ASP MEETING IN BONN A BIG SUCCESS

The annual ASP meeting was held on July 17-22 in Bonn, Germany in conjunction with the Gesellschaft fur ArzneiPflanzenforschung, Association Francaise pour l'Enseignement et la Recherche en Pharmacognosie, and the Phytochemical Society of Europe. Hosting it at the Pedagogische Fakultat was the Institute fur Pharmazeutische Biologie of the Rheinische Friedrich-Wilhelms-Universitat in Bonn.

Attendance was over 800 with 19 plenary presentations, 17 by invited speakers and 2 by award recipients (ASP and Gesellschaft). There were 32 short podium presentations a staggering 332 posters displayed in three sessions.

Each of the three and a half days of the sessions (Wednesday through Saturday noon) was devoted to a separate category. These were, in order: Physiology and Chemistry of Natural Products; Molecular Biology; Progress in Phytotherapy, and Alkaloids in Mammals. The only exceptions were the ASP Award (Monroe E. Wall) and Egon Stahl Award (Rudolf Bauer) lectures and Eric E. Conn's introductory lecture.

Professor Eric E. Conn (Department of Biochem. & Biophys., University of California, Davis) opened the scientific sessions immediately following the opening ceremonies on Tuesday evening, July 17. In the category Metabolic Principles Involving Natural Products he spoke on The Lessons Learned from Cyanogenic Glycosides.

Wednesday's theme, The Physiology and Chemistry of Natural Products included five plenary lectures: Professor Rod Crozart (Inst. of Biol. Chem., Washington State University) on The Biochemistry and Physi

(Continued on Page 2, Column 1)

PRESIDENT SUFFNESS ADDRESSES MEETING ATTENDEES

The President's Report to the Society is traditionally delivered at the Annual Banquet, but in view of the special circumstances of a joint meeting, it is more appropriate to present this report at the Annual Business Meeting of the Society.

This year has been a highly successful one as the Society continues to grow and initiate new programs. Some of the highlights of this past year are:

1) Legal establishment of the A.S.P. Foundation which will make available new possibilities for tax-exempt contributions in support of Educational and Research Activities.

2) Enhancement of relations with the Lloyd Library and Museum with future prospects for increased collaboration with the A.S.P.

3) Organization of a new membership category and dues structure for retired members to keep them active in the Society.

4) The first steps have been taken towards increasing publication of the Journal of Natural Products to a monthly format.

I take credit for none of the above; the one year term of the President of the A.S.P. is much too short to accomplish significant goals. Things which prior presidents have initiated, I have tried to move along. Things which I have started, Doug Kinghorn and Chris Ireland and their successors will follow up. The A.S.P. is largely successful not because of its presidents but because of the many members who have given so much of their time and effort to various committees. In particular, I want to thank the members of the Executive Committee for all their advice and help and particularly

(Continued on Page 2, Column 3)

THE LLOYD LIBRARY AND MUSEUM: A PHARMACOGNOSTIST'S TREASURE TROVE

For over a century the Lloyd Library & Museum has been serving the public. The articles of incorporation state that its mission is "... to collect and maintain a library of botanical, medical, pharmaceutical and scientific books and periodicals and works of allied sciences, ... and to promote and encourage the scientific study and investigation of botany in its various branches, and to do all things necessary and incident to the carrying out of said purposes." The Lloyd Library remains as committed to this purpose today as when it was first written in 1907. Yet the above mission statement not only defines its raison d'etre but also its public. Clearly, American pharmacognosists could find no better laboratory in which to hone their craft.

It all started through the efforts of the Lloyd brothers: Nelson Ashley, Curtis Gates, and John Uri. While Nelson provided the business acumen, the botanical interests of Curtis and the pharmaceutical knowledge of John pretty well established the character of the collection. From the 1493 Italian pharmaceutical work, Meseu's Vulgaris, to the 16th century botanical masterpiece, De Historia Stirpium, the Lloyd brothers assembled an extraordinary library in both fields; the apex of which culminated where their bibliographical propensities merged -- in vegetable materia medica.

