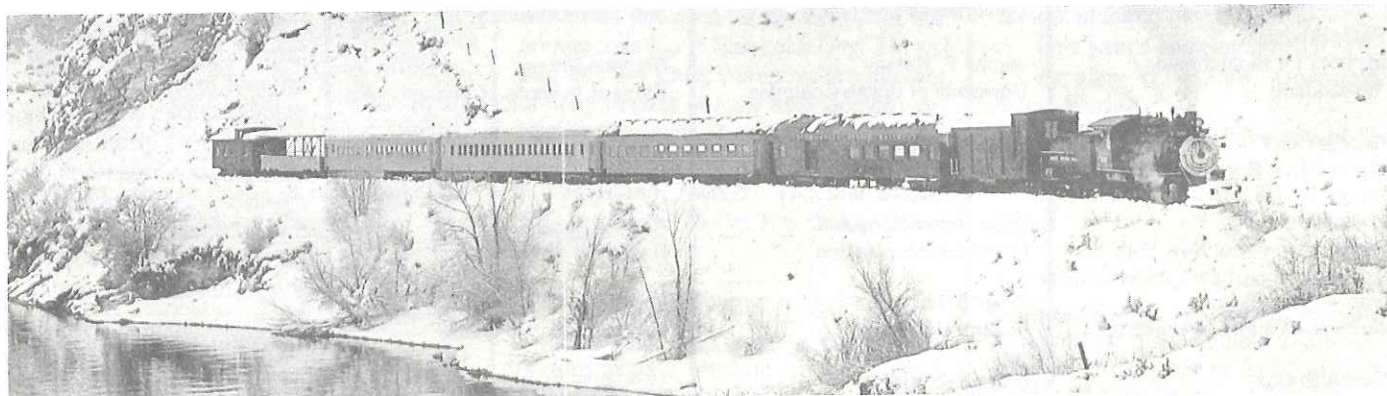




ASP NEWSLETTER

Volume 24, Number 1

Spring, 1988



All aboard the Heber Creeper for a Breath-Taking Tour of the Utah Mountains

INTERNATIONAL CONGRESS ON NATURAL PRODUCTS RESEARCH

The International Congress on Natural Products Research will be held in Park City, Utah, July 17-21, 1988. The congress is hosted this year by the University of Utah Department of Medicinal Chemistry in Salt Lake City, and is jointly sponsored by the American Society of Pharmacognosy and the Japanese Society of Pharmacognosy.

This year's symposium is entitled: "New Directions and Methods in Natural Products Research" and will be comprised of two major topics:

Micro-Algae as a Source of New Biologically-Active Natural Products

Dr. Jun'ichi Kobayashi
Mitsubishi-Kasei Institute of Life Sciences, Tokyo, Japan

"Pharmacologically Active Compounds from Cultured Okinawan Dinoflagellates"

Dr. Richard E. Moore
Department of Chemistry, University of Hawaii, Honolulu, Hawaii
"New Pharmaceuticals from Blue-Green Algae"

Dr. Yuzuru Shimizu
Department of Pharmacognosy, University of Rhode Island
Kingston, Rhode Island
"Toxins from Marine Algae"

New Analytical Methods in Natural Products Research

Dr. Yohei Hashimoto
Kobe Women's College of Pharmacy, Kobe 658, Japan
"New Microchemistry of Plant Components - - Histochemistry and Enflourage Chromatography"

Dr. Peter Jeffs
Smith, Kline and French
Philadelphia, Pennsylvania
"Determination of Three Dimensional Structures of Complex Molecules from 2D NMR and Computer Modeling"

Dr. James A. McCloskey
Department of Medicinal Chemistry, University of Utah, Salt Lake City
"Structural Studies in Complex Mixtures Using Tandem Mass Spectrometry"

Dr. Takuo Okuda
Faculty of Pharmacy, Okayama University, Okayama, Japan
"New Methods of Analyzing Tannins"

The organizers of the congress have received 130 scientific papers for presentation at the meeting. Of these papers, 60 will be presented

Continued on Page 3, Column 1

NEW MEMBERS

The ASP is pleased to welcome the following new members:

New Full Members

Prof. Atta-Ur-Rahman
University of Karachi

William G. Bornmann
University of Vermont

Peter Brodelius
Institute for Biotechnology
Switzerland

George Chan
Smith, Kline, Beckman Corp.

