



ASP Newsletter

The American Society of Pharmacognosy

VOLUME 19, NUMBER 2

OCTOBER, 1983

FROM THE EDITOR

The July issue of the ASP Newsletter was quite well received. I wish to take this time to thank all of you who contributed to Volume 19 and to those of you who gave constructive criticism and favorable comments of the July issue.

Do not forget to submit any contributions which you feel will be of interest to your colleagues. This may include letters to the editor, selected editorials, new appointments and promotions, grant information, and position openings as well as any of the categories that you find in this issue of the Newsletter. This material should be sent to:

Dr. Joy B. Reighard, Editor
ASP Newsletter

Temple University School of Pharmacy
3307 N. Broad St.
Philadelphia, PA 19140 U.S.A.
Phone: (215) 221-4950

Thank you in advance for your support and your contributions. Material for the next issue should reach my office no later than December 15, 1983.

Traditional Review and Recognition of Outgoing-President McLaughlin's Accomplishments Oxford, Mississippi July 27, 1983

A gavel made of lignified vessel elements of Rhamnus purshiana DeCandolle is the symbol of authority in the Society. It has become an annual tradition to purify the Society through a purge of the President. If the President is found worthy upon independent and unbiased review of his/her major accomplishments, he/she is presented a replicate gavel in remembrance of the momentous movement.

Norman Farnsworth and I have experienced acrimonious abuse in the conscientious discharge of our duties, but we have persevered. Our review of President McLaughlin's record definitely identified an interest in nature and natural products, but frankly speaking the decision on merit this year was a close call. Our audit revealed some problems in the implementation of Jerry's programs for the Society and perhaps even a problem with judgement on occasion.

For example, his interests in cacti and marine biology are well known, but his precipitous proposal to rename the organization The Cactus and Piscatorial Society was a bit of

a shocker. The Executive Committee deliberated on this proposal in typical ivory-towered fashion with the obvious results (no action).

In the interest of full disclosure of our findings relative to Jerry's cactus work, we must note the matter of a mysterious suitcase and some rumor about being a fugitive from the State of Arizona.

On the surface it would appear that Jerry should be congratulated for his efforts to introduce novel potato and brine shrimp assays. Such rapid, simple, inexpensive assays seem laudable, but some question arises about his ulterior motive. We were unable to confirm what happens to the leftovers. We were told that the recipe for his squirrel ragout was secret.

Extensive reviews nearly always reveal little known facts. Perhaps President McLaughlin's plant pyrolytic experience is in this category. This is recorded in his notebook as the green Martian experiment. Since the report from an impeccable source reveals the lack of complete mastery of the procedure, we are departing from past precedent this year. Instead of presenting Outgoing-President McLaughlin with a "thunder stick", Norm and I are going to give him tutorial lessons in how to chew and smoke cigars.

[President McLaughlin was escorted to the podium by Dr. Farnsworth where he was awarded a training cigar (cheap) and given an introductory lesson.]

This act of remembrance is not as big a departure from past years as it might seem; traditional cascara products are well known to stimulate evacuation. The 1983 approach could be conceived merely as a change in orifice. (The ceremony was concluded with the presentation of the replicate gavel)

Reported for the record by Lynn Brady

ASP BUSINESS

Journal of Natural Products Annual Report

Editor Jack L. Beal and his assistant Editor Earlene Beal have been in charge of the Journal for seven years. Since they took over the task, the Journal has really grown. From 121 in 1977, the number of manuscripts received has more than doubled to 273 received in 1982. The number received for the first six months of this year is already indicating another record year.

The Society wishes to thank Jack and Earlene for their seven years of hard work. They certainly have done a tremendous job! As a token of appreciation, the Society has presented Jack and Earlene with an all-expense paid vacation to Hawaii. Aloha!

(Continued on page 2, column 1)

Changes in the Journal of Natural Products

Dr. James E. Robbers, the new editor for JNP has announced several changes in the Journal. There is now an editorial team which will process the manuscripts. This team consists of:

Editor, James E. Robbers, West Lafayette, IN
 Associate Editor and Book Review Editor,
 David G.I. Kingston, Blacksburg, VA
 Associate Editor,
 Jerry L. McLaughlin, West Lafayette, IN
 Managing Editor, Susan C. Stites, Columbus, OH
 Editor's Secretary,
 Virginia M. Tyler, West Lafayette, IN

In the processing of manuscripts, all manuscripts will be received and reviewed by the editor who will determine if the work is suitable for the Journal. If this is questionable, he will consult with the associate editors. When it has been determined that a manuscript meets the Journal's criteria, it will be distributed to one of the associate editors or kept by the editor. (Each of the editors will be assigned 1/3 of the manuscripts) The assigned editor will then distribute the manuscript to referees for evaluation and will have the responsibility for determining its acceptability for publication.

