



# NEWSLETTER

INTERNATIONAL SOCIETY OF CHEMICAL ECOLOGY

Vol. 12, No. 3, October, 1995

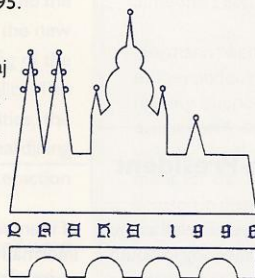
## 13th ANNUAL MEETING - PRAGUE, CZECH REPUBLIC

The 13th annual meeting of the ISCE will be held **August 18-22, 1996** in the city of Prague, Czech Republic. A brochure describing the scientific program is enclosed with the newsletter, along with a preliminary registration form which should be returned to the local meeting organizer Juraj Harmatha by November 30, 1995.

The scientific program has been organized by: Juraj Harmatha, Bohumir Koutek, Wittko Francke, Monika Hilker, Thomas Hartmann, Philipp Kirsch, and Jan Vrko.

The four symposia are:

- ◆ **Physiology and Mode of Action of Semiochemicals;**
- ◆ **Chemical Ecology and Mechanisms of Direct and Multitrophic Host-Parasite**
- ◆ **Interactions; Biochemistry of Secondary Metabolites;**
- ◆ **Practical Applications of Semiochemicals.**



Prague, Czech Republic  
August 18-22, 1996



Confirmed speakers include: **Karl Ernst Kaissling** (Seewiesen); **John Hildebrand** (Arizona); **Thomas Hartmann** (Braunschweig); **Ted C.J. Turlings** (Zurich); **Wilhelm Boland** (Bonn); **Thomas J. Savage** (Washington State University); **Philip Kirsch** (West Linn, Oregon); **Glenn Prestwich** (Stony Brook, USA).

Invited speakers include: **Richard Vogt** (South Carolina); **Marcel Dicke** (Wageningen); **Desire Daloze** (Bruxelles); **Heinrich Arn** (Wadenswil, Switzerland); **Peter Witzgall** (Alnarp, Sweden); **Gary Daterman** (USA).

Conference fee and price for accommodation with full board is not expected to exceed \$700 US. Reservations for additional days before and after the meeting at reduced prices will be available at the Conference Center Hotel., CDMS-Krystal.

### From the Editor

**ISCE - Missing Archives.** We are still missing, in the Society Archives, copies of the program and abstracts from the following annual ISCE meetings: Austin, 1984; Madison, 1985; Berkeley, 1986; and Dijon, 1991. Anybody with a "clean" copy of any of these, please consider sending it to me for the archives. Thanks.

**Contributions.** This is the largest newsletter ever. Many thanks to the several contributors who provided information. This is a welcome change which I hope is the start of a trend! I also hope you enjoy our somewhat modernized graphic look.

**Enclosure.** A brochure describing the 13th Annual Meeting in Prague is enclosed with the newsletter. Note the early due date (November 30, 1995) for pre-registration.

**Enclosure.** Your 1996 Annual Dues Form is enclosed. Please send your check to Frances Webster while you are thinking about it.

- John Romeo

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## PRESIDENTIAL ADDRESS

### To the Society Membership

As those of you present at the Chile meeting will have gathered, I am delighted to be the new President of the Society. I have been a strong supporter of the Journal, both as a contributor and referee and recently as a member of the editorial board. I have also enjoyed, and drawn scientific inspiration from, the many annual meetings of the Society that I have been fortunate enough to attend. During my term of office, I intend that we will increase our membership and, in this, I look to you, firstly in encouraging colleagues whose membership has lapsed to return to the fold, and secondly in finding new members. I also look to you to ensure that, wherever possible, and of course merit withstanding, we attend to membership proportions, taking on board issues of age (at both ends of the spectrum), gender and ethnicity. Nonetheless, in stating our clear need for new members, we must not be complacent. Accordingly, we must strive to enhance the reputation of the Society by a continuous effort to improve our impact, by the quality of our papers in the Journal, in our presentation of chemical ecology to scientific and public audiences, and not least by the standard of contributions we make at our own meetings. Five new members will join the Council and Jeremy McNeil, as Past President will remain as a member. I will look to this newly convened Council not only for support but for direct action in a more dynamic furtherance of the objectives of the Society.