Walter D. Conway
State University of New York

Marilyn Blagg Cox
Northeast Louisiana University

Paul Alan Cox
Brigham Young University

Thomas C. Cunningham
University of South Carolina

Samuel J. Danishefsky
Yale University

William Fenical
Scripps Institution of
Oceanography

Raimundo Braz Filho
Universidade Federal Rural of Rio
de Janeiro

Julian H. Fincher
University of South Carolina

Amine Flah
Damascus, Syria

Joyce Gawron
Beverly, Massachusetts

Gordon Gribble
Dartmouth College

Amiram Goweiss
TAMI Institute, Israel

Catherine A. Hay
University of Toronto

Guillermo Schmeda Hirschmann
Asuncion, Paraguay

P.N. Ifeadike
University of Port Harcourt

Ikhlas Ahmed Khan
University of Mississippi

M.I. Khattak
Gomal University, Pakistan

Raymond Khoury
Kingsgrove, Australia

Junwoong Kim
University of Oklahoma

James P. Kutney
University of British Columbia

Joseph W. LeFevre
State University of New York

Luisa Urania Roman M.
Morelia, Mich., Mexico

Philip D. Magnus
Indiana University

Joseph P. Marino
University of Michigan

Francisca Noelia Pereira
Mendes
Fortaleza-Ceara-Brasil

Francisco Jose Queiroz Monte
Fortaleza-Ce-Brasil

Michael T. Murray
Bellevue, Washington

Tetsuo Nakatsu
Takasago Institute for
Interdisciplinary Science

Takuo Okuda
Okayama University

V.A. Palaniswamy
E.R. Squibb, and Sons

John R. Peterson
Northern Illinois University

M. Koray Sakar
Ankara-Turkey

Robert Salomon
Case Western Reserve
University

Gilvandete Maria P. Santiago
Fortaleza-Ce-Brasil

Stuart L. Schreiber
Yale University

Leslie G. West
Glenview, Illinois

David F. Wiemer
University of Iowa

New Associate Members

Daniel L. Bergman
Eastern Illinois University

Veronica R. Cadorette
Virginia Polytechnic Institute
and State University

Stephen Harnes
Stevens Institute of Technology

Yimin Jia
University of Mississippi

Alex R. Jurgens
University of Mississippi

Gregory H. Owens
Arizona State University

Michael J. Pcolinski
The Ohio State University

Robert A. Sinnott
Arizona State University

John M. Wasyluk
State University of New York

Timothy H. Webster
U.S. Army Research and
Medical Instructor

Ronald C. Wright
Gearhart, Oregon

FROM THE EDITOR'S DESK

Your contributions to the *Newsletter* are extremely necessary to make the publication successful. I would like to thank all of the persons who have contributed to the *Newsletter* over the past year. I welcome any information which would be of interest to our members, including letters to the editor, publications, grant information, position openings, promotions, meeting information, books of interest, and so on. For inclusion in the Summer issue of the *Newsletter*, please have your contributions forwarded to me by August 15, 1988 at the following address:

Joy B. Reighard, Ph.D.
Editor
ASP Newsletter
Temple University
School of Pharmacy
3307 N. Broad Street
Philadelphia, PA 19140
U.S.A.
Phone: (215) 221-4946



Hot Air Balloons are a Common occurrence in Park City, Utah

orally and 70 will be presented by poster format. They also anticipate 300-350 participants. It appears to be an extremely successful meeting.

