The 34th Annual Meeting of the American Society of Pharmacognosy will be held July 18-22, 1993 in San Diego, California. The meeting will be based at the Princess Resort on an island in Mission Bay.

The topics for this year's symposia include: Biodiversity, Targeted Drug Discovery, NCI Intramural Drug Discovery, and National Cooperative Drug Discovery. See page two for a listing of the symposia participants and their presentation titles.

"Old Town State Historic Park"
San Diego Convention & Visitors Bureau

The Third Drug Discovery and Development Symposium is being held together and in tandem with the annual meeting. Symposium dates are July 22-24, 1993. Those registered at the ASP meeting will be admitted to the Drug Discovery meetings with their badges.

Unfortunately the brochure which was sent out in regard to the Third Drug Discovery and Development Symposium caused some confusion to ASP members. In order to clarify this situation, please note that there will be no change in the ASP schedule for Thursday. (See meeting brochure for details.) The Third Drug Discovery and Development Symposium will be sharing the spon-

Continued on Page 2, Column 2

1993 AWARD WINNERS

To stimulate interest in all phases of natural products research, the American Society of Pharmacognosy Foundation is pleased to announce the winners of this year's awards and grants:

STUDENT AWARDS
1. ASP Student Research Award.
The ASP Student Research Award is designed to recognize outstanding research in the general area of natural products. The competition is open to all graduate and undergraduate students working for a member of the ASP. Students submit a research paper describing his/her own work in the area of natural products. The applications are reviewed by the ASP Awards and Funds Committee in a blinded competition. The award consists of a $500 cash gift and all expenses paid to present the paper at the annual meeting of the ASP. This year's winner is:

Carl E. Heltzel of Virginia Polytechnic Institute and State University. His paper is entitled "Bioactive Furanonaphthoquinones from Crescentia cujete" and his advisor is David G. I. Kingston. He will be presenting his research in San Diego.

2. Undergraduate Research Awards.
The ASP Undergraduate Research Awards consist of a stipend of $2,000 to the student and $500 to the advisor to help defray the costs of the research. There are no limitations on the type of research to be conducted other than that it should be in the area of natural products. This year's winners are:

Kai-lun Huen from Kowloon, Hong Kong. His research project is entitled "Chemical Standardization of Gastrodia elata by HPLC" and his advisor is Chun-tao Che.

Meiling Shang from San Jose State University. Her research project is entitled "Halogenation of Natural Products by Algal Bromoperoxidases" and her advisor is Roy K. Okuda. Continued on P. 3, C. 1
SYMPOSIUM SPEAKERS

Georg Albers-Schönberg, Merck, Sharp and Dohme
Using and Protecting Biodiversity

John H. Cardellina, II, National Cancer Institute
Intramural Natural Products Drug Discovery Program at NCI

Brad K. Carte', SmithKline Beecham Pharmaceuticals
Mechanism-Based Screening of Marine Natural Products

Jon C. Clardy, Cornell University
New Anti-Cancer Drugs from Cultured and Collected Marine Organisms

Paul A. Cox, Brigham Young University
Ethnobotany and the Discovery of New Anti-HIV Compounds

Edgardo Gomez, University of the Philippines
Biodiversity in the Marine Tropics: Potentials and Concerns

Sidney M. Hecht, University of Virginia
Mechanism-Based Discovery of Novel Anti-Tumor Agents

Susan B. Horwitz, Albert Einstein College of Medicine
Taxol: Mechanisms of Action and Resistance

A. Douglas Kinghorn, University of Illinois at Chicago
Novel Strategies for Plant-Derived Anti-Cancer Drugs

Thomas E. Lovejoy, Smithsonian Institute
Conservation of Biodiversity: Essential or Excessive?

