



# ASP Newsletter

The American Society of Pharmacognosy

VOLUME 21, NUMBER 2

June, 1985

## FROM THE EDITOR

I would like to thank, once again, those of you who have contributed to the Newsletter. The Newsletter will be the most useful as you continue to contribute. Please send your letters to the editor, selected editorials, grant information, grants received, new positions, position openings, and any other information which may be of interest to our readers. This material should be sent to:

Joy B. Reighard, Ph.D., Editor

ASP Newsletter

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Material for the next issue should reach my office no later than August 15, 1985.

## KOJI NAKANISHI TO RECEIVE ASP'S FIRST RESEARCH AWARD

The first recipient of the ASP Research Award has been identified by the Committee chaired by Yuzuru Shimizu. Koji Nakanishi has been selected as the first scientist to receive our most prestigious award, and he will address the scientists during our meeting in North Carolina. His topic will be "Isolation and Structure Determination of Tunichromes, a New Group of Blood Pigments from Tunicates."

We look forward to hearing this address and send congratulations to Dr. Nakanishi.

## RICHARD E. SCHULTES TO RECEIVE HONORARY MEMBERSHIP IN ASP

Dr. Richard E. Schultes, Director of the Harvard Botanical Museum, will be present at our annual meeting in Chapel Hill, North Carolina where he will receive honorary membership in our Society. Congratulations Dr. Schultes.

## ASP 1985 MEETING TIME IS HERE!

The time has come for the INTERNATIONAL RESEARCH CONGRESS ON NATURAL PRODUCTS. This year's meeting will be held at the University of North Carolina in Chapel Hill, North Carolina from the 7th to the 12th of July. This congress is a joint meeting of the ASP, the Association Francaise pour l'Enseignement et la Recherche en Pharmacognosie, the Gesellschaft für Arzneipflanzenforschung, and the Phytochemical Society of Europe.

This year's meeting promises to be a stimulating one, with the symposium "Biologically Active Nitrogen-Containing Natural Products: Structure, Biosynthesis, and Synthesis," as well as the presentation of this year's American Society of Pharmacognosy Research Award in Natural Products and that recipient's award lecture.

The symposium program is as follows:

### Monday, July 8 - "Biosynthesis"

Dr. A. Ian Scott  
Texas A & M University  
College Station, Texas

Applications of  $^{13}\text{C}$ -NMR in the Study of Biosynthetic Mechanisms *in vitro* and *in vivo*

Dr. Craig A. Townsend  
The Johns Hopkins Univ.  
Baltimore, Maryland

Amino Acid Metabolism in Antibiotic Biosynthesis

Dr. M. H. Zenk  
University of Munich  
Munich, FRG

Enzymology of Benzylisoquinoline Alkaloid Formation

### Tuesday, July 9 - "Synthesis and Structure Activity Relationships"

Dr. Sydney M. Hecht  
Smith, Kline, & French  
Philadelphia, PA

Synthesis and Biochemical Evaluation of Bleomycin Group Antibiotics

### Wednesday, July 10 - "Synthesis and Structure Activity Relationships" (continued)

Dr. Arnold Brossi  
Natl. Institutes of Health  
Bethesda, Maryland

Further Explorations of Unnatural Alkaloids

Dr. H. P. Husson  
Institut de Chimie des Substances Naturelles  
Gif Sur Yvette, France

A New Approach to the Asymmetric Synthesis of Alkaloids

### Thursday, July 11 - "Structures of Natural Products"

Dr. Dudley H. Williams  
Cambridge University  
Cambridge, England

The Use of Nuclear Magnetic Resonance and Mass Spectroscopy in Structural Problems

Dr. R. Verpoorte  
University of Leiden  
Leiden, The Netherlands

Methods in Structure Elucidation of Alkaloids

Dr. John W. Westley  
Hoffman-LaRoche  
Nutley, New Jersey

Antibiotic Structure and Biosynthesis

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In addition to the symposium Monday, Tuesday, Wednesday, and Thursday mornings, contributed papers will be presented Monday afternoon, Tuesday morning, Wednesday afternoon, and Friday morning. There will also be a poster session Tuesday afternoon. There have been approximately 200 papers submitted. The ASP Research Award Address is scheduled for Thursday afternoon.

