RESEARCH CONGRESS ON NATURAL PRODUCTS (30 ANNUAL MEETING OF THE ASP) TO BE HELD IN SAN JUAN

The Research Congress on Natural Products (XXX Annual Meeting of the American Society of Pharmacognosy) will be held at the Sands Hotel and Casino Beach Resort in San Juan, Puerto Rico, August 6-10, 1989. The congress is hosted this year by the University of Puerto Rico College of Pharmacy.

This year's symposium is comprised of two major topics:

I. Symposium on Natural Products and the Disease Condition

Part A: Documentation of Plant Use
Dr. Eloy Rodriguez, Professor, University of California at Irvine
"Selection and Chemistry of Medicinal Plants Used by Non-Human Primates"

Professor Peter G. Waterman, Director of Phytochemistry Research Laboratories, University of Strathclyde, Glasgow, Scotland
"Searching for Bioactive Compounds: Various Strategies"
(Please note: Dr. Waterman is a replacement for the previously scheduled Dr. Plutarco Naranjo, Secretary of Health, and Professor, Central University, Quito, Ecuador)

Part B: Potential of Plant Use for Cancer and Acquired Immune Deficiency Syndrome (AIDS)
Dr. Yu Rencun, Chief Physician and Director of the Oncology Department, Beijing Hospital of Traditional Herbal Remedies, Peoples Republic of China
"Clinical Application of Chinese Herbal Remedies as Immunomodulators in the Treatment of Cancer"

Dr. John Cassady, Dean and Professor, The Ohio State Univ.
"Natural Products as a Source of Potential Cancer Chemotherapeutic and Chemoprevention Agents"

Dr. David G. I. Kingston, Professor, Virginia Polytechnic Institute and State University, Blacksburg, Virginia
"Chemistry of Taxol -- A Clinically Useful Anticancer Agent"

Dr. Kenneth Snader, Coordinator of Natural Products AIDS Testing, National Cancer Institute
"Recent Advances in Natural Products AIDS Research"

Dr. Kenneth L. Rinehart (ASP Research Award Recipient), Professor of Chemistry, University of Illinois of Urbana-Champaign
"Bioactive Compounds from Aquatic and Terrestrial Sources"

Continued on Page 2, Column 1

1989 GRANT AND AWARD WINNERS ANNOUNCED

ASP RESEARCH AWARD
Kenneth L. Rinehart, Jr., Professor of Chemistry at the University of Illinois of Urbana-Champaign, is the winner of the 1989 Research Achievement Award of the ASP. The award, consisting of a check for $2500, will be presented to Rinehart at the Research Congress on Natural Products in San Juan, Puerto Rico, in August. He was cited for his achievements in the structure elucidation of antibiotics and marine natural products, in the biosynthesis of antibiotics, and in the application of mass spectrometry to structure elucidation. Dr. Rinehart will address the participants on the subject of "Bioactive Compounds from Aquatic and Terrestrial Sources."

KILMER PRIZE WINNER
Si-Yu Liu, a student of the pharmacology/toxicology graduate program at Washington State University, Pullman, WA, is the 1989 recipient of the Kilmer Prize. The Kilmer Prize was established in 1935 through a bequest from Dr. Frederick Barnett Kilmer, director of the Laboratories of Johnson & Johnson and father of the poet, Joyce Kilmer. The award is intended to recognize meritorious work in

Continued on Page 3, Column 1
Annual meeting - Continued from 
Page 1, Column 2.