Although space does not permit a detailed listing of our holdings (it would fill several volumes alone), some of Lloyd Library's more outstanding pharmaceutical possessions would include the following: a 1652 edition of Valerius Cordus, one of the earliest pharmacopoeias; several editions of the

(Continued on Page 4, Column 3)
malian Isoquinolines: Conversion of Tetrahydroisoquinoline-1-carboxylic Acids Derived from Dopamine.

There were three award lectures, the first being the ASP Award Lecture featuring Dr. Munroe E. Wall (Research Triangle Institute, North Carolina, USA) on Recent Progress in the Chemistry and Biology of Plant Antimutagenic Agents. Egon Stahl Awarded Dr. Rudolf Bauer (Institute for Pharm. Biology, University of Munich) addressed the subject Recent Investigations on Constituents and Activity of Echinacea Species. The Kilmer Prize paper was given as a short oral presentation by Ghee Teng Tan (Pharmaceutical Sciences, College of Pharmacy, University of Illinois at Chicago) on the subject Evaluation of Natural Products as Inhibitors of Human Immunodeficiency Virus (HIV) Reverse Transcriptase.

A variety and extensive social program was offered, including events before and after the official programs. A traditional welcome party was offered at the Paedagogische Facultat on the first evening. The symposium banquet, held at the Alexander König Museum and Zoological Research Inst., offered the unique experience of dining under the glassy dome of ranks of stuffed animals. There was no program, but ample time to tour the exhibits was provided.

There was an array of daytime tours, but there also were several tours available at times when there were no presentations for those attendees diligent in pursuing scientific knowledge. On Tuesday, July 17, prior to the opening ceremonies, there was a choice of day trips to J. Madaus or Nattermann Pharmaceutical companies (both in Koln). These visits included plant tours with American participants finding the large role of crude and partly purified natural drug products of particular interest.

Post-symposium events included wines tasting in the cellars of a winery near the Ahr River, an event which included dinner and much excellent wine. This occurred on Saturday evening, July 21. On the following day a choice of two day tours through the Eifel Mountains, one botanically oriented and the other for sightseeing was given. Alternately one could choose an eight day tour of Southern Germany and Austria.

The opening and closing ceremonies were impressing including the student chamber music groups that provided excellent music in the tradition of Germany. Singing "Auld Lang Syne" in various languages and the release of balloons provided an impressive ending for the closing ceremonies.

(Thanks to Donald E. (Ted) Nettleton, Jr. for this report)
1991 ASP MEETING TO BE HELD IN CHICAGO

The 33rd Annual Meeting of the American Society of Pharmacognosy will feature a major International Symposium on the Contemporary Status of Natural Products Research in the areas of drug discovery, synthesis, biosynthesis and biological evaluation. The meeting will be held from July 21 to 26, 1991, and is hosted by the Program for Collaborative Research in the Pharmaceutical Sciences and the College of Pharmacy at the University of Illinois at Chicago. The meeting will be held at the newly renovated Congress Hotel on Michigan Avenue in the heart of downtown Chicago. The hotel overlooks the magnificent lakefront and Grant Park, and is close to the Loop and Michigan Avenue shopping, restaurant and business districts. Cultural attractions such as the Art Institute of Chicago, Orchestra Hall, the Adler Planetarium and others are also nearby.

The Scientific Program Committee is pleased to propose a very diverse symposium program covering the breadth and depth of contemporary pharmacognosy.

KEYNOTE ADDRESS
B.S. Blumberg, Philadelphia An Exercise in Systematic Plant-derived Medication Discovery
Nobel Laureate, 1976

PLENARY LECTURES
D.D. Soejarto, Chicago Plant Drug Discovery from the Tropical Rain Forest: Are Our Efforts Adequate?
N.R. Farnsworth, Chicago The Value of Ethnomedical Information for Drug Discovery
O. Sticher, Zurich Some Recent Aspects of the Isolation and Structure Elucidation of Natural Products
H. Wagner, Munich Potent Plant-derived Immunostimulators
W.K. Milhouse, Washington Development of Drugs for Multiple Drug Resistant Malaria
T.J.R. Harris, London Molecular Biological Approaches in Screening for Natural Product Leads
I. Kitagawa, Osaka Recent Chemical Investigations on Licorice Roots
O.S. Weislow, Frederick Bioassay Support for Natural Product Antiviral Drug Discovery: Role in Extract Fractionation and Drug Purification
D.E. Canne, Providence Enzymatic Formation of Cyclic Terpenoids
J.C. Vederas, Edmonton Stable Isotope Labelling in Biosynthetic and Structural Studies
A.I. Scott, College Station How Nature Synthesizes Vitamin B12: A Survey of the Last Four Billion Years