George R. Pettit, Arizona State University
Recent Advances in the Discovery of Naturally Occurring Anti-Cancer Substances

Matthew Suffness, National Cancer Institute
Introduction to National Cooperative Drug Discovery Group (NCDDG) and International Cooperative Biodiversity Group (ICBG) Programs

Michael S. Tempesta, Shaman Pharmaceuticals
Anti-Viral Drug Discovery and Development from Medicinal Plants-A Case Study of SP-303

Frederick A. Valeriote, Wayne State University
Discovery of New Anti-Cancer Agents from Natural Products

Paul A. Wender, Stanford University
Chemical and Biological Studies on Cancer Chemotherapeutic Leads: Taxol, Phorbol, and DNA Cleaving Agents

C.E. Credits

Attendance and participation in the symposia and podium sessions will qualify for continuing education credits through the American Council on Pharmaceutical Education. Meeting registrants who are interested are invited to register for this program at the C.E. Registration desk on July 18. A nominal $25.00 processing fee will be required. This CE is sponsored by the College of Pharmacy, Ferris State University, an accredited ACPE provider. (Program No. 679-028-93-003).

“Seaport Village Dining”
San Diego Convention & Visitors Bureau

Sponsorship of both the morning NCI Intramural Drug Discovery Symposium and the afternoon National Cooperative Drug Discovery Symposium on Thursday. The Third Drug Discovery and Development Symposium will continue through Saturday, July 24, 1993.

For more information on the Third Drug Discovery and Development Symposium, contact Frederick A. Valeriote, Ph.D., Phone: (313)745-8252, Fax: (313)993-0559.

AIRPORT LIMOSINE SERVICE AVAILABLE FOR ARRIVAL AND DEPARTURE IN SAN DIEGO

If you are flying into San Diego and wish airport ground transportation to the Princess Resort, we advise you to call SuperShuttle. After you have claimed your baggage, call SuperShuttle from the airport information board - #66. OR, for immediate service ask the local traffic enforcement officer for “SuperShuttle” or call direct at 278-8877. Be sure to tell SuperShuttle which airline you have used and ask how to find the shuttle. The current rate for the trip between the Princess Resort and the San Diego Airport is $6.00 per person each way. SuperShuttle will also provide non-stop van service for up to seven passengers at a rate of $30.00. These rates do not include gratuity.

If you plan on using the shuttle to return to the airport at the end of the conference, you should make reservations in advance.

continued from Page 1, Col. 1.
A NOTE TO POSTER PRESENTERS
FOR THE 34th ANNUAL ASP MEETING

If you are exhibiting a poster paper at the 34th Annual ASP Meeting in San Diego, please note that the size of the boards which are available for poster presentation is four feet high by eight feet wide. Please keep this in mind as you prepare your poster.

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3. Lloyd Library and Museum Travel Grants.
   This grant program was established in cooperation with the Lloyd Library and Museum. In keeping with the Lloyd Library’s interest in promoting student activities, two $500 travel awards to attend the national ASP meeting are awarded. These awards are made based on excellence in both scholastic and research activities in the field of natural products. This year's winners are:
   Toshio Ichiba from the University of Hawaii at Manoa
   Barry O'Keefe from the University of Illinois at Chicago

4. Travel Grants for Graduate Students.
   Graduate students under the supervision of a Society member are eligible for a travel grant of $300 to $500 to enable them to attend a Society meeting and present a paper. Application is made by submission of a short (2-3 pages) synopsis of the work to be presented and a letter of justification from the advisor. All awards are contingent on the acceptance of the paper for presentation by the Scientific Program Committee. This year’s winners are:
   Magid S. Abdel-Kader from Colorado State University
   Erguang Li from The University of Mississippi
   Agnes Rimando from the University of Illinois at Chicago

YOUNG INVESTIGATOR AWARDS

1. Research Starter Grants.
   ASP small research grants from $2000 to $5000 are available for active members in the first five years of their career. These are one-time awards and are not subject to indirect costs. This year's winners are:
   Anthony D. Wright from Zurich, Switzerland. His research project is entitled "Isolation, Structure Elucidation and Evaluation of the Antimalarial Activity of Sponge Secondary Metabolites, with Special Emphasis on Compounds Containing Nitrile, Isonitrile, Thiocyanate or Thioisocyanate Functions".
   Rhonda Dillman from Eastern Montana College. Her research project is entitled "Isolation, Characterization and Syntheses of Polybrominated Dibenzo-P-dioxins from the Sponge Tedania ignis".

