



ASP NEWSLETTER

Volume 26, Number 2

Summer, 1990

31st ANNUAL ASP MEETING IS A JOINT SYMPOSIUM TO BE HELD IN BONN, FRG JULY, 17-22, 1990

The 1990 annual meeting of the American Society of Pharmacognosy is an International Joint Symposium of: Gesellschaft für Arzneipflanzenforschung, American Society of Pharmacognosy, Association Française pour l'Enseignement et la Recherche en Pharmacognosie, and Phytochemical Society of Europe. This joint symposium will take place July 17-22, 1990 in Bonn, West Germany and promises to be a real interesting experience, both scientifically and socially.

The scientific program is as follows:

Opening Lecture:

E.E. Conn (Davis) "Metabolic Principles Involving Natural Products: Lessons Learned from Cyanogenic Glycosides"

Section 1: Physiology and Chemistry of Natural Products

R. Croteau (Pullman) "Biochemistry and Physiology of Monoterpenes"

J. Stockigt (Munche) "Biochemistry and Physiology of Monoterpenoid Indole Alkaloids"

T. Hartmann (Braunschweig) "Formation, Translocation and Accumulation of Pyrrolizidine Alkaloids in Plants and their Role in Plant-Insect-Interactions"

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1990 GRANT AND AWARD WINNERS ANNOUNCED

ASP RESEARCH AWARD

Monroe E. Wall, Chief Scientist, Research Triangle Institute, Research Triangle Park, North Carolina, has been named as the 1990 recipient of the American Society of Pharmacognosy Research Achievement Award. The award, consisting of a check for \$2500, will be presented to Wall at the Society's annual meeting this July in Bonn, West Germany. Dr. Wall's contributions to research in the area of natural products were described in the last issue of the *ASP Newsletter* (Vol. 26, No. 1). Dr. Wall will address the participants at the annual meeting.

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 all received \$2500 and are as follows:

Kevin Reynolds, University of Maryland at Baltimore School of Pharmacy. Topic: "Studies of the Enzymes Involved in the Bioconversion of Shikimic Acid to Cyclohexanecarboxylic Acid."

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SECOND WENKERT SYMPOSIUM IN NATURAL PRODUCTS TO BE HELD

The second Wenkert Symposium on Natural Products Research will be held at the University of Mississippi, University, Mississippi on October 14-16, 1990. This symposium is planned for former students, post-docs, and colleagues of Ernie Wenkert on the occasion of his 65th birthday. The slate of symposium speakers includes:

Dr. Eloy Rodriguez of the University of California at Irvine who will talk about some of his work on the use of "medicinal" plants by primates.

Dr. Bob Hamill of Eli Lilly (or one of his senior associates) will outline the role of bioassays in discovery of new and novel natural products.

Dr. Tom Chester of Proctor and Gamble will bring attendees up to date on the utilization of supercritical fluids technology in extraction and purification of natural products.

Drs. C.J. Chang of Purdue and **Peter Jeffs** of Glaxo will review advances in structure elucidation methodology. C.J. will focus on small organic natural products and Peter will discuss small molecule-large molecule cases.

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Annual Meeting, Continued from Page 1, Column 1:

U. Matern (Freiburg) "Coumarins and other Phenylpropanoids in the Defence Response of Plant Cell Cultures"

M. Tabata (Kyoto) "Transport and Secretion of Natural Products in Plant Cell Cultures"

Section 2: Molecular Biology

M. van Montagu (Gent) "Enhanced Production of Active Natural Substances"

R.J. Robins (Norwich) "Alkaloid Production in Transformed Roots of *Datura* and *Nicotiana* and its Enhancement by Genetic Manipulation"

C.R. Hutchinson (Madison) "Genetics and Biochemistry of Secondary Metabolism in the *Streptomyces* and Related Bacteria"

T. Beppu (Tokyo) "Molecular Mechanisms of the A-factor dependent control of Secondary Metabolism in *Streptomyces*"

Section 3: Progress in Phytotherapy

V. Fintelmann (Hamburg) "Transformation of Phytotherapy from a Traditional to a Modern Scientific Medicine"

J.D. Phillipson (London) "Antiprotozoal Agents from Plant Sources"

F.J. Evans (London) "Cannabinoids: the Separation of Central from Peripheral Effects on a Structural Basis"

A. Beretz (Strasbourg) "Old and New Natural Products as the Source of Modern Anti-thrombotic Drugs"

Section 4: Alkaloids in Mammals

G. Brilingmann (Wurzburg) "Endogenous Alkaloids in Man: Synthesis, Analytics, In Vivo-Identification and Medicinal Importance"

H. Rommelspacher (Berlin) " β -Carbolines and Tetrahydroquinolines: Detection and Function in Mammals"

Closing Lecture:

A.R. Brossi (Bethesda) "Mammalian Isoquinolines: Conversion of Tetrahydroisoquinoline-1-carboxylic Acids Derived from Dopamine"

The social program for the international meeting includes visits to an area phytopharmaceutical medicines manufacturer, a glass museum in Rheinbach, a guided tour of Bonn, a day trip to Cologne, a bus tour through Eifel, a bus tour to the castle Eltz on the Rhine, and a wine tasting bus trip on the Ahr river as well as other activities. A post-symposium tour of South Germany is also available to interested participants.

