



# NEWSLETTER

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Annual Meeting. The University of Vienna, Vienna, Austria will be the site of the Eleventh Annual Meeting of the American Society of Pharmacognosy which is to be held jointly with Die Gesellschaft Für Arzneipflanzenforschung on July 26-31, 1970. Plant Constituents with Cardiac and Circulatory Activity" will serve as the main topic of the scientific sessions. Titles of papers related to the main topic and general topics should be submitted by January 1, 1970 with the abstracts to be submitted by February 15, 1970 to Dean V. E. Tyler, School of Pharmacy and Pharmacal Sciences, Purdue University, W. Lafayette, Indiana 47907.

A premeeting Symposium on Pharmacognosy and Phytochemistry has been arranged by the University of Munich Institut für Pharmazeutische Arzneimittellehre for July 23-25.

AMDOC-ASP Project. The ASP-AMDOC Project Committee (Rusteen Medora, Maynard Quimby and Jerry McLaughlin) has sent the following plea in an attempt to secure the cooperation and help of the membership in the project. "A special ASP-AMDOC Project Committee has recently explored the possibilities of a cooperative venture, AMDOC (abbreviation for American Doctors) is a nonprofit, non-political, service organization of American Physicians. These men volunteer, for one month or longer financing their trips themselves, for assignments in city and backwoods' hospitals and clinics in Central and South America, the Far East, Southeast Asia and Africa. Approximately 130 AMDOC assignments are made per year to these areas. While on assignments AMDOC physicians, as well as resident physicians, occasionally observe folkloric remedies which truly merit some scientific investigation. The committee has designed a crude drug information form which is being supplied to these physicians through AMDOC, Inc. This form requests from the physician, information regarding plant identification and medicinal usage and also provides instructions for preparation and shipment of voucher herparium specimens and dried plant material for testing. These dried samples will be sent to Jerry McLaughlin who will serve as the distribution point for those ASP members interested in participating in the project. Phytochemical screening, using procedures of the participants discretion, is recommended.

A minimum of two pounds of dried material will be provided initially, but more material will be available from the AMDOC participants, if needed. If you are interested in screening some of this material, please contact -  
Dr. Jerry L. McLaughlin, 102 Bagley Hall, College of Pharmacy, University of Washington, Seattle, Washington 98105. This interesting project cannot succeed without your help!!!

British Meetings. Keith Swann, Department of Pharmacy, University of Manchester reports on the following meetings:

The British Pharmaceutical Conference: The following pharmacognosy papers were presented at the Conference held in Belfast in September 1969: Quantitative determination of emetine and cephaeline in Ipecacuanha root by M. S. Habib and K. J. Harkiss; Alkaloids of the leaves of Mitragyna inermis (Willd.) Oikuntze by E. J. Shellard and K. Sarpong; Morphology and anatomy of the flowers of Mitragyna inermis (Willd) O. Kuntze by E. J. Shellard and A. Wade; A chromatographic assay for male fern extract, by J. M. Calderwood, I. A. Cooper and F. Fish; Thin-layer chromatography and high voltage electrophoresis of quaternary alkaloids from Fagara species, by J. M. Calderwood and F. Fish; A punched card system for the rapid identification of powdered drugs and spices by F. Fish and P. F. Nelson.

FIP Meeting: Twenty-two papers were presented in the pharmacognosy section of the FIP meeting held in London, September 1969. These included reports of phytochemical investigations of Yucca glauca Nutt.; Trigonella foenigræcum L. and Balanites Aegyptica Del (steroidal sapogenins); Lupinus albus L., Anona cherimolla Mill and Romarin essence (essential oil constituents); Mitragyna, Fagara and Strychnos species (alkaloids); Salix species (leucoanthocyanidins, phenolic glycosides, imino acids); Urginea maritima Baker (cardiac glycosides); Asclepias syriaca and Lespedeza capitata Michx (flavonoids) and Nerium oleander L. Papers were also presented on the following topics: Anatomy of Nerium oleander L. grown in Egypt; In vitro biosynthesis of morphine by an organelle fraction from poppy latex; Correlation between chemical structures and Rf values in the TLC of some Strychnos alkaloids; and a method for the identification of alkaloid containing drugs by TLC after micro steam distillation.

During the Congress the medicinal plants section went on a one day botanical excursion, the day ending with a dinner which had as one of the guests the "father of British Pharmacognosists", Dr. T. E. Wallis.

Brazilian Symposium. The Brazilian Academy of Sciences held an International Symposium on Tropical American Natural Products in Rio de Janeiro in August 1969. One day conferences were held on: Phytochemistry, Invertebrate Chemistry, Pharmacology of Natural Products, and Brazilian Medicinal Plants.

APHA Research Achievement Awards. Nominations are being sought for the 1970 Research Achievement Awards sponsored by the APHA Foundation. The awards winners will receive a \$1,000 honorarium and travel expenses to the annual meeting in Washington where the awards will be presented.