The local program committee has several forms of entertainment and enjoyment planned for the meeting. As usual, Sunday evening will commence with the social mixer. Monday afternoon has been reserved for a sight-seeing trip on the "Heber Creeper", a railroad which travels through the mountain ranges of Utah via the Bridal Veil Falls. This will be followed by an "Ol' Time Western-Styled Barbeque." And finally, Thursday evening concludes the festivities with the annual banquet with award presentations. All-in-all, this year's meeting promises to be one that you do not want to miss.

CONTINUING EDUCATION CREDIT AT THIS YEAR'S MEETING

A preliminary announcement of the availability of ACPE certified continuing education credit was included in the registration packet mailed to ASP members in late February. As additional information, interested members should be informed that the 12 credits previously announced as available may be increased by attendance at additional hours of podium sessions. The Ad Hoc committee on continuing education is currently cooperating with Mr. William Stilling, Director of C.E. at the college of Pharmacy, University of Utah in developing objectives, etc., in line with ACPE standards, to offer CE credit for each hour of symposium and podium sessions the participant attends. Mr. Stilling has informed the committee that the ACPE will not allow CE credit for attendance at the poster sessions.

Finally, members interested in obtaining CE credit will be required to be registrants at the meeting (as done at past meetings) and an additional nominal fee of \$10.00 will be required to offset the costs of certification. There will be a separate CE table set up at the general registration sites for enrolling in the CE component of the program.

1988 GRANT AND AWARD WINNERS ANNOUNCED

ASP RESEARCH AWARD

The winner of the 1988 American Society of Pharmacognosy Research Award has been announced. This year's winner is Heinz G. Floss from the University of Washington at Seattle. Dr. Floss will receive his award at the annual meeting in Salt Lake City. He will address the participants on the subject of "The Impact of New Methodology on Natural Products Research."

Dr. Floss is the second recipient of the Research Award. The first award was presented to Dr. Koji Nakanishi in July, 1985.

KILMER PRIZE WINNER

Elizabeth R. Trytek, a fourth-year undergraduate student at the Purdue University School of Pharmacy and Pharmacal Sciences, is the 1988 recipient of the Kilmer Prize.

The selection of the award recipient was made by the APhA Academy of Pharmaceutical Research and Science Awards Committee. The award is sponsored jointly by the APhA and the ASP and was awarded at the APhA annual meeting in Atlanta March 12-16, 1988.

Miss Trytek's winning paper is entitled "Insecticidal Alkaloids from Lady Bugs, *Hippodamia convergens*," and will be presented at the ASP's annual meeting in Salt Lake City in July.

Congratulations Elizabeth!

ASP AWARDS AND GRANTS PROGRAM

Research Starter Grants:

Members of the Society who are within the first five years of assuming their first professional position are eligible for a grant of \$2000 to \$5000 to aid in their research. These grants will not provide overhead monies to the grantee institution.

This year's awardees are:

Chris A. Broka, University of Illinois at Urbana-Champaign. Topic: "Tandem Mislow Evans Rearrangements."

Ching-Shih Chen, University of Rhode Island. Topic: "Biosynthesis and Synthesis of Naturally-Occurring Amino Acids."

Travel Grants for Active Members:

Members of the Society who are within the first five years of assuming their first professional position are eligible for a grant of \$300 to \$500 to enable them to present a paper at an annual meeting of the Society.

This year's recipients are:

Jocelyn W. Burke, University of South Florida

Raouf Hussain, University of Illinois at Chicago

Amiram Goweiss, TAMI Institute, Israel

Travel Grants for Graduate Students:

Graduate students under supervision of a Society member are eligible for a grant of \$300 to \$500 to enable them to present a paper at an annual meeting of the Society.