M.H. Zenk, Munich Isoquinoline Alkaloids: Pathways - Enzymes and Metabolism
J.P.N. Rosazza, Iowa City Metabolism of the Vinca Alkaloids: From Streploymycyes griseus to Monoamine Oxidase
I. Nnoumya, Kobe Recent Progress in the Synthesis of Indole Alkaloids
S.F. Martin, Austin Strategies for the Synthesis of Indole Alkaloids

ASP RESEARCH ACHIEVEMENT AWARD LECTURE
S.W. Pelletier, Athens Studies in the Chemistry of Natural Products

The social program committee is planning a broad social program both for the scientific participants and for their guests. Information about local cultural exhibits and events will be available at the hospitality desk throughout the conference.

For all participants, there will be a welcoming reception on Sunday, July 21. Wine and cheese will be available at the poster sessions on Monday and Tuesday evenings, and on Wednesday afternoon there will be an afternoon trip to the Chicago Botanical Garden followed by a barbecue. Visits to the evening concert at Ravinia, which is close to the Botanical Garden, may also be arranged. The Annual Banquet will be held on Thursday evening.

We look forward to an stimulating and enjoyable annual meeting in Chicago.

SOCIETY NEWS

A NEW BABY BOY
Congratulations to Jim and Kathy Gloer on the birth of a baby boy, John Benton Gloer on October 3, 1990, 9:21 a.m. John weighed in at 7 pounds, 13 ounces. Jim is an active member of the ASP and hails from the University of Iowa.

NAPRALERT NOW AVAILABLE ON-LINE
NAPRALERT, a database of the natural products literature which contains the information in articles (or books) that refer to any medical use (sensu latu) of a living organism (generally plants), any chemical isolated from an organism, any biological testing done on either organism extracts or purified non-synthetic chemicals. The database increases at a rate of approximately 600 articles per month, which is generally sufficient to cover the natural product literature in more than 700 journals. NAPRALERT currently contains the extracted information from more than 75,000 articles or books. These articles contained information on more than 87,000 pure chemical species, more than 38,000 plant or animal species and more than 426,000 records which associate these previous record types with biological activity.

This service is now available on-line through phone modem or BITNET access. Subscriptions are available for individual academic users through government agencies or major commercial users. For further information or an application please contact: Norman R. Farnsworth, Ph.D., Research Professor of Pharmacognosy and Senior University Scholar, Program for Collaborative Research in the Pharmaceutical Sciences (M/C 877), College of Pharmacy, University of Illinois at Chicago, 833 South Wood Street, Chicago, Illinois 60612. Phone: (312) 996-2246. FAX: (312) 996-7107. Telex: 206243.
NEW MEMBERS

The ASP is pleased to welcome the following new members:

New Full Members:

Mohammad Bashir
Analytical Biochemistry Laboratories
Missouri

Bishambar Dyal
Veterans Administration Medical Center
New Jersey

Rhonda Dillman
Eastern Montana College

Richard Erganian
Fresno, California

Robert E. Erickson
Universal Flavor Corp., Indiana

Vinod R. Hegde
Schering Corporation, New Jersey

David K. Ho
The Ohio State University

Konstantin Keller
Western Germany

Gabriele M. Konig
Zurich, Switzerland

Paul A. Lachance
Rutgers University, New Jersey

May D. Lee
Lederle Laboratories, New York

Yuh-Meei Lin
MediChem Research, Inc., Illinois

Robert C. Lindsay
University of Wisconsin - Madison

Denise C. Manker
Entotech, Inc., California

Mark S. Meier
University of Kentucky

Kensuke Nabeta
Ohihiro University of Agriculture and Veterinary Medicine, Japan

Charles Nickolaus
U.S. Tobacco Mfg. Co., Inc., Tennessee

Herbert N. Nigg
University of Florida

John M. Ostrander
Shreveport, Louisiana

S. Jamal Shah Qadry
Hamard College of Pharmacy, India

Robert Rucker
University of California - Davis

Marilyn J. Schneider
Wellesley College, Massachusetts

Margareta Sequin
San Francisco State University

Afaf Hassan Shehata
Cairo University, Egypt

Georgia Sotiropoulou
University of Patras, Greece

Mai Van Tri
National Centre for Scientific Research of Vietnam

Pao-Shui Wang
Hershey Foods Corporation, Pennsylvania

Anthony David Wright
Zurich, Switzerland

New Associate Members:

