



NEWSLETTER

A PUBLICATION OF THE AMERICAN SOCIETY OF PHARMACOGNOSY - EDITED BY MELVIN R. GIBSON

WASHINGTON STATE UNIVERSITY, PULLMAN, WASHINGTON

Volume 4, 1967
Number 2

Annual Meeting and Teachers' Seminar. The Eighth Annual Meeting of the Society will be held on the campus of the University of Michigan June 26 and 27. In addition to the business meeting, the program will consist of contributed papers on original research. The Teachers' Seminar on Pharmacognosy, held under the auspices of the AACP and sponsored by the American Foundation for Pharmaceutical Education, will be on the University of Michigan campus immediately following the Society meeting. This will be June 28-30. Detailed registration and housing information probably will reach Society members before this Newsletter. The Seminar has been titled "Interrelationships Among Pharmacognosy and Other Pharmaceutical Sciences."

Drugs from the Sea Symposium. The University of Rhode Island departments of Pharmacognosy and Pharmacology will host a symposium August 27, 28, and 29, 1967 on "Drugs from the Sea." The symposium will be sponsored by the Marine Technological Society, the Bio-Instrumentation Advisory Council of the American Institute of Biological Sciences, and the University of Rhode Island. Dean Heber W. Youngken, Jr. of the University of Rhode Island and Hugo Freudenthal of C. W. Post College, Long Island University are in charge of the program. Papers on research dealing with marine organisms (plant and animal) are invited. Registration will be held Sunday, August 27, to be followed by a banquet with speaker that night. The Monday, August 28 session will be devoted to presentation of papers on "Botanical and Zoological Sources of Drugs from the Sea" and "The General Methods for Chemical and Pharmacological Evaluation." Dean Youngken will open the program with a statement of the problems. Ara DerMarderosian, PCP, will undertake a "Review of Certain Marine Plant Life for Drug Investigational Purposes." John M. Sieburth, URI professor of oceanography, will discuss his research on the antibiotic properties of marine organisms. "Problems in the Biological and Pharmacological Evaluation of Marine Organisms" will be outlined by John J. DeFeo, URI professor of pharmacology. Tuesday's featured speaker will be Bruce Halstead, director of the Internal Biotoxicological Center of the World Life Research Institute, Colton, California. Other speakers will include Sidney Upham, vice president and director of research at Marine Colloids, Inc., Rockland Maine; David Schwimmer of the Western Regional Research Laboratories of the U.S. Department of Agriculture, Albany, California; and Paul R. Burkholder, Lamont Geological Observatory, Columbia University. The symposium is open to all interested persons. Participants will be housed on campus in Kingston, Rhode Island.

University of Connecticut Symposium. A symposium on natural products chemistry will be held July 20 and 21. This symposium is supported by funds from the Pfeiffer Foundation and is being held in conjunction with the dedication of the Pharmacy Research Institute. Speakers will include E. E. Smissman (Kansas), J. D. BuLock (Manchester), Ulrich Weiss (NIH), J. H. Burckhalter (Michigan), W. I. Taylor (Ciba and The Rockefeller University), and C. J. Sih (Wisconsin). The program for the symposium also will include a half-day excursion to the Connecticut shore. Persons interested in attending, and in particular those who wish to reserve rooms, should contact at an early date Arthur E. Schwarting, School of Pharmacy, University of Connecticut, Storrs, Connecticut 06268.

Phytochemical Society Meeting. E. John Staba, University of Nebraska, gives notice of the annual meeting of The Phytochemical Society of North America (until 1967 known as The Plant Phenolics Group of North America) which will be held at the University of Wisconsin, Madison, August 24-26, 1967. The symposium topic is "Modern Instrumental and Chemical Approaches to Phytochemistry."