I hope you will support me in my endeavors on your behalf but please bring forward, as some have already done, any criticism of the Society or points to which you believe we should give specific attention during my term of office.

With very best wishes to you all and thank you again for this honor.

Yours sincerely,

J.A. Pickett

President, International Society of Chemical Ecology

### Parting Thoughts from the Past-President

Due to the efforts of Hermann and Cecilia Niemeyer as well as the many students from the University of Chile, the first meeting in South America was an unquestionable success. In the name of all participants I would like to thank them all for the exceptional work they did for the ISCE.

One point that came up during the annual business meeting was the best use of Society funds. We are in a solid financial position, thanks in great part to the fund raising efforts of past Presidents such as Kenji Mori and Wittko Francke and the sterling service of our outgoing Treasurer Jim Nation. Several members expressed the opinion that we should spend a considerable portion of this money to foster Chemical Ecology, thereby generating new members to the Society. This is a laudable goal, but it should be realized that annual dues are not profit generating: they are intentionally set at a level to cover administrative costs of the Society. Thus, any increased revenue obtained through new members would not markedly improve our financial status.

The interest from our current "reserve" provides the funds for the annual student travel scholarships. Furthermore, the capital is our guarantee that, should such an occasion arise, we are able to cover a financial shortfall of an Annual ISCE meeting. In the present economic climate it is unlikely that we will be able to add significantly to our reserves (In 1995 I received only one positive response to the over 250 letters I sent to companies throughout the world) so decisions concerning the use of existing capital must not be taken lightly.

Several suggested uses of funds were made: support for Chemical Ecology Workshops in developing countries; increasing the amounts allotted to travel scholarships; and providing research grants. While the limited amount of resources precludes the ISCE from becoming a granting agency, the other possibilities certainly merit serious consideration. For example, we could support a workshop on a one-time basis, thereby permitting us to evaluate the merit of such an activity. A group

of members would submit a complete workshop outline with detailed information on (i) the coordinator, (ii) the venue, (iii) the resource persons to lead the activities, (iv) the number and origin of the participants, and (v) a detailed budget for all costs. The Executive And Councilors would, if they approved of the proposal, guarantee partial funding (on the order of \$5000) on the condition that the organizers of the workshop were able to generate the balance from other sources. If this format was successful, the supporting workshops could then be considered on a more regular basis. Obviously, finances would limit the number of workshops the ISCE could sponsor, but seeking money to support workshops would then become the object of an active funding campaign.

As noted above, any decisions concerning the use of our current resources requires serious thought, and impromptu decisions, no matter how appealing, must be avoided. At the annual general meeting members decided that anyone with suggestions as to how the ISCE might effectively use a proportion of our capital to foster Chemical Ecology should submit their ideas in writing to the ISCE Executive. Hopefully a number of different suggestions will be submitted. These will appear in the ISCE newsletter and provide all members the opportunity to reflect and comment on the relative merits of the different proposals received. I strongly urge you to take an active role in this process for the vigor of our Society is dependent on the participation of all members.

In closing, I would like to thank you all for the privilege of serving as your President in 1994-1995.

Jeremy N. McNeil,  
Past President



## CHILE REFLECTIONS

The bulk of the ISCE active membership resides in North America and Europe. The decision made by the ISCE Executive Committee and Councilors in 1992 to hold a meeting in Latin America as a way of demonstrating support and recognition for chemical ecology on that continent was realized successfully at Los Andes. Of the 135 participants, over 50 were Latin-American, 21 from Chile. Roughly a third of the symposium talks and half of the posters were their contributions. The IFS workshops, which preceded the ISCE meeting, were innovative and also a great success.

From the opening dinner, with its welcoming surprise of Chilean dancers, to the final banquet and the passing from Jeremy McNeil to John Pickett of the gavel and the new Canadian pallet on which to pound it, the 12th Annual Meeting of the International Society of Chemical Ecology was a feast of collegiality. The remoteness of Baños El Corazon, the excellence of the facilities, the concentration of everyone within a 2 minute walk, the communal dining room, the warm hospitality - all encouraged much scientific interaction and camaraderie.