All-in-all the meeting should be an eventful one for all participants.

Grants and Awards, Continued from Page 1, Column 2:

Bill Baker, Florida Institute of Technology, Department of Chemistry. Topic: "Studies Toward the Synthesis of the Marine Alkaloid Papuamine."

John S. Williamson, The University of Mississippi School of Pharmacy. Topic: "Biological Intermingling of Antibiotic Traits."

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 awardees are designated as the Lloyd Library Travel awards for the year.

This year's recipients are:

Norito Kaneda, The University of Illinois at Chicago

C.S. Rukmani Iyer, Indian Institute of Technology, Bombay, India

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:

Michael Horn, Purdue University School of Pharmacy and Pharmaceutical Sciences, under the direction of Dr. Jerry McLaughlin.

Paul Blake Cook, The University of Mississippi School of Pharmacy under the direction of Dr. John S. Williamson.

Wenkert Symposium, Continued from Page 1, Column 3

Drs. Tohru Fukuyama of Rice and **Robert Holton** of Florida State will discuss current work toward the synthesis of synthetically challenging natural products.

Dr. Heinz Floss of the University of Washington will give attendees an overview of developments in biosynthesis and biotechnology.

Anyone interested in attending this symposium, please contact: Dr. James D. McChesney, Director, Research Institute of Pharmaceutical Sciences, School of Pharmacy, The University of Mississippi, University, MS 38677. Phone: (601)232-7132.

FUTURE MEETINGS

Future ASP Meetings

1990 - July 17-22 - Joint meeting with the Gesellschaft Fur Arzneipflanzenforschung, the Association Francaise pour l'Enseignement et la Recherche en Pharmacognosie, and the Phytochemical Society of Europe, University of Bonn, West Germany.

1991 - July 21-26 - University of Illinois at Chicago

1992 - Williamsburg, Virginia

1993 - San Diego, California

1994 - Halifax, Nova Scotia

1990 - October 14-16 - Second Wenkert Symposium on Natural Products Research - University of Mississippi. For details contact: James D. McChesney, Ph.D., Director, Research Institute of Pharmaceutical Sciences, School of Pharmacy, The University of Mississippi, University, MS 38677. Phone: (601)232-7132.

American Association of Pharmaceutical Scientists Future Meetings

1990 - November 4-9 - Fifth Annual Meeting, Las Vegas, Nevada

Phytochemical Society of North America Future Meetings

1991 - June 22-26 - Annual Symposium- Fort Collins, Colorado. For details contact: Helen M. Habermann, Department of Biological Science, Goucher College, Baltimore, MD 21204. Phone: (301)337-6303. FAX: (301)337-6123.

Phytochemical Society of Europe Future Meetings

1990 - July 17-22 - Joint International Symposium on the Biology and Chemistry of Active Natural Substances (With ASP, GA, and FERP - See Above)

1990 - December 19-21 - Bioformation of Flavours - A Joint International Symposium with Royal Society of Chemistry, King's College London, U.K. For further details contact: Dr. B.V. Charlwood, Plant Cell and Molec-

ular Biology Group, King's College London, Campden Hill Road, London W8 7AH, UK.

Other Meetings of Interest

Molecular and Physiological Aspects of Plant Peroxidases, University of Lubin, Poland, August 27-29, 1990. For further information contact: Dr. Jerzy Lobarzewski, Department of Biochemistry, The University of Maria Curie-Sklodowska, 20-31 Lublin 41, Poland.

Eighth Hungarian Bioflavonoid Symposium, Szombathely, Hungary, August 27-29, 1990. For more information contact Dr. Sandor Antus, Institute of Organic Chemistry, Technical University Budapest, H-1111 Budapest, Gellert ter 4. Hungary.

Ecology and Biochemistry of Non-Protein Amino Acids in Plants, University of Ghent, Belgium, September 17-19, 1990. For further information please contact Professor Fernand Lambein, Laboratorium voor Fysiologische Chemie, Rijksuniversiteit, K L Ledeganckstraat 35, B 9000 Gent, Belgium.

International Congress on Traditional Medicine and Medicinal Plants, Denpasar, Bali, Indonesia, October 15-17, 1990. For details contact: Secretariat of the International Congress on Traditional Medicine and Medicinal Plants, Department of Physiology Faculty of Medicine, Udayana University Denpasar 80232 A Indonesia. Phone (0361) 26132.

2nd North American Tannin Conference, Houghton, Michigan, June 17-21, 1991. For information contact: Peter E. Laks, Institute of Wood Research, Michigan Technological University, Houghton, MI 49931 OR Richard W. Hemingway, Southern Forest Experiment Station, 2500 Shreveport Highway, Pineville, LA 71360.

