chile. We expect sunny weather with maximum day temperatures 22-27°C (72-81°F) and night minimum temperatures 10-15°C (50-59°F). It is advisable to be prepared for the occasional cool and cloudy day.

SCIENTIFIC PROGRAM - Sessions will consist of invited lectures and contributed papers on selected themes

or on general chemical ecology subjects. In order to avoid having parallel sessions or a packed program with little time for informal discussions, the time assigned to lectures and communications has been shortened in respect to the announcement in the previous newsletter. In addition, it may become necessary to move oral presentations to poster presentations if the number of speakers exceeds the total time available. Speakers will be advised in advance if this becomes necessary. The list of invited speakers was published in the October, 1994 newsletter.

(Continued on page 2)

From the Editor

There are 4 inserts in this issue - the Chile Registration Form; the Chile Abstract Form; the Chile Flight Information Form; and the Student Travel Award Application. Note the different deadlines - Travel Awards - May 1, 1995; Registration and Abstracts - July 1, 1995; Flight Information - September 1, 1995.

Please respond to the Treasurer's appeal for information for the new membership directory, and pay your 1995 dues!

Nominations for ISCE Officers should be sent to William Fenical, our past President. Deadline is March 31, 1995.

Thanks to everybody who sent me information for the newsletter this time. I hope it's the start of a trend! We're still looking for notices of good review articles, abstracts of book reviews, and member profiles.

- John Romeo

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(Call For Papers Continued from page 1)

Invited lectures will be **30 min.** including discussion, and **oral presentations** will be **10 min.** including discussion. **Posters** will be put up on Monday and left up for the **entire meeting.** The official poster session is scheduled for Thursday. Authors are asked to be with their posters during this session. Dimensions of the display area will be communicated in the next Newsletter.

CONFERENCE CONTENT - The following symposia are being organized:
1) Aphid-plant interactions; 2) Multitrophic interactions; 3) Nitrogen in plant defense; 4) Synthesis, separation, and biological activity of enantiomers; 5) Plant-herbivore interactions; 6) Chemical ecology of vertebrates; 7) Allelopathy; 8) Pheromones: isolation, mechanisms and uses; 9) Chemical ecology in the aqueous environment; 10) Bioactive substances from plants. There also will be sessions on general topics in chemical ecology

ABSTRACTS - Invited lecturers and participants wishing to present an oral or poster contribution should complete the enclosed «Abstract form» and return it no later than **July 1, 1995.**

SPECIAL EVENTS - In addition to an opening barbeque mixer, there will be a midweek afternoon excursion, and a closing banquet. Lecture highlights include the first Silverstein/Simeone Plenary Lecture. A **program for accompanying guests** will be arranged which includes visits to local industries, and trips to the beach and mountains.

REGISTRATION - To participate in the conference, complete the **registration form** and return it before **July 1, 1995.** The registration fees are given on the form. The registration fee covers participation in all scientific sessions, book of abstracts, coffee breaks, and the excursion on Wednesday.

ACCOMODATION - packages have been arranged as follows: Room/board, double occupancy - \$500 US per person; single occupancy - \$650. The packages include room and full board from Monday evening to Saturday morning, including barbecue on Monday, picnic lunch on Wednesday, and banquet on Friday evening. Additional days cost- \$100 per person (double); \$130 (single). Circle your needs on the registration form.

PAYMENT - Send checks made payable to Hermann Niemeyer by registered mail to Hermann Niemeyer at Universidad de Chile, or make a bank transfer to Chemical Bank, 55 Water St., New York, N.Y., ABA No. 021000128, Account No. 066-198038 of SBS by order of sub-account No. 752-03089-12620 in name of Hermann Niemeyer. Please note that all transfer charges should be paid by the sender. If cancellation occurs, full refund will be made until August 1, 1995. Cancellations received after that date will incur an administration charge of US\$ 100.