II. Symposium on the Bio-
technology of Natural Prod-
ucts

Dr. David Evans, DNA Plant 
Technology, Cinnaminson, N.J. 
"Somaclonal Variation -- Its Prom-
ise for the Industry of Natural Prod-
ucts"

Dr. George N. Towers, University 
of British Columbia, Vancouver, Brit-
ish Columbia, Canada 
"Role of Agrobacterium in the 
Production of Secondary Metabo-
lites in Plants and Plant Tissue Cul-
ture"

Workshop of "Simple Bioass-
says"

This workshop will be presented 
on Thursday, August 10, and will in-
clude the following topics:
"Brine Shrimp, Crown Gall Tu-
mors on Potato Discs, and Lemna ", 
Jerry L. McLaughlin, Purdue Univer-
sity 
"Antimicrobial Screening," Alice 
Clark, University of Mississippi 
"Simplified Antiviral and Cytotox-
icity Screening," Robert G. Hughes, 
Jr., Roswell Park Memorial Institute 
"Introduction of SCS: A Screen-
ing Tool for DNA Damaging 
Agents," S. Kadam, Abbott Labora-
tories 
"Using the Phorbol Receptor Reac-
system," John A. Butler, PRI, NCI, 
Frederick Cancer Research Facility 
"DNA as an Affinity Probe Useful 
in the Isolation of Biologically Active 
Natural Products," John M. Pezzu-
to, University of Illinois at Chicago

This year's Killmer Prize winning 
paper will be presented on Thurs-
day, August 10. The College of 
Pharmacy is also sponsoring a 
breakfast with an open lecture by 
Esteban Nunez Melendez, Ph.D., 
Professor Emeritus, entitled, "Medi-
cinal Plants of Puerto Rico," on 
Tuesday morning, August 8.

The organizing committees for 
this year's congress report that they 
have received close to 100 scientif-
ic papers for presentation at the 
meeting. Of these papers, some 
will be presented orally, and others 
will be presented by poster format. 
They anticipate several hundredpar-
ticipants.

The local program committee has 
several forms of entertainment 
planned for the meeting. As usual, 
Sunday evening will commence 
with the social mixer. Monday even-
ing includes music and entertain-
ment aboard cruise boat sailing 
around San Juan Bay. You can en-
joy the great view of the Old City 
and Fort "El Morro" from the boat. 
Tuesday evening will be "Puerto 
Rico Fiesta Night, a show of lively 
folkloric dances and music with the 
true Latin flavor. Native food and 
drinks will be served. Wednesday 
afternoon a tour of "El Yunque" 
Rain Forest is planned. This forest, 
which is located on the northeastern 
part of the island, has beautiful 
cascades, enormous tree ferns, and 
tropical vegetation. There will be 
stops at a waterfall and the observa-
tion tower for an opportunity to view 
the northeastern coast. Refresh-
ments and snacks will be served. 
Thursday evening concludes the 
week's events with the annual ban-
quet. The Spouses' program in-
cludes a tour of the Bacardi Rum 
Distillery and a tour of Old San Juan.

It seems quite obvious that this 
year's meeting will be one you will 
not want to miss!!

CONTINUING EDUCATION 
CREDIT AT THIS YEAR'S 
MEETING

Those holding practitioner's li-
ensure in states of the US where 
continuing education (CE) credits 
are required and others wishing 
such credits may obtain these from 
attendance at this year's meeting 
under ACPE providership. This 
program is provided in accordance 
with ACPE criteria for a nominal fee. 
Participants may sign up for such 
credit without prior arrangement. 
when they arrive at the meeting.

FROM THE EDITOR'S 
DESK

I wish to thank those of you who 
continue to make contributions to 
the ASP Newsletter. Without your 
contributions, the Newsletter would 
not be a success. I welcome any in-
formation which may be of interest 
to our members, including letters to 
the editor, publications, grant infor-
mation, position openings, promo-
tions, meeting information, and so 
on. For inclusion in the Fall issue of 
the ASP Newsletter, please have your 
information forwarded to me by 
September 15, 1989 at the follow-

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BOOKS OF INTEREST

CRC Handbook of MEDICINAL 
HERBS, James A. Duke, Ph.D., 
CRC Press, Inc., 2000 Corporate 
Blvd., N.W., Boca Raton, Florida 33431 (1-800-272-7737), 696 pp., 
$255.00 (US).