New "traditions" were introduced: - the Silverstein/Simeone Award Lecture, given by the first recipient, Wilhelm Boland, engendered a great deal of excitement. Tritrophic interactions took center stage on Thursday evening as Professor Boland demonstrated that new frontiers of chemical ecology are opening and developing at a rapid pace. - On another evening and at the other end of the spectrum, the "chemical ecologist as a person" lecture was carried off brilliantly by an introspective John Pickett who gave us insight into what makes John run to the frontiers! The ISCE Silver Medal, the highest honor bestowed by the Society, was awarded to Wittko Francke (a tribute will appear in the next newsletter).

The meals were outstanding, the wine was impressively good, and the weather just about perfect. Sessions were controlled and timetables scrupulously adhered to by using yellow and red lights, barking dogs, and threats of physical violence! The no ticket-no food method worked exceptionally well. With phrases like "electrical penetration graphs", "chiral chemodiversity", "non-habituating flehmen responses", "modified cyclodextrins", and "jasmonic acid" swimming in our heads and punctuating our conversations we managed to enjoy our free time in quiet walks or noisy singing. Some of us saw stars, some, condors. The meeting hosts, Hermann and Cecilia Niemeyer and their student helpers, could not have been more gracious. We left smarter, happier, and with a desire to return. Thanks to all for making it happen.



*Dr. Wilhelm Boland, recipient of the first Silverstein/Simeone Plenary Lecture Award.*

## ANNUAL BUSINESS MEETING - NOTES

The annual Business Meeting of the ISCE at Los Andes, Chile was called to order by President Jeremy McNeil at 12:50 PM on Friday October 6, 1995 immediately following the last talk of the morning symposium. Present were: President J. McNeil; Vice-President, J. Pickett; Secretary, J. Romeo; Treasurer, J. Nation, and approximately 70 members.

Jeremy called upon Jim Nation to give the treasurer's report. Jim summarized our finances pointing out that as of October 2, 1995 the Society had a net worth of \$106,100. Of this, \$12,360 is in an active Checking Account, \$63,502 is in a savings Grants Account, and \$30,238 in a savings Life Member Account. During 1994, there was a deficit between income and expenditures of \$5,488. The Society received 3 grants in 1994 - one from the Pfizer Company in the amount of \$1000, a second from member Gerald Rosenthal for \$3000 to be used to support student travel, and a third from Plenum Press for \$2000 in support of the Silverstein/Simeone Lecture..

Hermann Niemeyer asked how the Society planned to spend this money and suggested that a considerable amount be dedicated to helping support the work of developing scientists. A lively discussion followed in which two opposing points of view prevailed. The first being that \$100,000 is not a very large endowment for the Society to hold in reserve and that caution should be used in dispensing it. For example, an annual meeting without outside financial support could quickly deplete a large portion. This group favored finding ways to increase the endowment including alternative investment strategies. The second view was that a percentage of the money be used immediately for more support of chemical ecology research in developing countries, including the holding of teaching workshops sponsored by the Society. Member, Manoj Rai from Kenya asked the EC to consider prizes for the best oral and poster presentations by students. McNeil pointed out that this was an idea debated many times by many ECs and Councilors and rejected because of the difficulties involved in selection. After listening to all points of view regarding finances, President McNeil suggested that members write down their suggestions and forward them to President-elect Pickett for consideration by the Executive Committee and Councilors.

Jim Nation showed a copy of the new Membership directory which will be mailed to members together with the October newsletter. It includes 653 names. Of these ~100 are life members, ~300 are dues paying, and the rest ~200 have not paid dues since 1991.

John Romeo gave the secretary's report and appealed to members to use the newsletter as a forum for discussing their causes. Essentially no one contributes information for the newsletter and John would very much appreciate material including information concerning awards, recently published books, even obituary notices. In view of the immediate past discussion a lively debate could occur within the newsletter and John will be happy to publish and summarize any information received from any member.

(Continued on page 6)



## THANKS

- From Out-Going Treasurer, Jim Nation

I want to express sincere thanks to the membership of the International Society of Chemical Ecology for letting me serve as Treasurer of the Society funds for the past 9 years. It has been a really enjoyable experience for me. Receiving the dues payments and maintaining the membership data base has enabled me to get to know most of the members of the Society. I also thank the Executive Committee and membership for the medal given to me at the annual meeting in Los Andes. I will cooperate fully with Dr. Fran Webster in Syracuse, NY, the new Treasurer, to effect a smooth transfer of bank funds and records. I am happy to be able to say that the Society is in good financial shape, due mainly to the hard work of our fund raising committee and the efforts of the Presidents of the Society.