DEADLINES

- May 1, 1995** - Student travel award applications (Dr. Naya)
July 1, 1995 - Registration forms (Dr. Niemeyer)
- Registration & accomodation fees due
- Abstract form
Sept. 1, 1995 - Flight information form Post- congress tour
booking form (Andina del Sud).

POST CONFERENCE TOURS

The following tours have been arranged with a local tour agent (prices, in US\$, are approximate):

	Single	Double	Triple
1. Andean high plateau (5d/4n)	870	705	665
2. Desert archaeology (4d/3n)	1150	750	740
3. Lakes, rivers, volcanoes (4d/3n)	596	510	490
4. Trekking in the glaciers (5d/4n)	1204	1040	1040
5. Easter Island (4d/3n)	950	880	880
6. Glacirs by boat (5d/4n)	861	838	838

For additional information and bookings, direct contact should be made with:
Mr. Maximiliano Marambio, Andina del Sud, Bombero Adolfo Ossa 1010
Of. 301, Santiago, Chile,
Phone: +56 2 697 1010
Fax: +56 2 696 5121.
Deadline for application - **September 1, 1995**

Message From the President

A major strength of our Society is reflected in our name: we are international, with members from at least 30 countries having research interests that range from analytical chemistry to community ecology. Unfortunately, these characteristics are also a weakness when it comes to membership participation in the affairs of the Society. Each year we request that members provide information and/or suggestions to the Executive and the Society committees: feedback that is valuable in the selection of the Executive, the composition of the Council, and recipients of the Honors and Awards offered by the Society to deserving members. The response to such requests, which appear regularly in the ISCE Newsletter, is most noteworthy... by its absence! The staff responsible for mail delivery at Laval University certainly ran no danger of hernias when carrying the suggestions I received in response to my request for names that the committee could consider when selecting the first Silverstein-Simeone Plenary Lecture Awardee.

As noted above, our membership represents an incredible diversity, and while every effort is made when selections are made to have an equitable balance, both by discipline and by geographic region, certain deserving individuals are inadvertently omitted from consideration. To ensure that this does not happen, contact the Executive with the names of colleagues that you would like to be considered as Councilors, recipients of the ISCE Silver Medal, etc.

Similarly, our newsletter is really the only regular forum for communication within the Society, yet, despite this, John Romeo receives very little from the members. I find it hard to believe that nothing of interest to ISCE members ever happens. Cheer up John's life by sending him information that could appear in the ISCE newsletter.

The participation of the membership is essential for the effective functioning of our Society, so taking the words of that friendly being from space out of context, may I suggest that you PHONE HOME. If not, at least put pen to paper!

Jeremy McNeil



ISCE TO MEET IN AFRICA IN 1997.

President Jeremy McNeil has accepted an invitation from the International Center of Insect Physiology and Ecology (ICIPE) to hold the 1997 ISCE annual meeting in Kenya. The initial suggestion, made by Dr. Ahmed Hassanali, was deliberated by the Executive Committee and Councilors in Syracuse. A formal invitation from Dr. K.N. Saxena, Acting director of ICIPE, was received, and plans are now being formulated. Dates and a tentative program will be considered at the Chile meeting.

UPCOMING MEETINGS

Phytochemicals and Health - Tenth Annual Penn State Symposium in Plant Physiology. State College, Pennsylvania USA., May 18-20, 1995. (6 sessions: Biochemistry and regulation of phytochemicals; flavonoids and polyphenols in plant health; Flavonoids and polyphenols in human health; Nitrogenous Compounds; Terpenoids and steroids; The future of phytochemical diversity) Contact: Dr. Jack Shannon, Penn State, 102 Tyson Bldg., University Park, PA 16802. Telephone: 814-863-2192; Fax: 814-863-6139; e-mail<jack_Shannon@agsc.psu.edu