The local program committee has also planned several social events: The traditional reception-social mixer Sunday evening, as well as the traditional banquet Thursday evening, will be held. They have also planned a Southern Barbecue and Jamboree for Tuesday evening which should prove quite delicious and entertaining. This will include a Blue-Grass Band and Square-Dancing.

Tours will also be available to all who are interested. There will be a bus tour of Raleigh, N.C. on Tuesday, July 9 from 9:00 a.m. to 3:00 p.m. A bus tour of Old Salem/Winston-Salem, N.C. will be conducted on Wednesday, July 10 from 8:30 a.m. to 5:00 p.m. In addition there will be a North Carolina Mountain Weekend from July 13-15 for those who might enjoy such a venture.

All-in-all this year's meeting looks like it will be both scientifically stimulating and also entertaining. Hopefully we will see many of you there.

## CE TO BE PROVIDED AT THIS SUMMER'S MEETING

The ASP, under the ACPE providorship of the University of North Carolina School of Pharmacy, will offer nine hours of approved CE credits at this summer's international congress. The CE program is intended for ASP members, registered for the congress, who are licensed pharmacists residing in states with mandatory CE requirements. Credit will be given for the nine symposium lectures. Information and registration for the CE program will be available at a special table set up during on site registration for the congress. Certificates will be provided for registered CE program participants.

A nominal fee of \$5.00 will be charged for participation in the CE program.

## SOCIETY BUSINESS

### RECIPIENTS IDENTIFIED FOR ASP RESEARCH AWARD PROGRAM

This first year of the ASP Research Awards Program has proven to be quite successful with awardees being identified in each of the categories offered.

1. ASP Travel Grants for Active Members. These awards go to members of the Society within the first five years of assuming their first professional position. The grants are \$500.00 each for the recipients to present results of their research at the ASP annual meeting. This year's recipients are:

1. Cedric J. Pearce - University of Connecticut
2. Gert M. Laekeman - University of Antwerp, Belgium
3. Chun-tao Che - University of Illinois

2. ASP Travel Grants for Graduate Students: These awards are given to graduate students under the supervision of a Society Member to present a paper at the annual meeting. Each award is for \$250.00. This year's winners are:

1. Jan D. O'Neil - Idaho State University
2. Frank Filippelli - University of Iowa
3. Ilan Feverstein - Hebrew University of Jerusalem
4. Cesar M. Compadre - University of Illinois

3. ASP Undergraduate Research Awards: These awards are provided to undergraduate students interested in investigating a career in natural products research. The awards are to be used to accomplish a research project under the direction of a Society Member the summer previous to the last year of the student's academic program leading to the B.S. or Pharm.D. Degrees. This year's winners are:

Michael S. Keyes, School of Pharmacy, Temple University, Philadelphia, PA. Advisor: Joy B. Reighard. Topic: A Study of the Microbial Transformation of Diphenhydramine HCl.

Jeanne Lyon, College of Pharmacy, University of Texas at Austin. Advisor: David E. Thurston. Topic: Optimization of the Production of Clazamycin, an Antitumor/Antiviral Antibiotic from *Streptomyces puniceus*.

Congratulations to all award winners!

## TELLER'S REPORT

The Tellers' Committee has indicated the results of the 1984 ASP Election as follows:

Vice President: James D. McChesney

Executive Committee Member (1985-88): A. Douglas Kinghorn

Secretary: William J. Keller

Proposed Amendment to the Constitution (To change the office of Treasurer from the present three-year elected term to a five-year appointment): Passed

A Total of 251 ballots (186 North America and 65 non-North American) were received and counted.

## FUTURE MEETINGS

### FUTURE ASP MEETINGS

1986 - University of Michigan

1987 - University of Rhode Island

1988 - University of Utah

1989 - University of Puerto Rico

### PHYTOCHEMICAL SOCIETY OF EUROPE FUTURE MEETINGS

Plant Flavonoids in Biology and Medicine, July 22-26, 1985, Buffalo, New York, U.S.A. For information contact: Dr. Vivian Cody, Medical Foundation of Buffalo, Inc., 73 High Street, Buffalo, NY 14203 U.S.A.