I expect to continue close contacts with Society members through new responsibilities as Co-Editor with David Jones of the Journal of Chemical Ecology. David and I value the input of Society members relative to the Journal. We intend to continue the reputation for high quality scientific publication that the Journal now enjoys, and we solicit your help to ensure that.

### TREASURER'S REPORT -

REPORT TO MEMBERSHIP - Los Andes, Chile

1994 - Total Income	\$ 42,522.45
Total Expenses	48,010.95
Deficit	5,488.50
31 Dec, 1994 Total Assets	\$103,792.42

### Rosenthal Gift For Student Travel

The International Society of Chemical Ecology, Inc. thanks **Dr. Gerald A. Rosenthal**, Professor, T.H. Morgan School of Biological Sciences, University of Kentucky, Lexington, KY 40506, for a gift of \$3000 in August, 1995. A life and founding member of the ISCE and recipient of the 1994 ISCE Silver Medal Award, Dr. Rosenthal collected the money for academic purposes from a large number of scientists around the world who work on, or were interested in, amino acid-plant-animal interactions. The gift to ISCE was derived from this collection. The Society will honor the request of Dr. Rosenthal to use the money solely to support student travel to ISCE meetings in 1995, 1996, and 1997.

## ISCE STUDENT TRAVEL AWARDS - 1995

The ISCE student travel awards committee (**Yoko Naya, Chair, Juraj Harmatha, and Robert Mason**) dispensed a record high \$5000 to deserving young scientists for travel to the annual meeting in Chile. Requests for over \$19,000 were received. Those provided with financial assistance and presented with checks at the banquet by Dr. Naya were:

**Ms. Ingrid Markovic**, Department of Entomology, Madison, Wisconsin, USA for: "Volatile and Non-Volatile Chemical Bases for Gypsy Moth, *Lymantria dispar*, Larval Rejection of Green Ash, *Fraxinus pennsylvanica*, Foliage as Food".

**Mr. Gal Yarden**, Department of Chemistry, Beer-Sheva, Israel for: "(Z,E)- $\alpha$ -Farnesene - An Electroantennogram Active Component of the *Maladera matrida* Volatiles".

**Dr. Jean-Luc Boevé**, Applied Zoology, University of Berlin, Berlin, Germany for: "Volatiles Emitted by Larvae of the European Apple Sawfly and by the Fruit They Infest: Potential Significance for Foraging natural Enemies".

**Dr. Scott Smedley**, Section of Neurobiology & Behavior, Cornell University, Ithaca, New York, USA for: "Vitamin Derivatives in the Defensive Secretion of Pupae of *Epilachina borealis* (Coleoptera: Coccinellidae)".

**Dr. Horst Baumann**, Department of Animal Physiology, University of Bayreuth, Bayreuth, Germany for: "Monoterpenes and Alkaloids in the Ant *Myrmica*: How Do Both Interact During Predation"?

**Mr. Bernd F. Hägele**, University of Neuchatel, Institute de Zoologie, Neuchatel, Switzerland for "The Choice and Performance of *Callimorpha dominula*, *Cylindrotom distinctissima*, *Oreina cacaliae* and *O. speciosissima* (Two Generalist and Two Specialist Herbivores on Senecioneae Plants) Towards Caclol and Seneciphyllin, a Sesquiterpene and a Pyrrolizidine Alkaloid found in *Adenostyles alliariae* and *A. alipina* (Asteraceae, Senecioneae)".

ISCE student travel awards are made on the basis of need and the potential to contribute scientifically to chemical ecology.





## ANNOUNCEMENTS

**Biology of Communication Award.** The Jean-Marie Delwart Foundation will award in 1996 a Prize for a research, individual or collective, in the field of Chemical Communication. The work must be the discovery of a new signaling function or of a substance(s) which is involved in animal/animal or animal/plant communication. The Prize is \$10,000. Works must be written or translated to French or English and must be sent by December 31, 1995 to: Foundation Jean-Marie Delwart, Château de Pellenberg, B-3212 Pellenberg, Belgium. An application letter and a current CV with complete list of publications must be included.