2. Travel Grants for Active Members.
   Travel grants are available to enable active members who are in the first five years of their career to travel to an American Society of Pharmacognosy meeting and present the results of their research. These awards of $300 to $500 are made on a competitive basis. This year's winners are:
   Matthew W. Bernart from the National Cancer Institute
   Maureen S. Bonness from the University of Texas at Austin

REPORT OF THE TELLERS COMMITTEE

The Tellers Committee, appointed by President Lester A. Mitscher, now wishes to report the following results of the 1992 election:

Vice President (1993-1994)
Alice M. Clark

Executive Committee Member (1993-1996)
Ching-ger Chang

Amendments to the Constitution and By-Laws

Package A involves only a By-Laws change and addresses the rather vague charge of the Publicity Committee that is stated in Section 2, Subsection J (Duties of the Publicity Committee). The following proposed amendment would be a much more accurate description of the current duties and activities of the Publicity Committee.

By-Laws: Section 2, Subsection J

Current Wording: "The Publicity Committee shall publicize the existence and activities of the Society and the significant achievements of its members. Such publicity shall include, but not be limited to, announcements and advertisements in scientific journals, as well as releases to the lay press. Additionally, the Publicity Committee shall assist the Local Program Committee in publicizing the Annual Meeting, where such assistance is requested."

Proposed Wording: (To replace the underlined section above). Specifically, the Committee shall publicize the various research and travel awards for students and members of the Society, and the ASP research award: further publicity for the annual meeting (in concert with the Local Program Committee), and for the various types of membership in the Society shall be incumbent upon the Committee.

Package A--Passed

Package B involves only a Constitution change and addresses the rather flexible statement concerning honorary membership that appears in Article III, Section 2. The following proposed amendment would state that no more than 2% of the Society membership can be honorary members which would give the Honorary Membership Committee some needed guidelines.

Constitution: Article III, Section 2

Current Wording: "Honorary members shall be selected by the Executive Committee on the basis of meritorious service to pharmacognosy and shall be exempt from the payment of dues. Honorary members will be eligible to vote but will not be eligible to hold elective offices."

Proposed Wording: "Honorary members shall constitute no more than 2% of the total membership of the Society." shall be added to the above current wording.

Package B--Passed
JOURNALS, BOOKS AND DATA BASES FOR NATURAL PRODUCTS

Keeping current with the developments in our field is almost a full-time job in itself. Writers, publishers and data collectors are working overtime to make sure you have plenty to read.

Several new journals have emerged recently. *Natural Toxins*, published by Wiley-Liss, is an international research journal designed to provide a forum for original research papers covering naturally occurring toxicants. Volume One contains six issues and is available from D. Paone, Wiley-Liss, 605 Third Avenue, New York, NY 10158-0012. The institutional rate is $195.00 U.S.; $270.00 outside the U.S. The personal rate is $98.00 U.S.; $128.00 outside the U.S. Payment must accompany all orders for journal subscriptions.

Harwood Academic Publishers is offering all members a specially reduced subscription price to *Natural Product Letters*. This journal covers all aspects of research in the chemistry, biochemistry and pharmacology of naturally occurring compounds and their analogues, with communications on work concerning the natural substances of terrestrial and marine sources including plants, micro-organisms and animals. The rate for ASP members is $50.00 U.S. per volume. Subscription orders should be sent to Harwood Academic Publishers, c/o STBS, Order Department, P.O. Box 90, Reading, Berkshire RG1 8JL, United Kingdom.

The *Quarterly Journal of Crude Drug Research* is now being published under the title *International Journal of Pharmacognosy* by Swets & Zeitlinger bv. This journal publishes papers concerning contemporary pharmacognosy. Individual subscriptions should be sent to Swets & Zeitlinger bv., P. O. Box 825, 2160 SZ Lisse, the Netherlands. The subscription price is U.S. $290.

Food Products Press, an imprint of The Haworth Press, Inc. has recently brought out two new journals. The first is *Journal of Sustainable Forestry*, edited by Dr. Lyle C. Craker, encompasses topics from biotechnology, physiology, silviculture, wood science, economics and forest management. Subscription rates are: Individuals—$28, Institutions—$36, Libraries—$48. The second, *Journal of Herbs, Spices and Medicinal Plants*, edited by Dr. Graeme Pierce Berlyn, concerns itself with the botany, chemistry, horticulture and pharmacology of these plants. Subscription rates are: Individuals—$28, Institutions—$32, Libraries—$42. Orders may be sent to The Haworth Press, Inc., 10 Alice Street, Binghamton, New York 13904-1580.