### OTHER MEETINGS OF INTEREST

Gordon Research Conference on Natural Products, July 23-27, 1985, New Hampton School, New Hampton. For details contact: Alexander Cruickshank, Director, Gordon Research Conferences, University of Rhode Island, Kingston, Rhode Island 02881 U.S.A. Phone: (401) 783-4011

Tenth International Congress of Heterocyclic Chemistry, August 11-16, 1985, University of Waterloo, Ontario, Canada. For Information: 10th ICHC, The Guelph-Waterloo Centre for Graduate Work in Chemistry, University of Waterloo, Ontario, Canada N2L 3G1, Phone: (519) 885-1211, Ext. 2084.

45th International Congress of Pharmaceutical Sciences of the International Pharmaceutical Federation (F.I.P.), September 2-6, 1985, Montreal, Quebec, Canada. For details contact: Professor Jacques Gagne, Doyen, Faculte de Pharmacie, Universite de Montreal, C.P. 6128, Succursale A, Montreal, Quebec, Canada H3C 3J7.

The XXIIth International Congress of the "Société de Chimie Thérapeutique", September 11-13, 1985, REIMS, France. The three selected topics include: Antiarrhythmic drugs, natural products of therapeutic interest, and enzyme's inhibitors as a tool for new drugs. For details: "XXI èmes Recontres Internationales de Chimie Thérapeutique", Faculté de Pharmacie, 51 rue Cognacq Jay, F. 51096, REIMS, Cédex. Phone: (26)062613 poste 386.

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## MEMBERSHIP

(Continued from page 2)

The 33rd Annual Meeting of the "Gesellschaft für Arzneipflanzenforschung", September 23-28, 1985, University of Regensburg, D. For further information contact: Professor Dr. G. Franz, Pharmaceutical Institute, University of Regensburg, Universitätsstr. 31, D-8400, Regensburg. Phone: 0941-943-4760. Telex: 06 5658.

International IUPAC-Symposium on Organic Chemistry of Medicinal Natural Products, November 10-13, 1985, Shanghai, China. For details contact: Secretariat Bank Court Chambers, 2-3 Pound Way, Cowley Centre, Oxford OX4 3YF, England.

## SOCIETY NEWS

### MARK THURMAN GILL RECEIVES KILMER PRIZE

For the third consecutive year, a Purdue student has been chosen as the recipient of the Kilmer Prize. This year's winner, Mark Thurman Gill, is a Student APhA member and a senior pharmacy student at Purdue University School of Pharmacy and Pharmacal Sciences. Mark's award winning paper was entitled: "3,3',5'- and 4, 3',5'- Trimethylpiceatannols: Improvements over Piceatannol in Bioactivity." His research was conducted under the supervision of Jerry L. McLaughlin, Professor of Pharmacognosy at Purdue.

As the Kilmer Prize winner, Gill received the gold Kilmer Key which was presented at the 1985 APhA Annual Meeting in San Antonio, Texas during the Academy of Pharmaceutical Sciences awards ceremony on Monday, February 18, 1985. The winning paper was presented during the APS Medicinal Chemistry and Pharmacognosy Section Poster Session on February 19. Congratulations Mark!

### SOCIETY MEMBER RECEIVES NATIONAL PRIZE OF D.D.R. FOR WORK IN NATURAL PRODUCTS

Dr. Detlef Gröger was awarded the National Prize of the D.D.R. for his work in natural products. The citation, translated from the German, reads as follows:

"Pharmacy councillor Prof. Dr. Habil. Detlef Gröger for his distinguished performance in the area of the biochemistry of secondary plant constituents, the National Prize of the German Democratic Republic, Class III, for Science and Technology, awarded Berlin, October 7, 1984."

This award was personally awarded by Chairman Erich Honecker.

Congratulations Dr. Gröger!

### SOCIETY MEMBER TO RETIRE

Melvin R. Gibson, Ph.D., Professor of Pharmacognosy at Washington State University will be retiring after 36 years of service to that university. Dr. Gibson has recently been elected an honorary member of the American Foundation for Pharmaceutical Education and has received an honorary doctorate from the University of Nebraska. Congratulations Dr. Gibson, and best wishes in your retirement.

### BEST WISHES

Best wishes for a speedy recovery to Joseph Schradie, Ph.D., University of Toledo who suffered a heart attack this winter.

See You In  
CHAPEL HILL!

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 \$35.00 per year. If airmail is requested, the dues are \$60.00.