Accepted manuscripts will be returned to the editor's office, and his secretary will check for correct grammar and punctuation. The manuscript will then be sent to the managing editor who will mark the manuscript for the printer and will be in charge of galley proofs, pageproofs, reporting to the treasurer of the Society for billing of reprints and page charges, and preparing the volume index.

New Members

Thanks to the hard work of the Membership Committee (Paul L. Schiff, Jr., Chairman, John H. Cardellina, II, David P. Carew, and Leonard R. Worthen) the Society has increased by 133 members in the last year. This gives the Society a total of 653 members as of July 18, 1983.

New Awards to be Offered

The Awards and Funds Committee (Joseph E. Knapp, Chairman, David J. Slatkin, and Charles H. Phoebe, Jr.) has been charged with the duty of considering various options for awards to be given by the Society to support and promote research in natural products. The Committee is looking at three basic areas for the distribution of these awards: 1) undergraduate research projects 2) graduate student awards 3) young investigator grants. As the Committee makes some decisions in regard to these awards, you will be notified.

Nominations

The Nominating Committee (David P. Carew, Chairman, Lynn R. Brady, and Robert J. Krueger) presented a slate of nominees to the membership at the annual meeting in Mississippi.

Vice President: Geoffrey Cordell and Yuzuru Shimizu
 Executive Committee: Charles Hufford and
 David G.I. Kingston
 Treasurer: John D. Leary and David J. Slatkin

The ballot for this election will be sent out this fall, and the new officers will be installed at the Annual Meeting in Austin, Texas in 1984.

Kilmer Prize

The Kilmer Prize for meritorious work in pharmacognosy and natural products is awarded annually by the American Pharmaceutical Association Academy of Pharmaceutical Sciences Section on Medicinal Chemistry and Pharmacognosy. The award is available to both undergraduate and graduate students in schools or colleges of pharmacy. The prize consists of a gold key, and a \$300.00 honorarium from the American Society of Pharmacognosy. APhA makes available up to \$300.00 for the recipient to attend the APhA Annual Meeting where the award is presented.

Papers may be submitted for consideration and are due by December 1, 1983. Further information may be obtained from college of pharmacy deans or from the APhA Academy of Pharmaceutical Sciences, 2215 Constitution Avenue, NW, Washington, DC 20037 USA.

FUTURE MEETINGS

Future ASP Meetings

1984 - Austin, Texas, August 19-23. The scientific theme is proposed to be "Biotechnology in Natural Products Research." There will also be a restricted registration mini-meeting planned for August 23-24 at the University of Texas Marine Science Institute in Port Aransas, Texas. More information in future newsletters.

1985 - Chapel Hill, North Carolina, July 7-12. This meeting is now known as the International Research Congress on Natural Products. In addition to ASP, several other organizations will be participating: the Phytochemical Society of Europe (PSE), the Gesellschaft für Arzneipflanzenforschung (GA), and the Association Française Pour l'Enseignement et la Recherche en Pharmacognosie (AFERP). Topics of discussion will include: isolation and structure elucidation of new bioactive natural products, biosynthesis of natural products, and synthesis and structure-activity relationships of natural products.

1986 - University of Michigan

1987 - University of Rhode Island

Phytochemical Society of Europe Future Meetings

Genetic Manipulation in Plants and its Application to Agriculture - Birkbeck and University College, London. December 19-20, 1983. Poster papers may be submitted to: Dr. P.J. Lea, Department of Biochemistry, Rothamsted Experimental Station, Harpenden, AL5 2JQ, U.K. Information concerning accommodations may be obtained from: Professor G.R. Stewart, Department of Botany, Birkbeck College, University of London, London WC1E 7HX, U.K.

Recent Advances In the Chemistry and Biology of Isoquinoline Alkaloids, School of Pharmacy, London, April 16-18, 1984. Details may be obtained from Dr. J.D. Phillipson, Department of Pharmacognosy, School of Pharmacy, 29-39, Brunswick Square, London, WC1N 1AX, U.K.

(Continued on page 5, column 1)

We ask your cooperation in aiding the scientific and local program committees for future annual meetings by completing the following questionnaire. Please check the line preceding your response for each question. Fold the insert with the address on the outside, staple, affix the proper postage, and return to the editor by December 15, 1983. Thank you very much for your help.