*Biology and Pharmacy*, edited by John M. Pezzuto, Michael E. Johnson and Henri R. Manasse, Jr., has been published by Chapman & Hall, Inc. Orders may be sent to Harwood Academic Publishers, c/o STBS, Order Department, P.O. Box 90, Reading, Berkshire RG1 8JL, United Kingdom.

The DEREP Database lists data that are especially useful to chemists engaged in the isolation of new bioactive natural products from prokaryotes, fungi, higher plants, and marine organisms. We are seeking persons who are willing to participate in the maintenance of this database. Because you may set your own work schedules, this is an ideal undertaking for a retired natural products chemist, or as a joint effort of a university natural products research group.

If this project interests you, for more details please contact:

James C. French
3150 Rumsey Drive
Ann Arbor, MI 48105
(313) 665-7171

EMPLOYMENT SERVICE AVAILABLE

The American Society of Pharmacognosy is offering a placement service to aid our members find employment positions or prospective employers. This service is available only to ASP members and is free to both the applicant and the prospective employer. Once an application is submitted, it will remain on file for one (1) year, at which time it will be destroyed. The applicant should also realize that the application will be submitted to the prospective employer exactly as submitted. (The submitted form will be xeroxed, then sent to the prospective employer.)

Further information can be obtained by contacting: Robert E. Krueger, Ph.D., College of Pharmacy, Ferris State University, 101 S. State St., Big Rapids, MI 49307 USA. Phone: (616) 592-2236.
FUTURE MEETINGS

Future ASP Meetings
1993 - July 18-22, San Diego, California.
1995 - Univ. of Mississippi.
1996 - Santa Cruz, California.

1993 AACP Meeting
July 11-14, AACP 94th Annual Meeting, San Diego, California

1993 AAPS Meeting

Other Meetings of Interest--1993
August 1-4, AFPC 50th Anniversary Conference, Vancouver, B.C. Contact: Biotechnology Conference Planning Secretariat, Faculty of Pharmaceutical Sciences, University of British Columbia, 2146 East Mall, Vancouver, B.C., Canada V6T 1Z3 (604) 822-4709. FAX (604) 822-3035.
September 2-4, 12th International Essential Oils Workshop, Digne les Bains, France. Contact: Association for the promotion of perfumery, aromatic and medicinal plants, 66, Boulevard Gassendi, BP 117, 04004-Digne les Bains Cedex, France.
September 13-17, Symposium on Natural Phenols in Plant Resistance, Freising-Weihenstephan, Germany. Contact: Dr. M. Geibel or Dr. d. Treutler, Institut für Obstbau, Technische Universität München, D-8050 Freising-Weihenstephan, Germany, Telephone (+49) 8161/713753; FAX (+49) 8161/714499.
September 22-26, 5th NAPRECA Symposium on Natural Products, Antananarivo, Madagascar. Contact: Dr. Philippe Rasoanaivo, Chairman NAPRECA-Md, Institute Malgache de Recherches Appliques, BP 3833, 101 Antananarivo, Madagascar. FAX 261 2 35974.
September 27-October 1, 4th International Symposium on Poisonous Plants, Fremanville, Western Australia. Contact: Dr. Peter R. Dorling, School of Veterinary Studies, Murdoch University, Murdoch, Western Australia 6150. Tel.: 09-360-2489 FAX 09-310-4144.
September 29-October 1, International Symposium on the Phytochemistry of Plants used in Traditional Medicine, Lausanne, Switzerland. Contact: Professor K. Hostettmann, President, Phytochemical Society of Europe, Institut de Pharmacognosie et Phytochimie, Universite de Lausanne, BEP, CH-1015 Lausanne-Dorigny, Switzerland. FAX 0210 692 28 80.

1994
June/July, Third Congress of the International Society for Ethnopharmacology, Beijing, China. Contact: Professor XIAO Pei-Gen, Director of IMPLAD, Haidian District, Dong Beiwant, Beijing 100094, China. FAX 0086 (1) 2581330.

NEW MEMBERS

We are pleased to welcome the following new members.