International SI/MAB Symposium Measuring and Monitoring Forest Biological Diversity: The International Network of Biodiversity plots. Washington, D.C. USA. May 23-25, 1995. Contact: Francisco Dallmier, 1100 Jefferson Drive S.W. Suite 3123, Washington, D.C. 20560. Telephone: 202-357-4792; Fax: 202-786-2557; e-mail: IC.FGD@IC.SI.EDU

Plant Growth Regulator Society of America. Minneapolis, Minnesota, USA. July 18-20, 1995. Three Symposia: The use of transgenic plants in plant hormone research; Natural Products that influence growth and development; and Ethylene, with an emphasis on postharvest physiology. Contact: Dr. Duane Greene, Dept. of Plant & Soil Sciences, Bowditch Hall, Univ. of Massachusetts, Amherst, MA 01003. Telephone: 413-545-5219

Phytochemical Society of North America. Phytochemical Redundancy in Ecological Interactions. Sault Ste. Marie, Ontario, Canada. August 12-16, 1995. Contact: Mandoub Abou-Zaid, Forest Pest Management Institute, 1219 Queen St. East, Sault Ste. Marie, ONT, Canada, P6A 5M7. Telephone: 705-949-9461; Fax: 705-759-5700.

American Chemical Society Symposium on Saponins: Chemistry and Biological Activity, Chicago, Illinois, USA, August 20-25, 1995. Contact: George Waller, Oklahoma State University, Dept. of Biochemistry & Molecular Biology, Stillwater, OK 74078-046B. Telephone: 404-744-6692; Fax: 405-744-7799

ANNOUNCEMENTS

Bowers Honored. William S. Bowers, ISCE life member, and Professor of Entomology and Chemical Ecology, University of Arizona, was elected to membership in the US National Academy of Sciences during the annual meeting of the Academy in April 1994.

Dr. Bowers, educated at Indiana University and Purdue, has received a number of prestigious honors including the Alexander von Humboldt Award in 1983 for pioneering research on the identification, synthesis and exploitation of hormones affecting the growth of insects; the Founder's Memorial Award from the Entomological Society of America in 1991; and both a Senior Fulbright Scholar Award for research on the desert locust and the President's International Scholar Award of Assuit University of Assuit, Egypt in 1993. His research focuses on the development of biorational strategies for plants and public health protection - insect growth and behavior regulating allelochemicals, natural product chemistry, and chemical ecology. He is published in 107 Refereed Journal articles, has edited 7 books and written 37 book chapters. He has 19 patents.

And Honored Again. The Kansas City Section of the American Chemical Society hosted an award ceremony on February 16, 1995 to honor outstanding contributions to the field of agricultural and food chemistry resulting from the scientific research conducted by Dr. William S. Bowers of the University of Arizona at Tucson. Dr. Bowers received the Kenneth A. Spencer Award. The award includes a medal and an honorarium to encourage and reward outstanding research efforts.

New Journal. The center for the study of venoms and venomous animals in Brazil is organizing an interdisciplinary publication concerned with research on venomous animals. "The Journal of Venomous Animals and Toxins will deal with the Biology, Behavior, and Chemistry and Biochemistry of animal toxins. The journal will be published in English on 3.5" HD/DD diskettes. A 386 IBM-PC or IBM-compatible computer with

Windows 3.1 software must be used for reading and printing. Each issue will contain original papers, review articles, letters to the editors, case reports, preliminary reports, book reviews, bibliographies of interest, and announcements. Subscriptions, correspondence and manuscripts submitted for publication should be sent to the editor, **Prof. Dr. Benedito Barraviera, CEVAP, Sao Paulo State University (UNESP), PO Box 502, 18618-000, Botucatu, SP Brazil.** Annual subscription rates are \$20 US.