1. Length of annual meetings:

Meetings in the recent past have been 3½ to 5½ days in length:

- 1978 - Oklahoma - 3½ days
- 1979 - Purdue - 3½ days
- 1980 - France - 5½ days
- 1981 - Boston - 4½ days
- 1982 - Pittsburgh - 4 days
- 1983 - Ole Miss - 3½ days

What is your preference as to the length of the meetings? Please check more than one line if applicable.

- 3 days
- 3½ days
- 4 days
- 4½ days
- 5 days
- 5½ days
- Other _____
- no preference

Comments:

2. Evening sessions:

At Ole Miss this year there was an evening poster session to help cut down the length of the meeting. Would you agree to evening sessions in future meetings to help keep the length down?

- yes
- no

Comments:

3. Dates of the meetings:

Some people are restricted by prior obligations as to *when* they can attend annual meetings. In the past our meetings have been from early July to mid-August.

Which of the following times do you prefer for future meetings? Please check more than one if applicable.

- early June mid July late August
- mid June late July other
- late June early Aug. no
- early July mid August preference

Comments:

4. Paper presentation:

In the recent past we have most often had both oral and poster papers presented at annual meetings. In 1978 (Oklahoma) *only* poster papers were presented. What is your preference on this issue?

- ALL oral presentations
- ALL poster presentations
- Mixed oral and poster presentations

Comments:

5. Number of symposium speakers:

Over the past six years, the number of symposium speakers at the annual meeting has varied from four in Ole Miss (1983) to 24 plenary lectures in France (1980). In attending the symposia, what number of lecturers do you prefer? Please check more than one if applicable.

- | | | |
|-----------------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> 4 | <input type="checkbox"/> 12 | <input type="checkbox"/> 20 |
| <input type="checkbox"/> 6 | <input type="checkbox"/> 14 | <input type="checkbox"/> 22 |
| <input type="checkbox"/> 8 | <input type="checkbox"/> 16 | <input type="checkbox"/> 24 |
| <input type="checkbox"/> 10 | <input type="checkbox"/> 18 | <input type="checkbox"/> 26 |

Other:

Comments:

6. Concurrent sessions:

If we run into a problem with time and scheduling, would you be **OPPOSED** to running concurrent sessions? (We have NOT done this in the last six years!)

- Yes
- No

Comments:

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 include a subscription to the official journal of the Society, Journal of Natural Products, and to the ASP Newsletter. Dues are \$35.00 per year or \$55.00 per year if air mail is required.

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields; dues include a subscription to the ASP Newsletter and the Journal of Natural Products, however, these members are not accorded voting privileges. 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 services to pharmacognosy, and receive complementary subscriptions to the Journal of Natural Products and the ASP Newsletter. Honorary members are eligible to vote, but are not eligible to hold either appointed or elected offices. Although the Constitution allows for 12 Honorary members, at the present time, the society has only five:

Dr. Jonathan L. Hartwell, Washington, D.C.
 Dr. R. Hegnauer, Leiden, Netherlands
 Dr. Albert Hofmann, Switzerland
 Dr. Arthur E. Schwarting, Florida
 Dr. Heber W. Younkin, University of Rhode Island

Any nominations you may have for honorary memberships should be submitted to:

Ralph N. Blomster, Ph.D.
 University of Maryland
 School of Pharmacy
 Medicinal Chemistry/Pharmacognosy Department
 636 W. Lombard St.
 Baltimore, MD 21201 USA.

Patron, Sustaining, and Benefactor Memberships

These memberships are open to any person or organization wishing to support the aims and objectives of the Society. The memberships are formally approved by the Membership and Executive Committees of the Society and the names of all members in these categories are recognized in the Journal of Natural Products. Each member receives the Journal and the ASP Newsletter. 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
 School of Pharmacy
 University of Pittsburgh
 Pittsburgh, PA 15261 USA

Joy B. Reighard, Ph.D., Editor
ASP Newsletter

Temple University School of Pharmacy
 3307 N. Broad St.
 Philadelphia, PA 19140 USA

The Biochemistry of Plant Phenolics, University of Ghent, Belgium, August 28-31, 1984. Details may be obtained from Professor C.F. Van Sumere, Laboratory of Plant Biochemistry, University of Ghent, Ledeganckstraat 35, 9000, Ghent, Belgium.

The American Association for the Advancement of Science Annual Meeting, May 24-29, 1984, New York, New York.