The jury is composed of members of the scientific committees of the Foundation and of members of the Académie Royale des Sciences de Belgique. It will be awarded in December 1996.

**Miriam Rothschild Honored.** A seminar entitled "Use and Misuse of Plant Secondary Compounds by Insects" was held 28-29 October, 1995 by the Foundation Jean-Marie Delwart in Louvian-la-Neuve, Belgium.

Several ISCE luminaries participated including: Jacques Pasteels, Ritsuo Nishida, Stephen Malcolm, Thomas Hartmann, Michael Boppré, Martine-Rowell-Rahier, Gunnar Bergström, Erich Städler, Marcel Dicke, Monika Hilker, Désiré Dalozé, and Wittko Francke.

**Chemical Ecology Video?** Member Brian Staddon from Wales asks if the ISCE would benefit from a video and booklet, produced by members. He points out that the Society of Developmental Biology benefits financially from a similar relatively inexpensive video and explanatory booklet. Any volunteers interested in this as a challenge?

**IFOAM.** The International Federation of Organic Agriculture Movements has as its objective the fostering of organic agricultural systems by producing food in an environmentally, socially and economically sound way. By working with the innate capacity of plants and animals to flourish in a healthy environment, they have developed systems of agriculture which do not use chemo-synthetic fertilizers, pesticides or pharmaceuticals. IFOAM sets basic standards, co-ordinates research and conferences and issues a range of publications - including a Worldwide directory of member organizations and corporate associates which contains addresses and details of about 500 groups in 95 countries.

For additional information contact:  
IFOAM Secretariat,  
c/o Okozentrum Imsbach,  
D-66636, Tholey-Theley, Germany.

### Pickett Honored

The Rank Prize for Nutrition and Crop Husbandry (1995) was awarded to professor John Pickett of IACR-Rothamsted. The Prize was given in recognition of his "pioneering studies of insect chemical ecology, involving the identification of semiochemicals that influence the behavior of insects and their interactions with crop plants, and facilitating new strategies for insect pest control in agricultural practice". Professor Pickett has worked on the identification of natural products for over 20 years. His research at IACR-Rothamsted has increasingly centered on the characterization and potential use of naturally-occurring behavior-modifying chemicals which mediate interactions between insects and between insects and plants. He has applied sophisticated techniques to the identification of numerous semiochemicals of both pest and beneficial insects, including the first chemical characterization of mosquito and aphid sex pheromones. He is also interested in the potential use of semiochemicals in novel pest management strategies and in the manipulation of plant secondary metabolites to enhance natural defense mechanisms in plants.

After graduate and post-graduate studies at the University of Surrey, Dr. Pickett did post-doctoral research at the University of Manchester, before joining the Brewing Research Foundation in 1992. He moved to Rothamsted in 1976. The Biological and Ecological Chemistry Department he now heads, has made many important discoveries, including in previous years, the synthetic pyrethroids.

The Rank Prize Funds were established in 1972 to encourage a greater understanding of the sciences of nutrition and opto-electronics of special interest to mankind. Dr. Pickett was one of 9 leading scientists presented Rank Prizes totaling £140,000 on 25 May, 1995.



### Leal Honored

Walter Soares Leal, a Brazilian chemical ecologist, living in Japan for the last 11 years, received the Entomological Society of Brazil Award (1995) for his "outstanding achievements in the field of insect pheromones as well as for his contribution along with Brazilian entomologists to the advancement of this field in Brazil". This is the first award granted by the ESB in its 23 year history. Dr. Leal has published a noteworthy series of papers on insect-related chemical communication, and especially the pheromones of scarab beetles. He has a permanent position in a Japanese National Institute as Head of the Laboratory of Chemical Prospecting, and previously was awarded an important Japanese research Prize "Gijutsusho" in recognition of his independent research accomplishments. Walter is an active participant in ISCE Annual Meetings, both in the scientific and social events.