#### Associate Membership

Associate membership is open to students of pharmacognosy and allied fields. These members are not accorded voting privileges, and dues are \$25.00 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, Ohio State University  
Dr. Jonathan L. Hartwell, Washington  
Dr. R. Hegnauer, Leiden, Netherlands  
Dr. Albert Hofmann, Switzerland  
Dr. Arthur E. Schwarting, Florida  
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 - \$1000.00 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 Pharmacognosy  
512 Salk Hall  
University of Pittsburgh  
Pittsburgh, PA 15261 U.S.A.

## BOOKS OF INTEREST

"The Chemistry of Natural Products," R.H. Thomson, Ed., Gerard Dummett, Blackie Publishing Group, Bishopbriggs, Glasgow, G64 2NZ, U.K., 468 pp. L46.00, 1984.

"Bioregulators: Chemistry and Uses," Robert L. Ory and Falk R. Rittig, Ed., ACS Symposium Series No. 257. Orders may be placed to the American Chemical Society Distribution Office, 1155 Sixteenth St., N.W., Washington, D.C. 20036. 283 pp., \$44.95, 1984.

"Nuclear Magnetic Resonance Spectroscopy," P. Sohar, Ed., Three volume set. (Theory through structure determination) CRC Press, Inc., 2000 Corporate Blvd. N.W., Boca Raton, Florida 33431, over 1000 pages, \$285.00, 1983.

"Chemical Ionization Mass Spectrometry," A.G. Harrison, CRC Press, Inc., 2000 Corporate Blvd., N.W., Boca Raton, Florida 33431, 168 pp., \$60.00, 1983.

"The Alkaloids: Chemistry and Pharmacology," Vol. 23, A. Brossi, ed., Academic Press, 399 pp., \$85.00, 1984.

"Analytical Profiles of Drug Substances," Vol. 13, K. Florey, ed., Academic Press, 771 pp., \$46.50, 1984.

## NEW MEMBERS

The ASP is pleased to welcome the following new members:

New Full Members:	Yoshimitsu Nagao Kyoto University
Glenn D. Appelt University of Colorado	Douglas G. M. Nicholson Transvaal, S. Africa
Raymond E. Bowkley Wilcox Drug Co.	Jürg R. Pfister Syntex Research
Richard W. Burg Merck and Co., Inc.	Peter Proksch University of Köln
Ray Cooper Schering Corp.	Mahendra Sahai Weizmann Inst. of Science
Muu N. Do Northeastern Univ.	Francis J. Schmitz University of Oklahoma
Joe W. Dorner USDA	David Zvi Simon University of Montreal
Marie-Aleth Dubois University of Dijon	Amos B. Smith, III Univ. of Pennsylvania
Gérald Favreau Université Laval	George S. Stoudt University of Colorado
Michael E. Garst Allergan Pharmaceuticals	Michael Sworin University of Missouri
Thomas W. vonGeldern Stanford University	Therezinha C.B. Tomassini Brazilian University
William Gerwick Oregon State University	M. Vanhaelen University of Brussels
Florence K. Gleason University of Minnesota	Thomas G. Waddell University of Tennessee
Manuel Gonzalez-Sierra University of Rosario	Thomas H. Williams Hoffmann La Roche

Animesh Goswami  
University of Iowa

Yohei Hashimoto  
Nishinomiya, Japan

Taddei Italo  
University of Siena

Alan P. Kozikowski  
University of Pittsburgh

Gordon C. Lawrence  
Glaxo Group Research

R. Daniel Little  
University of California

Wen Wen Ma  
Purdue University

Andriantsiferana Marta  
University of Madagascar

Trevor C. McMorris  
University of California

Mahmut Miski  
Univ. of Texas at Austin

New Associate Members:

Jon Anderson  
Purdue University

Jose Augusto Cabral  
University of Mississippi

Aulena Chaudhuri  
Northeast Louisiana U.

Steve Matthe David  
Johannesburg, S. Africa

Douglas A. Gage  
Univ. of Texas at Austin

Friedhelm Kirchfeld  
College of Neuropathic Med.

Donal O'Mathúna  
Ohio State University

Joan M. Rovinski  
Va. Commonwealth Univ.

Keith M. Witherup  
Purdue University



Norm Farnsworth, Lynn Brady, and Ana Rother help with the entertainment in Austin, August, 1984.

## ASP Newsletter

### American Society of Pharmacognosy

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FIRST CLASS MAIL