Symposium on Chinese Medicinal Plant Research, June 11-13, 1984, The Chinese University of Hong Kong. For more information contact: Miss Grace Poon, Department of Chemistry and Chinese Medicinal Materials Research Centre, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

MEETING REPORTS

1983 ASP Meeting

The 24th Annual Meeting of The American Society of Pharmacognosy was hosted by the University of Mississippi at Oxford, Mississippi from July 24th to the 28th. Approximately 100 registrants were present for the event which included the symposium "Recent Advances in Structure Elucidation of Natural Products." This symposium was made up of stimulating talks by four noted researchers: Dr. John D. Roberts, Dr. James Shoolery, Dr. Catherine Fenselau, and Dr. R. Graham Cooks. The audience was awed by the discussions of ^{15}N NMR, two-dimensional NMR, and 600 MHz NMR's in addition to fast atom bombardment mass spectrometry and tandem mass spectrometry. Many of us were disappointed to return to our 60 MHz NMR's and our electron impact mass spectrometers.

The meeting also included interesting talks by Drs. Swarn N. Anand and Nitya Anand from the Central Drug Research Institute in Lucknow, India.

Our own members also contributed to the scientific portion of the meeting by presenting 65 podium and poster papers.

The meeting was also highlighted by a Southern style fish fry, and a visit to the Maynard W. Quimby medicinal plant gardens. These were quite enjoyable.

All-in-all, the meeting was quite successful, thanks to the hard work of the scientific and local committees: Scientific: James D. McChesney, Chairman, Charles D. Hufford, Patrick J. Davis, Mahmoud A. Elsohly, Alice M. Clark, *ex officio*, and Larry W. Robertson, *ex officio*. Local Program Committee: Alice M. Clark, Chairman, Farouk S. El-Ferally, and Hala N. Elsohly.

Congratulations on a job well done!

SOCIETY NEWS

Obituaries

We are all saddened to learn of the death of Professor František Šantavý, M.D., Ph.D., on March 27, 1983, at the age of 67. He was the emerited Director of the Institute of Medicinal Chemistry, Medical Faculty of the Palacký University in Olomouc, Czechoslovakia. Dr. Šantavý's research interests focused on the alkaloids of the plants in the subfamily Wurmbaeoideae (Colchicum and related plants), the family Papaveraceae, and the genus Senecio (Asteraceae). Professor Šantavý authored

and co-authored some 400 scientific papers, and contributed to the work in several books. He had served on the advisory boards of several journals and received numerous awards for his outstanding research. In 1970 he was elected an honorary member of the ASP.

New ASP Members

We are pleased to welcome the following new members to the society:

New active members:

- | | |
|---|---|
| Dr. Shigeru Arichi
Kinki University
Osaka, Japan | Dr. Ngo Le-Van
Monsanto Agriculture Prod.
St. Louis, MO |
| Dr. John T. Arnason
University of Ottawa
Biology Department | Dr. Manuel E. Moya-Portuguez
Universidad Nacional
Heredia, Costa Rica |
| Dr. Norman S. Bhacca
Louisiana State Univ.
Department of Chemistry | Dr. Cedric J. Pearce
University of Connecticut
School of Pharmacy |
| Mr. Stephen M. Burger
Wild Rose Herb Co., Ltd.
Calgary, Alberta, Canada | Dr. Sunibhond Pummangura
Chulalongkorn University
Bangkok, Thailand |
| Dr. Chen-Yu Cheng
Claymont, Delaware | Dr. Zdeněk Řeháček
Institute of Microbiology
Prague, Czechoslovakia |
| Dr. Richard J. Cole
National Peanut Research
Dawson, Georgia | Dr. Stephan Schmidt
Munster
Federal Republic of Germany |
| Dr. Rick C. Heupel
U.S.D.A.-A.R.S.
Berkeley, California | Dr. Michael B. Smith
Univ. of Connecticut
Department of Chemistry |
| Dr. J.M. Jacyno
University of Richmond
Chemistry Department | Dr. Aldo Torre-Florenzano
Colonia Universidad
San Luis Potosi, Mexico |
| Dr. Robert A. John
Addis Ababa University
Addis Ababa, Ethiopia | Dr. Coy Waller
Univ. of Mississippi
Res. Inst. of Pharm. Sciences |
| Dr. Alfred Katz
Holbein Apotheke
Basel, Switzerland | Dr. Musa H. Abu Zarga
University of Jordan
Amman, Jordan |
| Mr. John R. Kern
SRI International
Menlo Park, California | New Associate Members:
Hitesh P. Chokshi
University of Georgia |
| Mr. Michael J. Knox
Division of Agriculture
Arizona State Univ. | Steve Drake
University of Kansas |
| Dr. S. Mark Lee
U.S.D.A.-A.R.S.
Berkeley, California | Edilberta R. Silveira
University of Mississippi |