## UPCOMING MEETINGS

**Fourth Brazilian Symposium on the Chemistry of Lignins and Other Wood Components.** Recife, Brazil, 28-30 November-1 December, 1995. Contact: Prof. Eduardo H. Magalhaes Melo, Depto. Engenharia Quimica -CT-UFPE, Cidade Universitaria 50740-520 Recife, PE, Brazil. Phone: 005581 2718238. Fax: 005581 2710095. e-mail: lignin@npd1.ufpe.br

**6th International Symposium on Natural Products Chemistry.** Karachi, Pakistan, 4-8 January, 1996. Frontiers of natural product chemistry - stereoselective synthesis, spectroscopic techniques for structure elucidation, bioactive natural products chemistry.. Contact: Prof Attaur- Rahman, H.E.J. Research Institute of Chemistry, ;University of Karachi, Karachi 75270, Pakistan. Phone: 92 31 499 0007. Fax: 496 3373. e-mail: atta%6hejfirst@uunet.uu.net

**Segundo Congreso de la Biodiversidad Caribeña.** Santo Domingo, Dominican Republic, 14-17 January, 1996. Contact: Lic. Felicita Heredia I., Coordinador, Departamento de Biología, Facultad de Ciencias, Universidad Autónoma de Santo Domingo, Ciudad Universitaria, Santo Domingo, DN, Republica Dominicana. Phone: 1-809-535 8300. Fax: 1 809 -533 1106

**International Organization for Chemical Sciences in Development. "Chemistry, Biological and Pharmacological Properties of African Medicinal Plants"**. Victoria Falls, Zimbabwe, February 25-28, 1996. Prior to the symposium, there will be a workshop on Bioactivity-guided Fractionation at the University of Zimbabwe at Harare, from 22-24 February. Contact: Prof. Kurt Hostettmann, Institute of Pharmacognosy & Phytochemistry, University of Lausanne, B.E.P., CH-1015 Lausanne-Dorigny, Switzerland. Phone 4121 692 45 61. Fax 4121 692 45 05.

**5th Conference on the Application of Chromatographic Methods in Phytochemical & Biochemical Analysis.** Lublin, Poland, 21-22 June, 1996. Contact: Prof. Kazimierz Glowniak, Dept. Of Pharmacognosy, Medical Academy, Peowiakow 12 St., 20-007 Lublin, Poland. Phone:048-81-23314. Fax:00-48-81-28903.

**VII Simposio Latinoamericano de Farmacobotánica-II Reunión de la Sociedad Latinoamericana de Fitoquímica.** Montevideo, Uruguay, 20-23, March 1996. Contact: Dra. M. Pilar Menéndez, Facultad de Química, Casilla Correo 1157, Montevideo, Uruguay. Phone: 598 2 94 40 68, Fax:598 2 94 1906. e-mail: planta@bilbo.edu.uy

**Group Polyphenols, XVIII: International Conference on Polyphenols.** Bordeaux, France. 21-27 July, 1996. Main topics: food products, tannins, nutrition and toxicology, oxidation, phenols and the environment, and extraction, analysis and technology. Contact: Joseph Vercauteren, Laboratoire de Pharmacognosie, 3 ter Place de la Victoire, 33076 Bordeaux Cedex, France. Phone: 33 65 92 96 57. Fax: 33 56 91 23 72.

**Phytochemical Society of North America. Phytochemistry of Food.** New Orleans, Louisiana, USA. 11-14 August, 1996. Contact: Dr. Nikolaus H. Fischer, Department of Chemistry, Louisiana State University, Baton Rouge, LA 70803. Phone: 504 388 2695. Fax: 504 388 3458.

**International Federation of Organic Agriculture Movements.** Copenhagen, Denmark, August, 1996. Contact: IFOAM, General Secretariat, c/o Okozentrum Imsbach, D-66636 Tholey-Theley, Germany. Phone: 49 6853 5190. Fax: 49 6853 30110.

**Society for Medicinal Plant Research, 44th Annual Congress.** Prague, Czech Republic, 2-7 September, 1996. Main topics: Natural compounds with anticancer activity, plant cell cultures and biotechnology, structural elucidation, analytics and quality control, biological activities of natural products. Contact: Dr. Tomas Vanek, Institute of Organic Chemistry and Biochemistry, Czech Academy of Sciences, Flemingovo nam. 2, 166 10 Praha 6, Czech Republic. Phone: 422 33 12 574. Fax: 422 243 10 503. e-mail: vanek@uochb.cas.cz.