ACTIVE MEMBERS
Raymond J. Anderson
University of British Columbia
Roy S. Chaleff
American Cyanamid
Princeton, New Jersey
Craig D. Dodson
University of Nebraska at Kearney
Roberto R. Gil
College of Pharmacy, UIC
Chicago, Illinois
C. I. Jolly
Bombay University
Shigeki Matsunaga
Laboratory of Marine Biochemistry
Tokyo, Japan
Wooan-Ru Melissa Shieh
The University of Rhode Island
Robert W. Myllymaki
Bristol-Myers Squibb Company
Wallingford, Connecticut
Mukund P. Sibi
North Dakota State University
K. H. Tinotius
Satya Wacana Christian University
Salatiga, Indonesia
Tomas Vanecek
Institute of Organic Chemistry and Biochemistry
Czechoslovakia
Molly A. Weber
Eastman Chemical Company
Batesville, Arkansas
R. Wijnms
The Netherlands
Zbigniew J. Witeczak
The University of Connecticut
Herman J. Woerdendag
University Centre for Pharmacy
The Netherlands

ASSOCIATE MEMBERS
Mark Böhlke
University of Illinois at Chicago
Toshiyuki Hamada
Laboratory of Marine Biochemistry
Tokyo, Japan
Edward J. Kenmelly
St. Louis, Missouri
Zakaria H. Mbwambo
Chicago Illinois
Leiland W. Miles
Cartagena, Columbia
Youichi Nakao
Laboratory of Marine Biochemistry
Tokyo, Japan
Onosmar Poobrasert
PRCP
Chicago, Illinois
Noriko Sato
Laboratory of Marine Biochemistry
Tokyo, Japan
Kyung-Jae Yoo
Philadelphia College of Pharmacy and Science
Philadelphia, Pennsylvania
MEMBERSHIP

Membership in the American Society of Pharmacognosy is recognized in several categories:

**Full Membership**

Full membership is open to any scientist interested in the study of natural products. Dues are $75.00 per year. If overseas airmail is requested, the dues are $150.00. These members receive the *Journal of Natural Products* and the *ASP Newsletter*.

**Associate Membership**

Associate membership is open to students of pharmacognosy and allied fields. These members are not accorded voting privileges, and dues are $50.00 per year. These members receive the *ASP Newsletter*.

**Emeritus Membership**

Emeritus membership is open to retired members of the Society who maintained membership in the Society for at least five years. Dues are $5.00 per year. These members receive the *ASP Newsletter*.

**Honorary Membership**

Honorary members are selected by the Executive Committee of the American Society of Pharmacognosy on the basis of meritorious service to pharmacognosy.

Present Honorary Members are:

- Dr. Jack L. Beal, Columbus, Ohio
- Dr. Arnold Brosii, National Institute of Health, MD
- Dr. David P. Carew, University of Iowa
- Dr. Norman R. Farnsworth, University of Illinois
- Dr. R. Hegnauer, Leiden, Netherlands
- Dr. Albert Hofmann, Switzerland
- Dr. Richard E. Schultes, Harvard Botanical Museum
- Dr. Arthur E. Schwarting, Florida
- Dr. Gordon H. Svoboda, Indianapolis, Indiana
- Dr. Varro E. Tyler, Purdue University
- Dr. Hildebert Wagner, University of Munich
- Dr. Monroe E. Wall, Research Triangle Institute, NC
- Dr. Heber W. Youngken, Jr., University of Rhode Island

Additional information about memberships may be obtained by writing to the Treasurer of the Society:

David J. Slatkin, Ph.D., Treasurer
The Am. Society of Pharmacognosy
Chicago College of Pharmacy
555 31st Street
Downers Grove, IL 60515

ASP Newsletter

Joy B. Reighard, Ph.D., Editor
Barbara H. Grissani, Editorial Assistant

Deadlines for submission of information are as follows:
- Spring Issue - March 1st
- Summer Issue - June 1st
- Fall Issue - September 1st
- Winter Issue - December 1st

Send information to:
Joy B. Reighard, Ph.D., Editor
ASP Newsletter
Temple University School of Pharmacy
3307 N. Broad St.
Philadelphia, PA 19140
Phone: (215)221-4946
FAX: (215)221-3678