THE ALKALOIDS, Chemistry 
and Pharmacology, Arnold Brossi, 
Ed., Volume 34 (410 pp., 1988, 
$89.00) and volume 35 (302 pp., 
1989, $85.00 - tentative) are now 
available. Academic Press, Book 
Marketing Department, 1250 Sixth 
Avenue, San Diego, CA 92101- 
4311 (1-800-321-5068).

Tropical Rainforests: Diversity 
and Conservation, F. Almeda and 
C.M. Pringle, Eds., California Academy 
1988, $32.25.

Chemistry of Nucleosides and 
Nucleotides, L.B. Townsend, Ed., 
Volume 1, 394 pp., Plenum Press, 
1988, $69.50.
AWARDS - Continued from Page 1, Column 3
pharmacognosy or natural products by an undergraduate or graduate pharmacy student.

The selection of the Kilmer Prize 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 Anaheim on April 9, 1989.

Liou was awarded the Kilmer Prize for his paper entitled "Antithrombotic Activity of Tetramethylpyrazine." The paper discusses the natural substance, tetramethylpyrazine (TMP), that has been used for many years in China for treating cerebrovascular and cardiovascular diseases. The research demonstrated that TMP has potent inhibitory effects on platelet aggregation and thrombosis formation.

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 awards are $2500 each.

This year's awardees are:
David P. Rotella, University of Mississippi School of Pharmacy.
Topic: "Development and Utilization of a Rapid and Inexpensive Assay for Calmodulin Antagonists from Natural and Synthetic Sources."

John R. Peterson, University of Mississippi School of Pharmacy.
Topic: "Development of an In-House Antiviral Assay: Lignan Natural Products as Models for Antivirals."

Regina Zibuck, Syracuse University.
Topic: "Total Synthesis of Erythroflamine and Cassamine Cardiotonic Alkaloids."

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 $5000 to enable them to present a paper at an annual meeting of the Society.

This year's recipients are:
Bradley S. Davidson, University of Utah
John R. Peterson, University of Mississippi
S. F. Dossaji, National Museums of Kenya, Nairobi
Sachiko Tsukamoto, University of Rhode Island

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:
Gamal Dora, University of Connecticut
Alex R. Jurgens, University of Mississippi
Esra Bejar, University of the Pacific
L. Pieters, University of Antwerp, Belgium
Yu-Hua Hui, Purdue University
Mehran F. Moghaddam, Oregon State University

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 $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. degree.

This year's recipients are:
Kimberly Wallace, University of Maryland School of Pharmacy, under the direction of Marilyn K. Speedie.
Thalia Rambalakos, University of Tennessee at Chattanooga, under the direction of Thomas G. Waddell.

Lloyd Library Museum Fellowships
These awards ($500 for travel to an annual meeting) are awarded to outstanding graduate students who excel in both scholastic and research in the field of natural products.

This year's awardees are:
T. Mark Zabriskie, University of Utah School of Pharmacy
Tennis M. Jurgens, University of Mississippi School of Pharmacy

These awards will be presented at the Annual Meeting in San Juan, P.R. in August. Congratulations to all award winners!! Watch future issues of the ASP Newsletter for deadlines for the 1990 Awards and Grants Program.

SOCIETY BUSINESS
Teller's Committee Report 1988 Election

The Tellers Committee reports the following results of the 1988 election:

Vice President - A. Douglas Kinghorn
Executive Committee Member (1989-1992) - Alice M. Clark

Constitution and By-Laws Amendment: Packages A and B passed.