Pharmaceutical Society of Japan Meeting. Isao Inagaki, Nagoya City University, reports that the annual meeting of the Pharmaceutical Society of Japan was held April 7-10 at the University of Kyoto. In the section on pharmacognosy, pharmacognostic and chemical studies reports were presented on Buddleia officinalis, Edgeworthia chrysantha, Panax japonicum, P. j. f. dichrocarpum, Swertia japonica, S. pseudochinensis, S. randaiensis, Cannabis sativa, Coscinium fenestratum, Diospyros mollis, Zizyphus vulgaris var. inermis, Biota orientalis, Pharbitis nil, Morus alba, Cortaderia argentea, Arthraxon hispidus, Oplismenus undulatifolius, Agropyron tsukusiensis, Cassia tora, C. torosa, Achyranthes japonicum, Osmorrhiza aristata, Ligusticum sinense, Nothosmygium japonicum, Pieris elliptica, Pyrola japonica, Lycopodium clavatum, Piper futokadzura, Leonurus sibiricus, Glaucidium palmatum, Evodiopanax innovans, Gaillardia pulchella, Ophiorrhiza japonica, Nauclea orientalis, Scrophularia ningpoensis, Isodon japonicus, Adiantum pedatum, A. monochlamys, Trametes dickinsii, Adonis amurensis, Marsdenia cundurango, Corydalis, Coptis, Dioscorea, Fagara, Ardisia, Strychnos, and others. Also reported were studies on Thea, Aesculus, Styrax, Rhodea, Convallaria, Sasanqua, Camellia, Dioscorea, and Bupleurum sapogenins. A lecture on the newer results in hashish chemistry was given by F. Korte, University of Bonn.

Plant Exchange Club. Ikram Hassan, Fordham University, wishes to bring to the attention of ASP members of a suggestion for a very informal Boccone Club (named for one of Linnaeus' "Fundatores Botanici" Padre Boccone, O. Cist.). The proposed club would be formed to encourage the exchange of dried plant specimens. It would have no officers, no dues, and membership would be based on the willingness of members to exchange dried plant specimens. Those interested should contact Rev. A. M. Keefe, St. Norbert College, West DePere, Wisconsin. 3

Poisonous Plant Charts Available. Julia Morton, Director, Morton Collectanea, University of Miami, has arranged color photographs ($4\frac{1}{2} \times 4\frac{1}{2}$ ") and bold, definitive captions of forty-two Plants Poisonous to People in two wall charts, 23 x 35". Chart I: Primarily Causes of Internal Poisoning; Chart II: Primarily Causes of Skin and Respiratory Irritation. Order from Hurricane House, Publishers, 14301 S.W. 87 Avenue, Miami, Florida 33158. Charts are \$2.50 each plus .50 for shipping in mailing tube or both charts for \$5.00 postpaid.

Farnsworth Reports. Norman Farnsworth, University of Pittsburgh, is on sabbatical leave in Germany, and the Editor asked for comments on his activities. Farnsworth reports: "The purpose of my stay in München at the Institut für Pharmazeutische Arzneimittellehre is to conduct research on biologically active plant extracts that have come out of our indigenous plant screening program. Also I hope to become acquainted with the technology involved in the isolation of polyphenolic compounds, as well as other non-alkaloid entities. During January I had the opportunity to visit Berlin for a week and found time to visit Prof. Dr. Rudolph Hansel, Direktor of the Institut für Pharmakognosie of the Freie Universität Berlin. Also on April 21, I visited with Dr. Ivan Kompis (ASP member) at the Institute of Chemistry, Slovak Academy of Sciences, Bratislava, Czechoslovakia. While there I presented two lectures entitled 'The Search for New Drug Plants in the Amazon Jungles' and 'Biological Evaluation of Indigenous Plants of the U.S.A.' to the Slovak Chemical Society.

"The people over here are quite enthusiastic that there is a possibility that the ASP will hold its meeting in 1970 in Europe. There is some talk that at that time a 'European Society of Pharmacognosy' will be formed, or at least the groundwork will be laid for its formation.

"In June I will present two lectures at the Freie Universität Berlin and one at the Institut für Biochemie der Pflanzen at Halle/Saale."

Grants. Harlow Shapley, Chairman, Society of the Sigma Xi Grants-in-Aid of Research Committee, recently announced the awarding of a grant to Gerald Sullivan, University of Texas, for work on "A Phytochemical Investigation of Cocculus carolinus." . . . Monroe E. Wall, Research Triangle Institute, and Jack K. Wier, University of North Carolina, have received a \$1700 grant from the United Medical Research Foundation of North Carolina, Inc. in support of exploratory investigations into the biosynthesis of camptothecin by Camptotheca acuminata. . . . George H. Constantine, Jr., Oregon State University, has received a grant from the NSF Institutional Fund at Oregon State for \$1,150 to study steroid biosynthesis in higher plants. . . . Govind J. Kapadia, Howard University, has been awarded a two-year, \$21,770 NIH grant for research on natural products of medicinal significance. . . . Joseph Schradie, University of Toledo, and Gerald Sullivan, University of Texas, were awarded Mead Johnson Undergraduate Research Grants.