FIP and 1991 Pharmacy World Congress - Washington, D.C., September. For further information contact Dr. Roland Hardman, President, Medicinal and Aromatic Plants Section, FIP, 'Holly Leigh', Holt Road, Bradford-On-Avon, Wiltshire, U.K. BA15 1TR

OBITUARY

Dr. N. M. Ferguson of Alhambra, California passed away on December 10, 1989.

THE EDITOR'S DESK

Your contributions to the *Newsletter* are essential to its success. 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 Fall issue of the *Newsletter*, please have your contributions forwarded to me by September 1, 1990 at the following address: Joy B. Reighard, Ph.D., Editor *ASP Newsletter*
Temple University
School of Pharmacy
3307 N. Broad St.
Philadelphia, PA 19140, U.S.A.
Phone: (215)221-4946

NEW MEMBERS

The ASP is pleased to welcome the following new members:

NEW FULL MEMBERS

Ronald R. Anderson
Lakewood, Colorado

Timm Anke
University of Kaiserslautern, FRG

Maria L. Bade
Boston College

Ralph C. Ballard
Los Gatos, California

James L. Beck
Solaray, Inc., Utah

Michel Bernon
Bethesda, Maryland

Peter M. Blumberg
National Cancer Institute

Susan W. Brobst
National Cancer Institute

Rob Capon
University of Melbourne

Patrick Cassidy
Merck and Company,
N.J.

Luc Colinet
Belgium

Chang-Yih Duh
Kaohsiung Medical College,
Taiwan

Richard C. Durley
St. Louis, Missouri

William Gaffield
Albany, CA

Ramaz A. Gakhokidze
USSR

Daniela Giachetti
University of Siena, Italy

Harvey J. Grubbs
Philip Morris Research
Center, VA

Gerhard J. Haas
New York Botanical
Garden

Laurence H. Hurley
The University of Texas
at Austin

Wayne D. Inman
South Dakota State
University

Norito Kaneda
University of Illinois at
Chicago

Kazuko Kawanishi
Kobe Women's College
of Pharmacy, Japan

Jun'ichi Kobayashi
Hokkaido University,
Japan

Longze Lin
University of Illinois at
Chicago

Claeys Magda
University of Antwerp,
Belgium

Rebecca Maloney
Seattle, Washington

Tadeusz F. Molinski
University of California at
Davis

Mouhoussine Nacro
University of Ouagadougou,
West Africa

Masamitsu Ochi
Kochi University, Japan

Michael Rabinoff
Berkeley, California

Kevin A. Reynolds
University of Maryland at
Baltimore

James N. Roitman
Berkeley, California

Yadhu N. Singh
South Dakota State Uni-
versity

Kunio Takahashi
Meiji College of Pharma-
cy, Japan

Roland Wohlgemuth
Switzerland

NEW ASSOCIATE MEMBERS

Jacqueline C. Bede
University of Toronto,
Canada

Kerry Kulowski
The University of Iowa

Maria Graca Lins-Brandao
Brazil

Howard Marks
Cornell University, New
York

William Popin
Orem, Utah

Kenneth W. Stagliano
Temple University

BOOKS OF INTEREST

THE ALKALOIDS, Chemistry and Pharmacology, Arnold Brossi, Ed., Volume 36 (337 pp., 1989, \$89.00), Volume 37 (250 pp., 1990, \$75.00), and Volume 38 (331 pp., 1990, \$95.00) are now available. Academic Press, Book Marketing Department, 1250 Sixth Avenue, San Diego, CA 92101-9665. Phone: 1-314-528-8110 or 1-800-321-5068.

Chemistry and Significance of Condensed Tannins, Richard W. Hemingway and Joseph J. Karchesy, Eds., Plenum Publishing Corporation, Attn. Dianne King, 233 Spring Street, New York, NY 10013-1578, \$82.50.

Revista Latinoamericana De Quimica on Phytochemistry Methods Frontiers, Special Supplement, X.A. Dominguez, Ed. Contact: Revista Latinoamericana de Quimica, Apartado Postal 4644, Sucursal de Correos "J", Monterrey, N.L., 64849, Mexico. 320 pp., 1990, \$70.00.

Marijuana, M.S. Gold, Plenum Publishing Corporation, 259 pp., 1989, \$32.50.

Atlas Florae Europaeae: Distribution of Vascular Plants in Europe, J. Jalas and J. Suominen, Eds., I (Pts. 1 & 2, 169 pp., 1988, \$59.50), II (Pts. 3-5, 251 pp., 1988, \$69.50) and III (Pts. 6 & 7, 409 pp., 1988, \$89.50).

Microbial Products, S. Baumberg, I. Hunter, and M. Rhodes, Eds., Cambridge Press, 383 pp., 1989, \$75.00.

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



SAVE
THE
RAIN FORESTS

American Society of Pharmacognosy
David J. Slatkin, Ph.D., Treasurer
P.O. Box 13145
Pittsburgh, PA 15243

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 \$80.00.

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, N.C.
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
School of Pharmacy
University of Pittsburgh
Pittsburgh, PA 15261 U.S.A.