



THE AMERICAN SOCIETY OF PHARMACOGNOSY

ASP ANNUAL MEETING TO BE HELD IN SEATTLE THIS JULY



Seattle's landmark 605-foot Space Needle dominates downtown skyline in this view looking south. 14,411-foot Mt. Rainier appears on the horizon. Photo credit: Seattle-King County Convention and Visitors Bureau.

The ASP Annual meeting for the year 2000 will be held at Cavanaugh's on Fifth Avenue in Seattle, Washington from Saturday, July 22nd through Wednesday, July 26th. The topic of this year's meeting will be "Exploring and Engineering Natural Product Diversity." The

Scientific Program Committee is planning five symposia, including the Matt Suffness Symposium, Lynn Brady Memorial Symposium, Combinatorial Biology, Marine Microbials, and Biosynthesis/Higher Plants. See page 5 for more details and information on social events.

CALLS FOR APPLICATIONS FOR...

Research Achievement Award

The American Society of Pharmacognosy selects a recipient for the ASP Research Award annually. Candidates must be members of the Society who have made outstanding contributions to research on natural products. The award consists of an honorarium of \$2,500 and travel expenses to present the award lecture at an annual meeting of the Society.

Previous winners of the ASP Research Award are:

- 1985 - Koji Nakanishi
- 1988 - Heinz G. Floss
- 1989 - Kenneth L. Rinehart
- 1990 - Monroe E. Wall
- 1991 - S. William Pelletier
- 1992 - Henry Rapoport
- 1993 - A. Ian Scott
- 1994 - Paul J. Scheuer
- 1995 - George Robert Pettit
- 1996 - Meinhart H. Zenk
- 1997 - John W. Daly
- 1998 - Sidney Hecht
- 1999 - David G. I. Kingston

Nominations for the 2001 award are due by April 1, 2000 to the Chairman of the Research Achievement Award Committee and should consist of a nominating letter, a curriculum vitae of the candidate, and letters from three individuals who are familiar with the candi-

date's scientific accomplishments. Nomination documents should be submitted **in triplicate** to: Jon Clardy, Department of Chemistry and Chemical Biology, Cornell University, Ithaca, NY 14853-1301, FAX (607) 255-7583, EMAIL jcc12@cornell.edu

Awards and Grants for Students

To stimulate interest in all phases of natural products research, the American Society of Pharmacognosy is offering the following awards and grants:

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 should submit a research paper describing his/her own work in the area of natural products. The applications will be reviewed by the ASP Awards and Funds Committee in a blind competition. The research paper should conform in general to the format of the *Journal of Natural Products*, except that there should be no identification

of the student, faculty, or school from which the paper originated. The name and address of the contestant and his/her paper title should be provided in a separate letter accompanying the paper. Please include a self-

addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and name of the applicant. This postcard will serve as notification of receipt of the application.

The award will consist of a \$500 cash gift and all expenses paid to present the paper at the annual meeting of the ASP (restricted to meetings held in the continental U.S.). The deadline for submission of the research paper is **March 1, 2000.**

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. Persons interested in submitting an application for consideration should send the following before **March 1, 2000.**

AWARDS AND GRANTS

- a. An outline of the research to be conducted, written by the student submitting the application. This should include a statement of the problem and the goal(s) of the research, and a brief discussion of the methodology. This outline, with pertinent references, should not be longer than four double-spaced, typed pages.
- b. A transcript of all college work attempted.
- c. A curriculum vitae.
- d. A letter of agreement by the faculty advisor (a member of the American Society of Pharmacognosy) for the project, indicating a willingness to supervise the project, and provide the facilities and equipment for the conduct of the project. The letter should also include a statement about the student's academic performance and suitability to perform the work proposed.
- e. A self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and name of the applicant. This postcard will serve as notification of receipt of the application.

Although not an absolute condition of the awards, students

selected are highly encouraged to submit results of their research for presentation at an annual meeting of the ASP.