New Medicinal Garden. On Arbor Day, April 28, the College of Pharmacy at The University of Toledo had ceremonies to commemorate the initial planting of the Medicinal Garden of the R. A. Stranahan Arboretum. The garden will comprise one to two acres of the arboretum. Joseph Schradie is a member of the Arboretum Committee of the University and is in charge of the Medicinal Garden.

Personal. Sidney J. Stohs has been appointed assistant professor of pharmacognosy, University of Nebraska effective in September. He received his M.S. in pharmacognosy from the University of Nebraska and will receive his Ph.D. in biochemistry from the University of Wisconsin this summer. . . . Miss Pushpa Khanna has been appointed to a one-year postdoctoral fellowship at the University of Nebraska. She received her Ph.D. in plant physiology at the University of Oregon. . . . Takeshi Tabuchi, assistant professor of industrial microbiology at the Tokyo University of Education, will join the University of Connecticut pharmacy faculty as a fellow for a one-year period beginning June 15, 1967. . . . Kenneth L. Euler has resigned his position on the faculty of the University of Maryland and has accepted the appointment of assistant professor of pharmacognosy on the faculty of the University of Houston College of Pharmacy. . . . W. I. Taylor has been appointed Director, Biochemical Research, Ciba Pharmaceutical Company. . . . Leo A. Sciuchetti has resigned his position as professor of pharmacognosy and chairman of pharmacognosy at Oregon State University to accept a permanent position with the National Science Foundation as associate program director of the undergraduate student program. Sciuchetti had been at Oregon State since 1946. . . . C. L. Winek, Duquesne University, presented a paper at the 6th Annual Meeting of the Society of Toxicology on the toxicity of the genus Dieffenbachia. . . . Lee Schramm, University of Minnesota, attended the Program for the Western Hemisphere Conference on the Importance and Safety of Foods at Mayaguez, Puerto Rico, April 26-28. The Program was sponsored by the Biology Department of the University of Puerto Rico and the Environmental Engineering and Food Protection Division of NIH and was concerned primarily with food safety and food protection in its movement in the Western Hemisphere. . . . The Lee Schramm's announce the birth of their second child February 13, George Frederick. . . . It is with particular sadness that the Newsletter records the untimely death on February 21, 1967, of Daniel P. N. Tsao, University of Rhode Island. A memorial University scholarship fund is being established in his memory.

Books. Jerry L. McLaughlin, University of Missouri at Kansas City, recommends the booklet The Sinister Garden -- A Guide to the Most Common Poisonous Plants published by Wyeth Laboratories, 1966. . . . The Editor suggests the following books: Chromatography, Second Edition, Edited by Erich Heftmann (Reinhold, 1967, \$25). Chromatographic Methods by R. Stock and C. B. F. Rice (Barnes & Noble, \$7.50 cloth, \$4 paper). A Modern Herbal, Edited by C. F. Leyer (Originally published 1931, reprinted 1967, Stechert-Hafner, 2 vols. \$25 the set, Index of Latin Binomials, separately, paperbound, \$3.50). Hemes and Hemoproteins, Edited by Britton Chance, Ronald W. Estabrook, and Takashi Yonetani (Academic Press, 1967, \$13.75). Current Aspects of Biochemical Energetics, Edited by Nathan O. Kaplan and Eugene P. Kennedy (Academic Press, 1966, \$16.50). A Textbook of Pharmacognosy, Ninth Edition, by George Edward Trease and William Charles Evans (Bailliere, Tindall & Cassell, London, 1966, 75/, postage extra). Molecular Physics in Photosynthesis by R. K. Clayton (Ginn and Co., 1965, \$7.50). Venezuelan Orchids Illustrated by G. C. K. Dunsterville & L. A. Garay (Andre Deutsch, London; Museum