**First World Congress on Allelopathy.** Cadiz, Spain, 16-20 September, 1996. Divided into 8 symposia covering all aspects of allelopathy. Contact: Prof Francisco A. Macias, Department of Organic Chemistry, Faculty of Science, University of Cadiz, Apdo. 40, 11510-Puerto Real (Cadiz) Spain. Phone: 34-56-830217. Fax: 34-56-834924. e-mail: famacias@galeon.uca.es

### (Annual Business Meeting Notes - Continued from page 3)

John has established a Home Page on the world wide web. The site is located at the University of South Florida and currently has a limited amount of information to provide general information about chemical ecology and the Society. Included are: 1. the ISCE brochure created several years ago by Dr. Francke, complete with color photographs and descriptions of research areas. 2. A copy of our most recent newsletter. 3. An application blank for membership. The address is: <<http://www.cas.usf.edu/ISCE/index.html>>. He encouraged members to take a look and send to him suggestions for ways to expand the home page. An *ad hoc* committee of Pierre Escoubas, Jean-Luc Clement and John Romeo will be improving and expanding the home page over the coming year. No information about individuals will be placed on the web unless it is provided by those individuals. Future things planned for inclusion are: abstracts from the annual meeting; the program of future meetings; and the Table of Contents of the Journal of Chemical Ecology. There are no plans to publish the membership directory on the web.

The results of the recent election were announced. Martine Rowell-Rahier of University of Neuchatel, Switzerland has been elected Vice-President and Frances Webster of Syracuse University, USA is our new Treasurer.

Jeremy McNeil announced the sites for future meetings. We will meet in Prague, Czech Republic in August 1996. Plans for 1997 are still uncertain. The meeting will be either in Nairobi, Kenya or Vancouver, Canada. Future plans are to hold meetings in Germany and Ithaca, New York.

Jeremy summarized the history of the Silverstein/Simeone Plenary Lecture Award. This is to be given on an annual basis to a chemical ecologist working on the frontier of the discipline. Wilhelm Boland from Bonn, Germany was congratulated for being the first recipient of this award.

There being no further new business and, with stomachs demanding food, the meeting was adjourned at 1:50 PM with an invitation for all to meet next year in Prague.



<http://www.cas.usf.edu/ISCE/index.html>

ISCE is now on the "web". In a new effort to promote the Society, we have created a home page which includes: a brochure describing the Society, a copy of the most recent newsletter, and an application form for joining. The University of South Florida provided the "site" and the home page was created by John Romeo, with encouragement from Pierre Escoubas and Hermann Niemeyer, and with the help of a USF undergraduate student, David Cheng. It is a very modest beginning.

Ultimate use of the site will need to be discussed further by the Executive Committee, Councilors, and Membership as times change. To that end, the EC appointed an ad hoc committee consisting of Pierre Escoubas, Jean-Luc Clement, and John Romeo to improve the home page and to expand its scope during the coming year. In addition to projecting a positive image for the Society, the home page potentially could provide additional services to members and facilitate the exchange /flow of information. Things that may be included are: annual meeting abstracts; a data base of laboratory information submitted by individual members; the table of contents page of the Journal of Chemical Ecology; links to other resources in chemistry/biology; an automatic membership inscription service.

The maintenance of a web site is labor intensive and will require a group effort. Pierre, Jean-Luc and John will attempt this during the coming year. The Secretary will control the information that is put on the site after consultation with the EC. There are no current plans, for example, to put the membership directory on the site since many individuals object to this idea. We would appreciate suggestions and comments from the membership during the next few months. Meanwhile, have a look and tell us what you think!

(Welcome to the web)

## **IFS** Workshop in Chile

An IFS workshop on "**Techniques in Plant-Insect Interactions and Biopesticides**" was held at the Laboratorio de Quimica Ecologica, Facultad de Ciencias, Universidad de Chile, September 24-30, 1995.

The International Foundation for Science (IFS) began its granting program in 1974 to support young Third World scientists doing relevant research in agricultural and biological sciences, and related technology in Third World institutions. Since its inception the foundation has supported over 2500 scientists in approximately 100 developing countries. The granting program is organized into seven separate scientific research areas, including crop science, natural products, and forestry/agroforestry. A major goal is to stimulate young scientists with common interests and problems to interact with each other preferentially on a regional basis.