This year's awardees are:

Matthew W. Bernart, Oregon State University

Gamal Dora, University of Connecticut

Gamini Samaranayake, Virginia Polytechnic Institute and State University

Robin J. Marles, University of Illinois at Chicago

Tannis Jurgens, University of Mississippi

Undergraduate Research Awards:

Undergraduate students interested in investigating a career in natural products research are eligible for a research award to study under the direction of a Society Member on the faculty of an American college or university. These awards (\$2000 to the student and \$500 to the advisor) do not provide overhead monies to the grantee institution. The research project is to be accomplished in a summer during the student's academic program leading to the B.S. or Pharm.D. degrees.

This year's recipients are:

Dale G. Nagle, Oregon State University, under the direction of William Gerwick. Topic: "Studies on the Chemistry of Oregon Seaweed."

Hart Brent-Collins, Smith College, under the direction of David Bickar.

Continued on Page 4, Column 1

FUTURE MEETINGS

Future ASP Meetings

1989 - August 6-10 University of Puerto Rico

1990 - July 17-22- Joint meeting with the Gesellschaft Fur Arzneipflanzenforschung, University of Bonn, West Germany.

American Association of Pharmaceutical Scientists Future Meetings

Third Annual Meeting, October 30-November 3, 1988, Orlando, Florida

Fourth Annual Meeting, October 22-27, 1989, Atlanta, Georgia

Phytochemical Society of North America Future Meetings

The 28th Annual Meeting of the PSNA features "an international symposium entitled "Plant Nitrogen Metabolism" at The University of Iowa, Iowa City, Iowa, June 26-30, 1988.

Phytochemical Society of Europe Future Meetings

Chemistry and Chemical Taxonomy of Bryophytes to be held at the University of Saarlandes, Saarbrücken, F.R.G., August/September, 1988. For details contact: Professor H.D. Zinsmeister, Fachrichtung Botanik, University of Saarlandes, D-66, Saarbrücken 15, F.R.G.

AWARDS - continued from Page 3, column 3

Topic: "Impact of Blood-Cleansing Botanical Extracts on Leucocyte Population."

Congratulations to all award recipients. The awards will be presented at the Annual Meeting in Salt Lake City, Utah in July.

Watch future issues of the *ASP Newsletter* and the *Journal of Natural Products* for deadlines for the 1989 Awards and Grants Program.

Secondary Products From Plant Tissue Culture to be held at King's College, London, December, 1988. For further information contact: Dr. B.V. Charlwood, Department of Plant Sciences, King's College, 68 Half Moon Lane, London SE24 9JF, U.K.

Biochemistry and Molecular Biology of Plant-Pathogen Interactions to be held at University of East Anglia, Norwich, U.K. in April, 1989. For details contact: Dr. P.M. Mullineaux, Department of Virus Research, John Innes Institute, Colney Lane, Norwich NR4 7UH, U.K.

American Association of Colleges of Pharmacy Future Meetings

89th Annual Meeting, July 31-August 3, 1988, Chicago, Illinois

90th Annual Meeting, July 9-12, 1989, Portland, Oregon

Other Meetings of Interest

II International Congress of Traditional Medicines, June 26-29, 1988, Lima, Peru. For information contact: Administrative Secretariat, II International Congress of Traditional Medicines, Congresos Master, Division of Master Travel S.A., P.O. Box 3891, Lima 100 - Peru. Tele: (00-1-514) 276943-270190; Telefax:276943.

3rd International Symposium on Progress in Natural Products Chemistry, and Perspectives in Natural Products Chemistry, Nottingham, U.K., July 12-15, 1988. For details contact: Dr. John F. Gibson, Scientific Secretary, Royal Society of Chemistry, Burlington House, London W1V 0BN, U.K.

The Third National Herb Growing and Marketing Conference, July 17-20, 1988, Louisville, Kentucky. For more information contact James E. Simon, Assistant Professor of Horticulture at the University of Kentucky.

The North American Tannin Conference, August 9-11, 1988, Port Angeles, Washington. Jointly sponsored by Oregon State University and the USDA Forest Service. For more information contact the Conference Assistant: (503)754-2004.