Graduate & Postdoctoral Fellowships. Penn State has a new NSF-sponsored Research Training Group, "Plant Responses to the Environment: Biochemical Bases, Physiological Responses, and Ecological Consequences". This is a cross-disciplinary team effort to train scientists to collaborate with others working at different levels and using different approaches. They are seeking candidates from 3 "tiers": biochemistry/molecular biology, whole-plant physiology, and ecology/evolutionary biology. Participants will work with at least 2 of 18 faculty from 13 departments ranging from chemical engineering to entomology, and join in "problem-based learning" exercises to develop skills in cross-disciplinary collaborations. The scientific theme focuses on plant "behaviors" - dynamic responses to environmental stimuli ranging from pathogens and insects to ozone and touch. **Contact Jack Schultz, Pesticide Research Lab, Penn State Univ., University Park, PA 16802. Telephone: 814-863-4438; Fax: 814-86-3382..**

Correction:
Dr. Jelle Atema, of Boston University and the MBL at Woods Hole, along with Drs. Tom Eisner and Jerrold Meinwald of Cornell provided the pre-banquet music in Syracuse. I gave Cornell a bit more credit than it deserved!

CHEMECOL@IQM.UNICAMP.BR

BRAZILIAN ELECTRONIC INITIATIVE

Clecio Fernando Klitzke, a member in Campinas Brazil, is attempting to create an electronic newsletter with useful information for people interested in Chemical Ecology. A discussion list in this area has been established and people are invited to subscribe by sending a message so stating to <chemecol@iqm.unicamp.br>. The list currently has more than 100 subscribers, and a directory of subscribers will be prepared. There is no charge for the service. Information needed for the directory is: your name, affiliation, status (student, professor,...), professional interests, and your e-mail address.

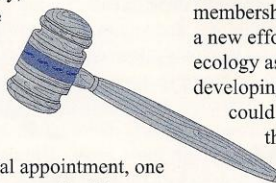
A number of ISCE members already are using the "list" as a forum for discussing the impact that plant-herbivore theory has had on ecology (very little, based on current ecology texts, according to Nancy Stamps). This discussion topic has been extended somewhat to include a "what is chemical ecology" debate. A strongly interdisciplinary exchange of ideas is hoped for. Drop in on the "network" and sound off!

PAST PRESIDENT'S MESSAGE

Let me first say that it was an honor to serve as president of the ISCE for the 1993/94 term. I greatly enjoyed learning more about each of you and sensing your inspirations, your aspirations and visions in the field of chemical ecology. The meeting in Syracuse served, for me, to underscore the commitments each of you have made to this exciting field of study.

One of the objectives of the ISCE president should be to contribute significantly or enhance the Society in some way. I found this a difficult objective when one considers the presidency is only a 12 month appointment. On the basis of my experience, I want to pass along some recommendations and to comment upon them briefly. Hopefully, with your concurrence and support, these suggestions can form the basis of constructive change.

The term of presidential appointment, one year, is far too short for meaningful achievement. The Society is complex, and the president needs to have a comprehensive understanding of its current structure and its past activities. Furthermore, there are activities which simply require longer than one year to implement. In retrospect, I believe that the ISCE has not been served



well by this short term appointment. Frankly, without the assistance of John Romeo and Jim Nation, who represent the real continuity of the Society, most of the past presidents would have had pressed to even assemble the Society's membership. Thus, I suggest that the members and leadership of ISCE consider a two year presidential term.

In my opinion, the outreach activities of the ISCE also need to be reviewed, especially in the area of international service to the chemical ecology community. Although ISCE is an international society, its membership is mainly from Europe and America. I believe we need to adopt a more aggressive international posture and to grow in our international membership. I favor the establishment of a new effort to underscore chemical ecology as an essential discipline in developing countries. This discipline could be viewed as a window through which an understanding of the values of biodiversity and conservation can be observed. This could be accomplished, in a fashion proportional to the availability of ISCE funds, in part, through the award of fellowships and travel awards which will allow researchers to both belong to ISCE, to receive the Journal, and to participate in its annual meetings.