3. Travel Grants for Graduate Students.

Graduate students under the supervision of a Society member are also eligible for a travel grant of a minimum of \$300 to \$500 to enable them to attend a Society meeting and present a paper. Application can be made by submission of a short (1-3 pages) synopsis of the work to be presented, a curriculum vitae and a letter of justification/recommendation from the advisor. All awards are contingent on the acceptance of the paper for presentation by the Scientific Program Committee. Applications are due **March 1, 2000.**

Awards and Grants for Active Members

1. Research Starter Grants.

ASP small research grants from \$2000 to \$5000 are available for active members in the first eight years after earning their Ph.D. and in the first five years of their first independent career position. These are one-time awards and are not subject to indirect costs. Application can be made by submission of a research proposal of no more than four double-spaced, typed pages.

A budget should accompany the proposal and the investigator should also provide a statement of his/her current funding. A curriculum vitae of the investigator must be included with the proposal and budget. The deadline for submission of application for these grants is **March 1, 2000.** Please include a self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and the name of the applicant. This postcard will serve as notification of receipt of the application.

2. Travel Grants for Active Members.

Travel grants are available to enable active members who are in the first five years after earning their Ph.D. to travel to an American Society of Pharmacognosy meeting and present the results of their research. These awards of a minimum of \$300 to \$500 are made on a competitive basis. Application can be made by submission of a short (2-3 pages) synopsis of the work to be presented, a *curriculum vitae*, and a letter of justification for the request. All awards are contingent on the acceptance of the paper for presentation by the Scientific Program Committee. The

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deadline for submission of applications is **March 1, 2000**. Please include a self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and name of the applicant. This postcard will serve as notification of receipt of the application.

KILMER PRIZE

Beginning with the 1994-1995 awards cycle, selection and presentation responsibility of this prize was transferred from the APhA Academy of Pharmaceutical Research and Science Awards Committee to the American Society of Pharmacognosy Awards Committee.

Criteria: Both undergraduate and graduate students in schools or colleges of pharmacy are eligible for this award. The student does not have to be a member of the American Pharmaceutical Association or the APhA Academy of Students of Pharmacy or the American Society of Pharmacognosy to qualify. Student applicants should submit a full research paper (introduction, experimental, results, discussion and references, with figures and tables as appropriate) and a letter certifying status from the university registrar or graduate dean. The deadline for submission of applications is **March 1, 2000**.

Nature of Award: The

Kilmer Prize consists of a gold key, suitably inscribed, bearing the likeness of Dr. Kilmer. The APhA makes available a complimentary registration and up to \$300 to enable the winner to attend the meeting at which the award will be given. The American Society of Pharmacognosy also provides an honorarium of \$300 for the named recipient.

Applications for the student and member grants and awards can be sent to:

William Gerwick
College of Pharmacy
Oregon State University
Corvallis, Oregon 97331

Phone: 541-737-5801

FAX: 541-737-3999

NOMINATIONS FOR HONORARY MEMBERSHIP

Nominations for Honorary Membership in the American Society of Pharmacognosy are now being accepted by the Honorary Membership Committee. If you would like to nominate a member for this distinguished honor, please forward your nomination and supporting biographical data as well as two letters of recommendation from experts in the field to: Dr. Kenneth L. Rinehart, 454 Roger Adams Laboratory, 600 S Mathews Avenue, University of Illinois, Urbana IL 61801, phone: 217-333-0627, FAX: 217-244-3571 e-mail: krinehar@uiuc.edu

COME TO SEATTLE

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Website: All of the information necessary to register for this meeting will be available in mid-January on the official ASP2000 website. As in past years, there will be a direct link from the ASP home page (www.phcog.org). This year we plan to offer online registration and abstract submittal.

Housing:

Cavanaugh's: \$156 (single or double), \$10 (add. person)

Hilton Hotel:

\$140 (single), \$160 (double), \$15 (additional person)

U. of Washington

(dorm): \$48.50 (single), \$35.00 (per person double)

Cavanaugh's On Fifth Avenue is located in the heart of downtown Seattle. We have blocked 150 rooms at Cavanaugh's and one hundred rooms at the Hilton (which is located two short blocks from Cavanaugh's and can be reached via an underground shopping mall). The University of Washington is several miles from Cavanaugh's, but convenient and frequent Metro bus service is available.