Herb Research Foundation Organized

The Herb Research Foundation has been organized as a non-profit research and educational foundation, to collect and disseminate information, and to fund research on common botanicals and herbal products, including herbal teas. The Foundation's research will be conducted by leading plant researchers, pharmacologists and medical doctors. It will provide reliable current information to members through Herb News magazine and Herbalgrams. Research will focus on the Botany, Chemistry, and Pharmacology of herbal products.

The goals of the HRF are:

To encourage and SUPPORT research on common botanicals in popular use

To educate users of herbal folk medicines - including professional users - with current research information

To help professionalize the herb industry through education

To provide accurate and reliable information to the public and press, about herbal teas, folk medicines and other botanical products

For further information, contact: Herb Research Foundation, 1780 55th St., Boulder, CO 80301 USA

BOOKS OF INTEREST

"Plantas Medicinales de Puerto Rico, Folklore y Fundamentos Científicos," Esteban Nunez Melendez, University Press of the University of Puerto Rico, University Station, Box X. Rio Piedras, Puerto Rico 00931, 498 pp. \$12.00. The first part includes those plants which are more commonly used. This includes color pictures of the plants and shrubs and drawings of the trees. The second part includes those which are less common and does not contain photographs. Each monograph includes scientific and common names, description, constituents, and scientific principles.

"Alkaloids: Chemical and Biological Perspectives," Volume 1, S. William Pelletier, Editor, Wiley-Interscience, a division of John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158 USA, 1983, 432 pp., \$60.00. This volume deals with several alkaloid areas: arthropod alkaloids, tobacco alkaloids, diterpenoid alkaloids, and indole alkaloids. A new volume in this series will be published every 12 to 18 months.

ASP DEMOGRAPHICS

The following is a list of the number of active and associate members in each country as of June, 1983.

Argentina-2	Ghana-1	Peru-1
Australia-9	Greece-4	Philippines-5
Austria-2	Haiti-1	Poland-1
Belgium-3	Hong Kong-1	Rwanda-1
Brazil-7	Hungary-1	Saudi Arabia-6
Canada-20	India-7	So. Africa-1
Cameroon-1	Indonesia-2	Somalia-1
Chile-1	Iran-3	Spain-8
China-7	Ireland-2	Sri Lanka-1
Columbia-2	Israel-2	Sweden-3
Costa Rico-1	Italy-13	Switzerland-7
Cyprus-1	Japan-27	Turkey-5
Czechoslovakia-2	Korea-10	U.K.-11
Denmark-2	Mexico-8	Uruguay-1
Dom. Rep.-2	Netherlands-9	USA-354
Egypt-7	Nicaragua-1	Venezuela-4
El Salvadore-1	Nigeria-6	W. Indies-1
France-19	Norway-1	Zaire-1
Ger. D.R.-2	Pakistan-1	
Ger. F.R.-20	Panama-1	

The demographics in the USA, state-by-state is as follows:

Alabama-1	Louisiana-2	Ohio-13
Alaska-0	Maine-0	Oklahoma-3
Arizona-5	Maryland-18	Oregon-6
Arkansas-0	Massachusetts-14	Pennsylvania-30
California-28	Michigan-9	Puerto Rico-3
Colorado-3	Minnesota-5	Rhode Island-4
Connecticut-7	Mississippi-9	South Carolina-2
Delaware-0	Missouri-4	South Dakota-0
D.C.-6	Montana-4	Tennessee-1
Florida-10	Nebraska-1	Texas-19
Georgia-13	Nevada-0	Utah-6
Hawaii-2	New Hampshire-0	Vermont-0
Idaho-2	New Jersey-17	Virginia-7
Illinois-34	New Mexico-0	Washington-6
Indiana-15	New York-27	West Virginia-1
Iowa-3	North Carolina-7	Wisconsin-3
Kansas-3	North Dakota-0	Wyoming-0
Kentucky-1		

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Joy B. Reighard, Ph.D., Editor
Temple University School of Pharmacy
3307 N. Broad Street
Philadelphia, PA 19140 U.S.A.
Phone: (215) 221-4950

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DR. JAMES E. ROBBERS
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W. LAFAYETTE, IN 47907