International Conference of Group Polyphenols, Brock University, St. Catharines, Ontario, August 15-19, 1988. (Vicinity of Niagra Falls) For information contact: Dr. T. Fuleki, HRIO, Vineland Station, Ontario, Canada, LOR 2E0.

Chemistry and Chemical Taxonomy of Bryophytes, Universitat des Saarlandes, Saarbrücken, FRG, August 31-September 2, 1988. For further details contact Professor H.D. Zinsmeister, Fachrichtung BOTANIK, Universitat des Saarlandes D-6600 Saarbrücken, FRG. Tel: 0681/302-2405.

Workshop of Bioassay-Directed Discovery of Antitumor and Antiviral Agents from Natural Sources, co-sponsored by the National Institutes of Health, the Bioorganic and Natural Product Chemistry Study Section of the National Cancer Institute, and the AIDS Program, National Institute of Allergy and Infectious Diseases, National Library of Medicine, Bethesda, MD, October 18-19, 1988. For telephone registration please call (301)496-7107. Size of the workshop will be limited to 160 participants.

V International Congress of Toxicology, Brighton, England, July 16-21, 1989. For further information contact: Secretariat, IUTOX'89 Congress House, 65 West Drive, Sutton, Surrey SM2 7NB, U.K. Tel: 01-661 0877.

The 3rd International Symposium on Poisonous Plants (formerly called the U.S./Australian Symposium on Poisonous Plants) will be held in Logan, UT, USA, July 23-29, 1989. For more information contact: Dr. Lynn F. James, USDA-ARS Poisonous Plant Research Laboratory, 1150 East 1400 North, Logan Utah 84321 USA. Telephone (801)752-2941.

Sixth European Symposium on Organic Chemistry, September 3-8, 1989, Belgrade, Yugoslavia. For details contact: ESOC 6 Secretariat. Chairman Professor D. Vitorovic, Department of Chemistry, University of Belgrade, P.O. Box 998, 1101 Belgrade, Yugoslavia.

Nature Conservation - The Role of Corridors - Conference/Workshop, Busselton, Western Australia, September 11-15, 1989. For further information contact Miss P. Hussey, Roadside Vegetation Conservation Committee, P.O. Box 104, COMO 6152 Western Australia.

SOCIETY NEWS

ASP DIRECTORY PRINTED AND DISTRIBUTED

The new ASP directory has recently been printed and distributed. The directory contains the names, addresses, and phone numbers of the members in all membership categories in the Society. Each issue of the *ASP Newsletter* will contain additions and corrections to the directory, and should be kept with your directory. Please inform our Treasurer (Dr. David J. Slatkin) of any changes in your address or phone number, or if you have not received your copy of the Directory. His address is:

Dr. David J. Slatkin, Treasurer
The American Society of
Pharmacognosy
Department of Pharmaceutical
Sciences
University of Pittsburgh
School of Pharmacy
512 Salk Hall
Pittsburgh, PA 15261 U.S.A.
Phone: (412) 648-8477

SCHRADIE RETIRES AFTER 21 YEARS OF TEACHING AND RESEARCH

Dr. Joseph Schradie, Associate Professor of Pharmacognosy at the University of Toledo School of Pharmacy retired in the Fall of 1987 after 21 years of service. Joe was always well-liked by his students and was involved to a great extent in our Society in addition to his University duties. Best wishes in your retirement Dr. Schradie.

NCI ANNOUNCES NEW GUIDELINES FOR SUBMISSION OF EXTRACTS FOR ANTICANCER AND ANTI-AIDS SCREENING

NCI recently announced new guidelines for submission of extracts for anticancer and anti-AIDS screening. Of particular interest to ASP members are the following statements:

"Selection of Samples for Testing

Due to the large number of both natural and synthetic samples generated by various NCI projects, only limited capacity exists for testing of samples supplied by external groups. Preference will be given to extracts obtained from organisms which have a history of medicinal use in the treatment of cancer-related or viral diseases (e.g., plants used in traditional medicine). In addition, consideration will be given to samples having some meaningful biological activity (e.g., activity in a cancer cell line of interest to NCI, antiviral activity, appropriate enzyme inhibition."