The dormitory room price includes a mandatory minimum board of \$10.00 per day on a meal card. This meal card may be used for breakfast or other meals and snacks. We have 50 dormitory rooms reserved. There is also a Youth Hostel located a few blocks from Cavanaugh's. This hostel is quite nice and has a great view of Puget Sound; room rates are about \$20. There are many other downtown hotels available,

but finding affordable housing in Seattle in July is not easy. Even traditionally less expensive hotel chains will have room rates that are considerably higher than you might expect. Hotel rates may be cheaper further from Seattle, but car rentals and parking will negate any cost savings due to room rates. Also, Seattle traffic is not pretty. Therefore, we encourage members to consider staying



Seattle's original city center is Pioneer Square, currently a historic district housing galleries, restaurants and retail shops. Photo credit: William Stickney/Seattle-King County Convention and Visitors Bureau.

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Visit the ASP website at <http://www.phcog.org/>

PRESIDENT'S MESSAGE

Jim Gloer

It is an honor to have the opportunity to greet you as president of the ASP. Ever since my first ASP meeting, I have always looked forward to the next. I am constantly impressed by the outstanding collegiality among the members of this Society, and have very much enjoyed participating in ASP meetings and working with ASP colleagues on committees over the years. Thus, it is truly a special privilege for me to "preside" over a Society for which I have so much fondness and respect.

I would like to begin by expressing my appreciation to the many members who have served or continue to serve on committees on the Society's behalf. The Society could not function without these contributions, and the health of our Society today is due largely to the efforts of our committee members over the years. The enthusiastic willingness of our members to contribute in this way is very gratifying. I especially appreciate the tremendous effort put forth by those of you who have helped to host the Society's meetings, or are working on plans to host

them in upcoming years. Despite great variation in venues, our meetings are consistently very enjoyable and stimulating events because of your efforts. I would also like to convey special thanks to my predecessor, Gordon Cragg, who was an active and enthusiastic president, and a first-class ambassador for our Society.

This is an exciting time for the ASP in many ways. Our membership currently tops 1100, and the Society continues to add new members. *The Journal of Natural Products* has a growing reputation as a leading vehicle for the publication of natural products research. The ASP foundation is effectively increasing its endowment, thereby increasing the funds available for awards made by the Society, such as travel grants that help to enable students and other members to attend meetings. Industrial partners continue to contribute to our Society by regularly sending scientists to our annual meetings, by increasing efforts to publish in the *Journal*, and by responding positively to requests for conference sup-

port. The growing popularity of herbal products is bringing new recognition to the Society, and we are well positioned to be involved in furthering the scientific exploration of this important field. This is especially gratifying because of the relationship of herbal medicines to the origins of the Society. The interim ASP meeting held in Spring of 1999 on the Science of Botanical Supplements was very successful, and has stimulated efforts to explore the possibility of sponsoring or co-sponsoring further meetings covering relevant topics.

The importance and centrality of natural products in cutting-edge research across the range of scientific disciplines continues to be widely recognized. Among the most recent national surveys to acknowledge this is the National Science Board's 1999 Report from the Task Force on the Environment. The report notes that "Studies of genetic diversity and the rich array of chemicals and structures found in plants, animals, and microbes contribute directly to many facets of the

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biotechnology industry and biomedical research." Thus, its recommendations include increased support for "discovery of unknown species, understanding their relationships to known organisms, and evaluation of their genetic and other potential for ecosystem functioning and services to humans". Integration of natural products chemistry with new capabilities in molecular biology, gene expression, robotics, and other technologies continues to change the landscape of our field, but there is no question that natural products research continues to serve as an important source of useful new compounds and leads thereto.

I invite everyone to participate in our annual meetings, which reflect the collegial and international character of our Society. Our next annual conference will be held from July 22-26, 2000, in Seattle, Washington, and it promises to be an exciting scientific and cultural event. The meeting has a timely theme ("Exploring and Engineering Natural Product Diversity"), and will include a special symposium honoring Lynn Brady. In July of 2001, our colleagues from Mexico will host the 42nd Annual Meeting of the ASP in Oaxaca, a beautiful center of pre-Columbian and colonial history and culture located about a 30-minute flight from Mexico

City. We hope that the 2001 meeting will foster many new contacts between colleagues from North and South America. I encourage you to submit abstracts to present some of your research at these meetings, and also to submit manuscripts to the Journal. Details of upcoming meetings and other aspects of the Society are available on the ASP Website: www.phcog.org. If you have any questions, comments, or suggestions, please feel free to e-mail me at james-gloer@uiowa.edu. I may also be reached by phone at (319) 335-1361 or fax at (319) 335-1270. I look forward to sharing in the activities of the Society with you. With very best wishes, Jim

Seattle: Continued from page 5

at the above mentioned facilities where we have negotiated lower rates.