Books. (Continued) Books, New York, Vols. 1, 2, 3, and 4, \$20 per volume). The Origin of Cultivated Plants by Franz Schwanitz (Harvard University Press, \$4.75). Plant Diversification by Theodore Delevoryas (Holt, Rinehart and Winston, Inc., 1966, \$2.25 paper). Mescal and Mechanisms of Hallucinations by Heinrich Kluver (University of Chicago, 1967, \$3.95 cloth, \$1.50 paper). Methods and References in Biochemistry and Biophysics, Edited by Henry C. Damm (World, Cleveland, Ohio, 1966, \$12.50). The Pituitary Gland, Edited by G. W. Harris and B. T. Donovan (Vols. 1 and 2, Anterior Pituitary, Vol. 3, Pars Intermedia and Neurohypophysis, University of California Press, 1966, \$75). Molecules and Evolution by Thomas H. Jukes (Columbia University Press, 1966, \$8.50). Viruses of Plants, Proceedings of the International Conference, Wageningen, Netherlands, July, 1965, Edited by A. B. Beemster and Jeanne Dijkstra (North Holland, Amsterdam; Interscience, New York, 1966, \$12.75). Cell Synchrony. Studies in Biosynthetic Regulation, Edited by Ivan L. Cameron and George M. Padilla (Academic Press, 1966, \$15). A Dictionary of Botany: Including Terms Used in Biochemistry, Soil Science and Statistics by George Usher (Van Nostrand, 1966, \$10). Molecular Organization and Biological Function by John M. Allen (Harper and Row, 1966, \$9 cloth, \$5 paper). Ribonucleic Acid -- Structure and Function, Proceedings of the Second Meeting of the Federation of European Biochemical Societies, Vienna, 1965, Edited by H. Tuppy (Pergamon, 1966, \$5). Anticancer Agents by Frances E. Knock (Thomas, 1966, \$15.50). Biochemie und Physiologie der Alkaloide, An International Symposium Held at Halle/Saale, June, 1965, Edited by Kurt Mothes, Dieter Gross, Hans-Werner Liebisch, and Horst-Robert Schutte (Akademie-Verlag, Berlin, 1966). Chemical Carcinogenesis and Molecular Biology by Pascaline Daudel and Raymond Daudel (Interscience, 1966, \$7). Flora Palaestina. Vol. 1 Equisetaceae to Moringaceae, by Michael Zohary (Israel Academy of Sciences and Humanities, Jerusalem, 1966, 2 vols. \$30). Thin-Layer Chromatography, Second Edition, by Kurt Randerath (Translated from the German by D. D. Libman (Verlag Chemie, Weinheim; Academic Press, New York, 1966, \$9.50). Actions of Chemicals on Dividing Cells by B. A. Kihlman (Prentice-Hall, 1966, \$10). The Fungi: An Advanced Treatise. Vol. 2, The Fungal Organism, Edited by G. C. Ainsworth and Alfred S. Sussman (Academic Press, 1966, \$27). Taxonomy of Flowering Plants, Second Edition by C. L. Porter (Freeman, San Francisco, 1967, \$7.75). Antibiotics: Advances in Research, Production and Clinical Use, Proceedings of the Congress on Antibiotics, Prague, 1964, Edited by Milos Herold and Zdenek Gabriel (Czechoslovak Medical Press, Prague; Butterworth, Washington, D.C., 1966, \$21). Botanical Latin: History, Grammar, Syntax, Terminology and Vocabulary by William T. Stearn (Hafner, 1966, \$16.75). Cells and Tissues in Culture: Methods Biology and Physiology, Vol. 3, Edited by E. N. Wilmer (Academic Press, 1966, \$29). Data Relative to Sesquiterpenoids by G. Ourisson, S. Munavalli, and C. Ehret (International Tables of Selected Constants, No. 15. In English and French, Pergamon, 1966, \$13.50). Instrumentation in Biochemistry. A Symposium, London, 1966, Edited by T. W. Goodwin (Academic Press, 1966, \$5). Laboratory Handbook of Chromatographic Methods, Edited by O. Mikes (Translated from the Czechoslovakian, 1964 edition by Jindrich Liebster and R. A. Chalmers) (Van Nostrand, 1967, \$15).

Blackwell's, Broad Street, Oxford, England in their catalogs list the following books which may be of interest: A Source Book for the Biological Sciences by E. Morholt, P. F. Brandwein, and A. Joseph (1966, 7/-); The Genera of Flowering Plants, Edited by J. Hutchinson (Vol. 1, 1964, 16/6/-, Vol. 2, 1966, 16/6/-); Principles of Plant Biochemistry by V. L. Kretovich (1966, 15); An Evolutionary Survey of the Plant Kingdom by R. F. Scagel et al. (1966, 80/-); A Dictionary of Flowering Plants and Ferns by J. C. Willis (Seventh Edition, 1966, 16); Biochemical Studies of Antimicrobial Drugs, Edited by B. A. Newton and P. E. Reynolds (60/-); The Structure of Economic Plants by H. E. Hayward (Reprint of the New York 1938 edition) (Subscription price L 10/15/-; after publication 11/3/10/-).