T. Biniaz
Shahid Beheshti University, Iran

Norman Patrick Coco
Northeast Louisiana University

R.J. Davey
Melbourne, Australia

Tina Hui
University of Pacific, California

Zohreh Habibi Karahroudi
Shahid Beheshti University, Iran

Mohmanzar Saberi
Tehran, Iran

(LLOYD - Continued from page 1, Col. 3) famous Augsburg Pharmacopoeia from 1581, 1690, 1694 and 1734; the Pharmacopoeia Augustana, 1684; the materia medica of Dioscorides from 1526, 1529, 1552, and 1598; Johann Schröder's Vollständige und Nutzreiche Apotheke, 1693; numerous editions of the Pharmacopoeia Londinensis dating from 1653; an extensive collection of the London and Edinburgh 18th century dispensatories; The Pharmacopoeia of the Massachusetts Medical Society published in 1808, preceding the first Pharmacopoeia of the United States by 12 years; and, of course, a complete set of the U.S. pharmacopoeias as well as numerous editions of John King's influential American Dispensatory. In addition to these historically significant works are nearly 200 more current monographs devoted specifically to pharmacognosy.

These and many more sources are available at the Lloyd Library. They bear out the fact that this collection is a well equipped "workshop" for the practicing pharmacognosist. In order to fully appreciate these treasures those interested are encouraged to come in for a visit. The entire library staff is eager to serve your research needs.

Lloyd Library & Museum hours are as follows: 8:30 a.m. until 4:00 p.m. Monday through Friday, and 9:00 a.m. until 4:00 p.m. every first and third Saturday of the month.

Michael Flanery, Assistant Librarian

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MORE SOCIETY NEWS

Professor Edward Leete Receives Award

Edward Leete, a member of the ASP since 1979, is the 1990 recipient of the Pergamon Phytochemistry Medal and Prize, as announced in Phytochemistry 29, 3065. The award is given in recognition of his sustained and outstanding contributions to phytochemical knowledge and to the biosynthesis of secondary metabolites. The hallmark of Dr. Leete's work is the biosynthesis of natural products, especially the alkaloids. Congratulations Dr. Leete!
FUTURE MEETINGS

Phytochemistry and Agriculture to be held in Wageningen, The Netherlands, April 22-24, 1992.

To receive further information about the above meetings please contact: Dr. B.V. Charlwood, Plant Cell & Molecular Biology Group, Division of Biosphere Sciences, King's College London, Campden Hill Road, London W8 7AH, U.K.


Sixth Plant Cell Wall Meeting, Nijmegen, Netherlands, August 25-28, 1992. For more information contact: Professor M.M.A. Sassen, Department of Experimental Botany, Catholic University, Toernooiveld, 1, 6525 E D Nijmegen, The Netherlands (FAX 080-553-450).

Other Meetings of Interest

Second Sino-U.S. Conference on Cancer Research, Shanghai, China, June 2-4, 1991. For further information please contact: Dr. R.T. Chen or Dr. L.F. Dai, Shanghai Anti-Cancer Drug Consulting Centre, 319 Yue-Yang Road, Shanghai 200031, China. Telephone: 4311833, Ext. 5 or 7. Telex: 33275 CAAS CN. Telefax: (21)4333324. Cable: 3434.


phone: (906)487-2364. FAX: (906)487-2915.

International Symposium on Essential Oils, St. Vincent, Italy, September 11-13, 1991. For further information please contact: Prof. Dr. Carlo Bicchi, Dipartimento di Scienze e Tecnologie del Farmaco, Turin University, Corso Raaffaello 31, 10125, Torino, Italy.