"Test Capacity

Test capacity is quite limited and it will only be possible to accept highly selected samples. **Do not send samples** until submission is approved by the NCI.

In addition, NCI will not be able to test samples generated during fractionation of active extracts, and it will be necessary for suppliers to follow fractionation using a suitable in-house bioassay. Pure active compounds can be submitted for testing in the full NCI screen."

If you wish to have further information on this topic, please feel free to

contact Gordon M. Cragg, Ph.D., Chemist, Natural Products Branch, Developmental Therapeutics Program, Division of Cancer Treatment, National Institutes of Health, National Cancer Institute, Landow Building/5C09, Bethesda, Maryland 20892.

DR. MILES RECEIVES APPOINTMENT AT THE UNIVERSITY OF CENTRAL FLORIDA

Dr. D. Howard Miles, Professor, Department of Chemistry, Mississippi State University has been appointed Chairman and Professor, Department of Chemistry, The University of Central Florida in Orlando, Florida effective January 16, 1988. Dr. Miles has recently completed consultantships with the World Bank Education Program which is administered by the Indonesia Government in collaboration with the Midwest Universities Consortium for International Affairs (MUCIA) which has its headquarters at The Ohio State University.

SEE YOU IN PARK CITY IN JULY!!

FIRST CLASS MAIL

Dr. E. John Staba
College of Pharmacy
University of Minnesota
Minneapolis, MN 55455

ASP Newsletter
American Society of Pharmacognosy
Joy B. Reighard, Ph.D., Editor
Temple University School of Pharmacy
3307 N. Broad Street
Philadelphia, PA 19140 U.S.A.



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 \$45.00 per year. If overseas airmail is requested, the dues are \$70.00.

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields. These members are not accorded voting privileges, and dues are \$35.00 per year.

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. Norman R. Farnsworth, University of Illinois
- Dr. Jonathan L. Hartwell, Washington
- Dr. R. Hegnauer, Leiden, Netherlands
- Dr. Albert Hofmann, Switzerland
- Dr. Richard E. Schultes, Harvard Botanical Museum
- Dr. Arthur E. Schwarting, Florida
- Dr. Gordon Svoboda, Indianapolis, Indiana
- Dr. Varro E. Tyler, Purdue University
- Dr. Monroe E. Wall, Research Triangle Institute, North Carolina
- Dr. Heber W. Youngken, Jr., University of Rhode Island

Patron, Sustaining, and Benefactor Memberships

These memberships are open to any person or organization wishing to support the aims and objectives of the Society. Dues are as follows:

- Patron Member - \$200.00 per year
- Sustaining Member - \$500.00 per year
- Benefactor Member - \$1,000.00 per year

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
Department of Pharmaceutical Sciences
512 Salk Hall
University of Pittsburgh
Pittsburgh, PA 15261 U.S.A.

BOOKS OF INTEREST

The Dictionary of Alkaloids, Southon, I., and J. Buckingham, Ex. Ed., Chapman and Hall, New York, N.Y. Updated with regular supplements. \$1150.00 (U.S) or \$1600.00 (Canada).

Handbook of Natural Toxins, Volume 3 - Marine Toxins and Venoms, Tu, A., Ed., Marcel Dekker, Inc., New York, N.Y., 608 pp., 1988, \$150.00

The Alkaloids, Brossi, A., Ed., Harcourt Brace Jovanovich, Pub., Vol. 30 (389 pp, \$90.00) and Vol. 31 (372 pp., \$95.00) now available, 1987.

High Performance Liquid Chromatography in Plant Sciences, Linskens, H. and J. Jackson, Ed., 248 pp, Springer-Verlag, \$79.00.