Social Events: The meeting will begin with a buffet reception on Saturday night. The first poster session has been scheduled for Sunday afternoon with wine and cheese and the second one will be held on Monday over a lunch buffet. On Monday evening, a boat trip to Tillicum Village on Blake Island State Park has been planned. The trip will include time to explore the trails and beaches of the island and a traditional

Northwest Indian style salmon dinner. The final banquet will be held on Wednesday evening at Cavanaugh's.

Optional Activities: Several half-day tours will be offered for the free afternoon (Tuesday). The organization (including registration and payment) for these tours will be handled through an outside vendor. We plan to offer online registration through our website for these activities. A partners program will also be offered through this vendor.

Travel: Seattle is easily acces-

sible by all major airlines and several discount airlines. Southwest Airlines serves Seattle directly via many Pacific and Mountain states and connects to many other states across the country. Other smaller airlines to consider include Alaska Airlines, RenoAir, and America West. The Airport Express shuttle runs hourly from the airport to all major downtown hotels. The adult round trip fare is \$13.00 (one-way \$7.50). The trip from the airport to downtown takes around 20 minutes. No reservations are required. There is little need

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MEETINGS

Future ASP Meetings

- 2000 - July 22-26, Seattle, Washington
- 2001 - Oaxaca, Mexico
- 2002 - New Brunswick, NJ, joint with Monroe Wall Symposium

Future AAPS Meetings - 2000

October 29 - November 2 - Annual Meeting and Exposition, Indiana Convention Center, Indianapolis, Indiana

Future AACP Meetings - 2000

July 7-12 - Sheraton Harbor Island, San Diego, California

Other Meetings of Interest—2000

April 11-13 - Braveno-Stresa, Lake Maggiore, Italy, 19th Pharmaceutical Technology Conference and Exhibition. For details contact: M.H. Rubenstein, 24 Menlove Gardens North, Liverpool L 18 2EJ, United Kingdom. Phone: National 0151 737 1993, International +44 151 737 1993. Fax: National 0151 737 1070, International +44 151 737 1070. E-mail: ECECLIVPL@AOL.COM Website: www.ecec.co.uk

May 7-10, Rolduc, Kerkrade, The Netherlands. 3rd Future Trends in Phytochemistry - a Young Scientists Symposium Organized by the Phytochemical Society of Europe. More information and registration forms can be obtained from: <http://www.fortunecity.com/meltingpot/rundberg/547/rolduc/homepage.html> or by contacting Prof. R. Verpoorte at: Fcogsymp@LACDR.LeidenUniv.NL

June 27-29 - Ankara, Turkey - International Symposium on Pharmaceutical Sciences. For information contact: Prof. Dr. Nilüfer TARIMCI, Ankara University, Davuliyu of Pharmacy, 06100 Tandogan, Ankara-Turkey,

Fax: +90 312 2131081 E-mail: ankpharm@pharmacy.ankara.edu.tr
URL: <http://www.pharmacy.ankara.edu.tr>

August 6-10, Beltsville Maryland. Phytochemical Society of North America. Symposium on Applications of Molecular Biology to Phytochemistry. Contact: James A. Saunders, USDA-ARS, Bldg. 50, Rm. 100, Beltsville, MD 20705; Phone: 301-504-7477; E-mail: saund10449@aol.com

October 11-13, Munich, Germany. The 3rd International Congress on Phytomedicine. Contact: Prof. Dr. H. Wagner, Institut fuer Pharmazie - Zentrum fuer Pharmaforschung, Pharmazeutische Biologie, Butenandtstr. 5 - 13, 81377 Muenchen, Germany, FAX: +49-89-2180-7051, E-Mail: H.Wagner@cup.uni-muenchen.de

EMPLOYMENT SERVICE

The American Society of Pharmacognosy offers a placement service to aid our members in seeking positions or employees. 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 realize that this is not a resume service and that the application will be submitted to the prospective employer exactly as submitted (i.e. the submitted form will be photocopied, then sent to the prospective employer). All information submitted will be held in strict confidence.