If funds are available, this concept can also form the basis of a fellowship program which could allow young researchers from developing countries to visit major laboratories and to establish collaborative programs.

New programs as above are clearly dependent upon successful fund raising activities. Over the years, the ISCE has been in excellent financial shape due to your combined efforts. However, our financial state is also due to the fact that we allocate a very small component of our budget to community outreach activities. Last year this was in the range of 4% of our cumulative budget. New programs will require a more aggressive and more organized fund raising effort. I was pleased to see that President McNeil has taken an active role in resurrecting the Fund-Raising Committee to enhance this essential activity.

In closing, I want to thank all members of the ISCE who continue to support the Society and who dedicate much time to advance the field of chemical ecology.

William Fenical

NEW MEMBERSHIP DIRECTORY

In late spring Jim Nation is going to prepare and distribute a new membership directory of ISCE members. The last one was prepared in 1992. Since that time we have added many new members. Many long-time members now have electronic mail capability and these addresses need to be added.

This year about 200 members have renewed membership by mailing in dues as well as data for the Directory update. If you have misplaced your membership update form, here is the information we need:

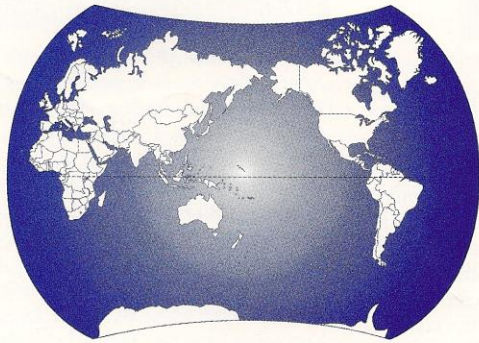
- 1) Name and complete Address as you want it listed in the directory.
- 2) Telephone, Fax number, and complete e-mail address.
- 3) 5-6 key words indicating your research interests.

Checks or money orders (\$25 regular; \$10 student) should be made payable to International Society of Chemical Ecology and mailed to:

**Jim Nation,
Box 110620, Bldg. 970
Dept. of Entomology & Nematology
University of Florida
Gainesville, FL 32611-0620, USA.**

It is also possible to send payment by Girocheck or Eurocheck in Swiss Francs (35 SF regular; 15 SF student) to: Martine Rowell-Rahier, Institut de Zoologie, Universite de Neuchatel, Rue Emile-Argand 11, CH-2007 Neuchatel, SWITZERLAND.

We need updates from LIFE members. The Internet address for Jim Nation <jln@gnv.ifas.ufl.edu> can be used to send or update Directory information.



COMPETITIVE TRAVEL AWARDS FOR STUDENTS

Continuing its tradition of supporting student travel to attend annual meetings, the ISCE Executive Committee has again designated funds to be used to attend the Chile meeting. All student members of ISCE are encouraged to apply. Applications are evaluated by the Student Awards Committee. To be eligible, a student must meet all of the following criteria:

- be a paid-up member of ISCE, *i.e.* on the ISCE secretary's membership list at the time of the application;
- be a full-time graduate student or a full-time postdoctoral research associate;
- present a paper or a poster at the Chile meeting;
- must not have previously received an ISCE travel grant.

Applications (enclosed) should be sent airmail and post-marked on or before May 1, 1995 to Dr. Yoko Naya, ISCE Student Awards Committee, Suntory Institute for Bio-Organic Research, Wakayamadai, Shimamoto-Cho, Mishima-Gun, Osaka, 618 JAPAN. The other members of the selection committee are Dr. Juraj Harmatha and Dr. Robert Mason.

SPECIAL TRAVEL FELLOWSHIPS FOR STUDENTS AND YOUNG SCIENTISTS FROM LATIN AMERICA -

A limited number of fellowships will be available for **non-members** of ISCE for participation in the Chile meeting. You can use the student application form, but apply directly to Hermann Niemeyer.

1995 ISCE COMMITTEES

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