The need for a multidisciplinary strategy is particularly apparent within the discipline of chemical ecology, which was the topic of the workshop held in Santiago. Studies on the mechanisms by which plants and insects send signals of repellency or attraction in different environments require skills in both biology and chemistry. The aim of the workshop consequently was to bring together grantees from different research areas and with fundamentally different back-

grounds with biologists dealing with crops and their pests, and with organic chemists oriented towards elucidating molecular structures and the synthesis of organic compounds.

Participants in the workshop included IFS grantees from Argentina, Brazil, Chile, Colombia, Mexico, Peru, and Venezuela. The workshop consisted of two parts - lectures by scientists and experimental sessions where participants obtained hands-on experience in different techniques. These practical sessions addressed: electroantennography (under the supervision of Lester Wadhams and Christine Woodcock from the UK); GC-MS (John Pickett, UK); aphid taxonomy and ecology (Victor Eastop, UK and Jan Pettersson, Sweden); aphid feeding (Freddy Tjallingii, The Netherlands); aphid nutrition (Helmut van Emden, UK, and Yvan Rahbé, France); the isolation of compounds from plant extracts (Peter Baeckström, Sweden); and bioassays (Pierre Escoubas, Japan, and Miguel Alonso, Venezuela).

The workshop was a great success. A number of solid links between grantees and invited scientists were established that should lead to viable scientific collaborations in the future. Since the workshop was coupled to the annual ISCE meeting, the grantees were able to meet other ISCE participants and present and discuss the results of their research at an international meeting.



## NEW BOOKS



A new book entitled **Tropical Biodiversity** edited by Miguel E. Alonso-Amelot, University of the Andes, Merida, Venezuela, has been published. It is written in Spanish for the hispanoamerican audience, but is readable by others with a middle level knowledge of technical Spanish. The book contains six chapters written mostly by experts living in the neotropics. Subjects are: Introductory Considerations (Daniel Otero); Biodiversity of Venezuelan Andean Vertebrates (Jaime Pefaur); Crisis in Biodiversity of Venezuelan Amphibians, a Case Study ( Enrique La Mar); Importance of Biodiversity of Humans ( P. Durant); Measurement of Species Diversity (Samuel Segnini); and Biodiversity and Chemodiversity (Miguel Alonso). The book is 169 pages, softbound, and is available for US \$10 plus 2.50 postage and handling from: Miguel E. Alonso-Amelot, Universidad de Los Andes, Merida, Venezuela, or you can e-mail your request to: [alonso@ciens.ula.ve](mailto:alonso@ciens.ula.ve)

**Identification of Essential Oil Components by Gas Chromatography and Mass Spectroscopy** by Robert Adams, Baylor University, has recently appeared in a new addition. The new edition features spectra and retention times for over 1,200 of the most commonly occurring compounds in plant essential oils. All compounds are listed in order of their elution on DB-5 (=SE54), the most popular stationary phase used today. Structures are revised, and Kovat's Indices are included for all compounds. Also included are: CAS number, molecular formula and weight, chemical name and synonyms. An index cross indexes compounds by their common names. The book can be purchased with an accompanying computer library for use with a mass spectrometer computer system. The book is useful in flavors, fragrances, natural products research, food chemistry, chemosystematic studies, and chemical ecology. Cost is \$95 US and Computer Library \$395 from Allured Publishing Corp., Carol Stream, IL 60188 USA.

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## NEW COUNCILORS

ISCE President John Pickett has appointed 6 new Councilors to fill the expired terms of those retiring this year. They are:

**Yasumasa Kuwahara**, Pesticide Research Institute, Faculty of Agriculture, Kyoto University, Japan;

**Nancy Targett**, College of Marine Studies, University of Delaware, USA;

**Beata Gabrys**, Department of Agriculture and Entomology, Agricultural University, Wroclaw, Poland;

**Glenn Prestwich**, Department of Chemistry, State University of New York, USA;

**Louise Vet**, Department of Entomology, Wageningen Agricultural University, The Netherlands;

**Jeremy McNeil**, Department of Biology, Laval University, Canada.

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