Forms and further information may be obtained from:

Joseph M. Betz, Ph.D.
American Herbal Products Association
8484 Georgia Avenue, Suite 370
Silver Spring, MD 20910 USA
Fax: (301) 588-1174
Phone: (301) 588-1171 ext. 103
email: jbetz@ahpa.org

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to rent a vehicle while in Seattle. Many major attractions and restaurants are located within walking distance, and Metro bus service is free within the downtown area. In addition, parking is very expensive in downtown Seattle. There are car rental agencies located downtown if you are interested in renting a car for a day.

Organizing Committee: The Organizing/Scientific Program Committee is comprised of the following individuals:

Raymond Andersen, University of British Columbia

Heinz G. Floss, University of Washington

William H. Gerwick, Oregon State University

Jodi Laakso, NCE, Inc.

Ulla Mocek, NCE, Inc.

Bradley S. Moore, University of Arizona



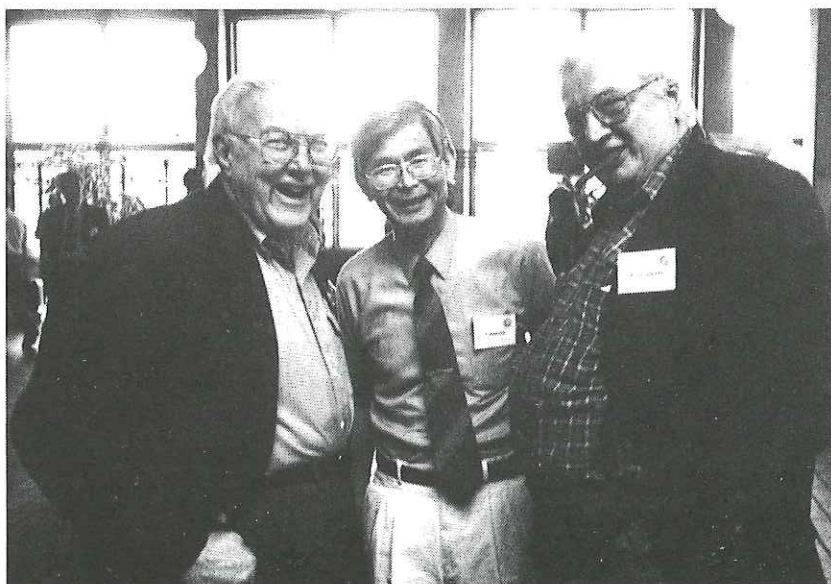
David G.I. Kingston and his wife following David's receipt of the Research Achievement Award



John Cassady (l) enjoys some good times with Tip Tyler

SCENES FROM AMSTERDAM
July 1999
Photos Courtesy of George Constantine

I to r - Varro E. Tyler, Albert Leung, and Norman Farnsworth enjoying the festivities in Amsterdam.



Dr. James E. Robbers
174 Sumac Drive
West Lafayette IN 47906



David J. Slatkin, Ph.D., Treasurer
The American Society of Pharmacognosy
P.O. Box 12548
Glendale, Arizona 85318-2548

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 \$25.00 per year. In order to receive the *Journal of Natural Products* the subscription rates are as follows: United States, Canada, and Mexico: \$62 (Print edition), \$50 (Web edition), \$112 (Both Print and Web); All other countries: \$98 (Print edition), \$50 (Web edition), \$148 (Both Print and Web)

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields only. These members are not accorded voting privileges. Dues are \$15.00 per year. In order to receive the *Journal of Natural Products* the subscription rates are as follows: United States, Canada, and Mexico: \$47 (Print edition), \$50 (Web edition), \$97 (Both Print and Web); All other countries: \$83 (Print edition), \$50 (Web edition), \$133 (Both Print and Web).

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*. Emeritus members may subscribe to the *Journal of Natural Products* at the Full Member rates.

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. Arnold Brossi, 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. S. William Pelletier, University of Georgia
- Dr. James E. Robbers, Purdue University
- Dr. Richard E. Schultes, Harvard Botanical Museum
- Dr. E. John Staba, University of Minnesota
- 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 American Society of Pharmacognosy
P.O. Box 12548
Glendale, AZ 85318-2548

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

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