A total of 848 ballots (457 United States and 386 non-United States) were mailed in late March and early April. Of this total, 276 ballots (199 United States and 77 non-United States) were returned and counted. Therefore, 33% of the qualified voting members of ASP participated in this election.
The ASP is pleased to welcome the following new members:

New Full Members:

Prof. Federico Arcamone
Menarini Ricerche Sud
Rome, Italy

Gil Belofsky
Bristol-Myers Company
Wallingford, CT

Neal S. Burres
Harbor Branch Oceanographic Institute, Fort Pierce, Florida

David E. Cane
Brown University

Nestor M. Carballèira
University of Puerto Rico

Cesar Catalan
University of Tucuman (Argentina)

Shieh Tom Chen
Merck and Company

Bradley S. Davidson
The University of Utah

John P. Devlin
Boehringer Ingelheim Pharmaceuticals, Inc.

Carl A. Elliger
Western Regional Research Center, U.S.D.A.

Steven Foster
Eureka Springs, AR

Amanda M. Gilum
Sterling Research Group

William F. Hagen
University of California

B. David Halpern
Polysciences, Inc.
Warrington, PA

Leslie J. Harrison
National University of Singapore

James Jamison
Kent State University (Ohio)

Yoel Kashman
Tel Aviv University

Barry Katz
Mycosearch, Inc., Durham, NC

Daniel Lednicer
Starks C.P., Gaithersburg, MD

Chao-Min Liu
Hoffmann-La Roche, Inc.

Yu-Tien Liu
Defense Medical Center
Taiwan, Republic of China

Anacleto Minghetti
Bologna, Italy

Prem Mohan
University of Illinois at Chicago

Per Christer Oden
Swedish University of Agricultural Sciences

Melanie J. O'Neill
Glaxo Group Research, Ltd.

Martha Quesada
Merck and Company

Nahid Mokhtari Rejali
University of Maryland

Elvera R. Richardson
Transpharma, Inc., Poway, CA

Abimael D. Rodriguez
University of Puerto Rico

David P. Rotella
University of Mississippi

Fernando A. Souto
University of Puerto Rico at Mayaguez

Olov Sterner
University of Lund, Sweden

Diane Shomin Swaffar
University of Utah

Sachiko Tsukamoto
The University of Rhode Island

Steven G. Wood
Springville, UT

New Associate Members:

Edward K. Alstat
Portland, Oregon

Hoang Do
University of Mississippi

Peter J. Facchini
University of Toronto

Keith Krabill
Kent State University (Ohio)

Martena M. Kraml
University of Toronto

Marjorie Richardson
University of Mississippi

Peter J. Rider
Philadelphia College of Pharmacy and Science

Roger M. Rutz
University of Illinois at Chicago

Rory Stauffer
State College, PA
**FUTURE MEETINGS**

**Future ASP Meetings**
1989 - August 6-10, University of Puerto Rico (See Page 1)
1990 - July 17-22, Joint meeting with the Gesellschaft Fur Arzneipflanzenforschung, University of Bonn, West Germany
1991 - University of Chicago
1992 - Washington - Baltimore

**American Association of Pharmaceutical Scientists**
Future Meetings
1989 - October 22-27 - Fourth Annual Meeting, Atlanta, Georgia

**Phytochemical society of Europe**
Future Meetings
Further details: Dr. F.A. Tomas-Barberan, C.S.I.C., Apdo. 195, Murcia 30080, Spain.

**Other Meetings of Interest**


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, U.S.A. Telephone: (801)752-2941.

Therapy With Amino Acids and Analogues 1st International Congress, Vienna, Austria, August 7-12, 1989. For details contact: Gert Lubec, University of Vienna, Department of Pediatrics, A 1090 Vienna, Wahringer Gurtel 18, Austria, Tel. (222)4600-3232 or (evening hours): (222)2340-424 private. (NOTE: This meeting conflicts with our annual meeting.)

35th Congress of the International Pharmaceutical Students Federation (IPSF), hosted by the Philadelphia College of Pharmacy and Science, Philadelphia, PA, August 8-17, 1989. For further details contact: Maureen Maloney, Philadelphia College of Pharmacy and Sciences, Woodland Avenue at 43rd Street, Philadelphia, PA 19104. Phone: (215)598-8800. (NOTE: This meeting conflicts with our annual meeting.)