FIP and 1991 Pharmacy World Congress - Washington, D.C., September 2-5, 1991. For further information contact Dr. Roland Hardman, President, Medicinal and Aromatic Plants Section, FIP, 'Holly Leigh', Hold Road, Bradford-On-Avon, Wiltshire, U.K. BA15 1TR.


BOOKS OF INTEREST

Alkaloids: Chemical and Biological Perspectives, Volume 7, S. William Pelletier, Ed., Springer-Verlag New York, Inc., P.O. Box 2485, Secaucus, New Jersey 07096-9312. Phone: 1-800-777-4643 or (201)348-4033 (in New Jersey), 1991, 591 pp., 42 illus./Hardcover $98.00.


OBITUARY

American Society of Pharmacognosy
Research Achievement Award for
1992
The American Society of Pharmacognosy Research Achievement Award is awarded annually, given candidates of sufficient merit. Candidates must be members of the American Society of Pharmacognosy and must have made distinguished contributions to natural products research. The award consists of a special honorarium of $2,500 and travel expenses to present the award lecture at an annual meeting of the Society.

Nominations of candidates for this award are now being received for 1992. A nomination may be made by any member of the Society and must include a curriculum vitae of the nominee, a list of publications, and a statement emphasizing the nominee's accomplishments and their significance. Attachment of representative reprints may be helpful.

Nominations and inquiries should be received no later than March 1, 1991, and be directed to: John P.N. Rosazza, Research Award Committee, College of Pharmacy, University of Iowa, Iowa City, Iowa 52242.
Phone: (319)335-8842.

American Society of Pharmacognosy
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 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 blinded 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. 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 May 1, 1991. Applications should be sent to: Dr. Alice M. Clark, Chair, ASP Awards and Funds Committee, Department of Pharmacognosy, School of Pharmacy, The University of Mississippi, University, MS 38677. Phone: (601)232-7026. FAX: (601)232-5188.

AWARDS AND GRANTS

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

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. 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 current funding. A curriculum vitae of the investigator should also be included with the proposal and budget. The deadline for submission of the application for these grants is March 1, 1991.

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. 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 deadline for submission of the applications is May 1, 1991.

3) Travel Grants for Graduate Students:
Graduate students under supervision of a Society member are also eligible for a travel grant 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 (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. The deadline for submission of the applications is May 1, 1991.

4) Undergraduate Research Awards:
The ASP Undergraduate Research Awards consist of a stipend of $2000 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, 1991:

a. An outline of the research to be conducted. 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 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.

5) Lloyd Library Museum Fellowships
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 will be awarded. These awards will be made based on excellence in both scholastic and research activities in the field of natural products. Applications are due May 1, 1991.

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.

Address inquiries and requests for application information to:
Dr. Alice M. Clark
Department of Pharmacognosy
School of Pharmacy
University of Mississippi
University, MS 38677
Phone: (601)232-7026
FAX: (601)232-5118
SURVEY ON A.S.P. MEMBERSHIP AND DUES STRUCTURE

1. Do you favor a dues structure in which a subscription to the Journal of Natural Products is not automatically included with membership in the A.S.P.?
   yes ______ no ______ no opinion ______

2. If the Journal of Natural Products was optional and cost an additional $50 per year over the basic membership rate of about $25 per year, would you continue to take the Journal?
   yes ______ no ______ no opinion ______

3. If membership cost $25 per year and gave only the Newsletter and a reduced member rate for registration at the Annual Meeting, would you continue to be a member?
   yes ______ no ______ no opinion ______

4. Please include any other comments you wish to make on a separate sheet of paper.

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 $85.00.

**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. Hegauer, Leiden, Netherlands
- Dr. Albert Hofmann, Switzerland
- Dr. Richard E. Schultes, Harvard Botanical Museum
- Dr. Arthur E. Schwarting, Florida
- Dr. Gordon Sloboda, 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 membership 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.

**Books of Interest**
The following books of interest to researchers in natural products are available from CRC Press, Inc., 2000 Corporate Blvd., N.W., Boca Raton, Florida 33431.


- Naturally Occurring Pyrrolizidine Alkaloids, Abdel-Fattah M. Rizk, 1990, 224 pp., 11 tables, 35 illus., U.S. $120.00/Outside U.S. $142.00.