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.

49th International Congress of Pharmaceutical Sciences of F.I.P., Munich, Germany, September 4-9, 1989. For details contact: F.I.P. Congress Department, Alexanderstr. 11, 2514 JL The Hague (The Netherlands) Telephone: (31)70 631925, Telex: 32 781 fip nl, Telex: (31)70 633914.

37th Annual Congress of the Medicinal Plant Research Society, Technical University of Braunschweig, September 5-9, 1989. For more information contact: Professor Dr. T. Hartmann, Institut fur Pharmazeutische Biologie, Mendelssohnstrasse 1, D-3300 Braunschweig, F.R.G.

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

Fifth International Conference on Chemistry and Biotechnology of Biologically Active Natural Products, Varna, Bulgaria, September 18-23, 1989. For further information: Dr. R. Vlahov, Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria.


Symposium on Semiochemicals and Pest Control, Wageningen, Netherlands, October 16-20, 1989. For more information contact: Dr. M. Dickinson, Department of Entomology, Agricultural University, Haarweg 10, 6709 Wageningen, Netherlands.


First International Congress on Ethnopharmacology, Strasbourg (France), June 5-9, 1990. For information contact: Professeur Robert Anton, Faculte de Pharmacie, Laboratoire de Pharmacognosie, B.P. 24, 67401 Illkirch Cedex France.

International Conference on Chirality, Sheraton Resort, Cancun, Mexico, June 7-9, 1990. For further details contact: Dr. Daniel W. Armstrong, Department of Chemistry, University of Missouri-Rolla, Rolla, Missouri, U.S.A. Phone: (314)341-4429.

The Fourth International Congress of Systematic and Evolutionary Biology, University of Maryland at College Park, July 1-7, 1990. For more information: Congress Secretary, ICSEB-IV, Department of Microbiology, University of Maryland, College Park, Maryland 20742 U.S.A.

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.
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, Lelde, 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 membership may be obtained by writing to the Treasurer of the Society:
David J. Statskin, Ph.D., Treasurer
The American Society of Pharmacognosy
Department of Pharmaceutical Sciences
512 Salk Hall
University of Pittsburgh
Pittsburgh, PA 15261 U.S.A.

SOCIETY NEWS

From The Indianapolis Star, Sunday, April 16, 1989:
Dr. Gordon H. Svoboda, an authority on medicinal plants, is back in Indianapolis after a trip to England to join Prince Philip in a fund-raising effort for rain forests.

A conference for the media kicked off a British campaign to raise $35 million. Svoboda and two other experts spoke at the 1-day meeting.

Spotlighted were the loss of an estimated 2,000 acres of rain forest every hour to farming and living sites in places such as Southeast Asia, Madagascar and the Amazon.

Forest loss kills many plants as yet unstudied by scientists; a few might be important in human medicine, said Svoboda, who is from Indianapolis.

Rain forests cover only 8 percent of the earth, but have 50 percent of the animals, insects and plants, he said.

Svoboda's interest in these plants stems from his discovery of vincristine, an anti-leukemia drug found in the Madagascan periwinkle. Since that discovery, farms have been established to raise the plant.

Another plant familiar to many people is foxglove, the source of the heart medicine digitals.

Svoboda's lament is that plant species destroyed in rain forests will forever be unavailable as a possible medicinal source.

"We haven't had a chance to investigate. We're probably investigating too slowly, but it's a jungle," he said. "Vincristine was discovered in 1961-62; where have we been since?"

The odds are long, he admits. Of the estimated 250,000 known plants, only about 40,000 have been tested for medicinal use and about 120 have yielded something of value.

But to Svoboda, that points up the need to save rain forests; one plant, yet unknown, might be worth it all.

SEE YOU IN SAN JUAN!!

SAN JUAN

PUERTO RICO