Nominees must have made significant contributions to drug standards and assay, pharmacodynamics, natural products, physical pharmacy, the stimulation of research or pharmaceutical and medicinal chemistry.

Nomination forms are available from Research Achievement Awards, APHA Academy of Pharmaceutical Sciences, 2215 Constitution Avenue, N. W. Washington, D. C. 20037 and are due January 1, 1970.

Personal. Dr. Arthur E. Schwarting has accepted the position of Dean, College of Pharmacy, University of Connecticut, effective January 1, 1970... Professor Dr. O. H. Volk, Institute für Pharmakognosie der Universität Würzburg spent three months doing field work in South West Africa... Dr. Tony Swain will be Visiting Professor in 1969-1970 at the Botanical Museum of Harvard University. He will carry out phytochemical research on toxic plants of the American tropics and teach a course entitled "Biochemical Systematics". Mr. E. David Kohn, also a phytochemist, will be associated with him... Mr. Tommie Lockwood, graduate student of the Botanical Museum, Harvard University, spent the summer in the Peruvian and Bolivian Andes studying the tree species of Datura in their native range... Dr. Julia E. Morton is listed as a contributor in the "Encyclopedie van de Nederlandse Antellen"... Dr. E. John Staba, under the sponsorship of the National Academy of Sciences, visited Poland, Czechoslovakia, and Hungary as an Exchange Visiting Scientist, during May and June 1969... Dr. Yusuf J. Abul-Haji has received a grant from the Smith Kline and French Laboratories for a walk-in cooler in the College of Pharmacy, University of Minnesota... Dr. Jan Trojanek of Prague, Czechoslovakia is currently a Visiting Research Professor of Pharmacognosy at the Department of Pharmacognosy, School of Pharmacy, University of Pittsburgh. He is conducting research on the structure elucidation of natural products and is presenting lectures in graduate courses in the Department of Pharmacognosy.

Lynn Index. The Lynn Index is a comprehensive bibliography of phytochemistry covering the years 1560 through 1954 of the scientific literature. This index is published in monograph form, with each monograph considering one or more plant orders. Within each monograph, plant families are considered in alphabetical order, as are genera and species within each family. Initially, a brief description of the major botanical characteristics of the plant family, and the distribution of members of the family, are presented. This is followed by a general summary of the types of chemical compounds found in the family. Following this, the species of each family are listed alphabetically, followed by a compilation of all chemical compounds isolated from or detected in each species. References to each chemical compound are arranged at the end of each plant family.

A cumulative index of orders, families, and genera, is supplied with the latest monograph published so that the location of each genus in the monographs is implied.

To date, the following monographs have been published and are available: Monograph I, Centrospermae, 46 pp. \$1.00; Monograph II, Malvales, 39 pp. \$1.00; Monograph III, Microspermae, Scitaminae, 32 pp. \$1.00; Monograph IV, Glumiflorae, 70 pp. \$2.00; Monograph V, Plantaginales, Rubiales, 67 pp. \$2.00; Monograph VI, Tubiflorae, 272 pp. \$5.00.

The Lynn Index represents the efforts to document the scientific literature on plants by Dr. Eldin V. Lynn, Massachusetts College of Pharmacy, over a period of about 15 years.

When the Lynn Index is completed, it will cover all scientific work that has been published concerning the higher plants, the algae, fungi, lichens, mosses, and ferns. Also planned is a chemical index and a general index of plant names, including vernacular names.

The supply of monographs is limited. It is suggested that each A.S.P. member check to see if his library has all six monographs of the Lynn Index. They can be ordered from Norman R. Farmsworth, Department of Pharmacognosy, School of Pharmacy, 512 Salk Hall, University of Pittsburgh, Pittsburgh, Pa. 15213.

Books and Periodicals. Llyodia will publish a supplementary number to volume 33, under the title "Alkaloid-Bearing Plants and their Contained Alkaloids" by H. L. Li and J. J. Willaman. This number will extend the original volume (which covered the period through 1957) through the years 1958-1968. The supplementary number will be separately paged for isolation from the volume but is intended to be bound with volume 33. The following titles may be of interest to readers: Recent Advances in Phytochemistry, Vol. 2, edited by M. K. Seikel and V. C. Runeckles (1969, Appleton-Century-Crofts, \$9.75); The Mushroom Handbook by Louis C. C. Krieger (Dover Publications, 1967, \$3.95); The Biochemistry of Alkaloids by Trevor Robinson (Springer-Verlag, \$9.75); Separation Methods in Organic Chemistry and Biochemistry by Frank J. Wolf (1969, Academic Press, \$11.50); Common Edible Mushrooms by Clyde M. Christensen (1963, University of Minnesota Press, \$4.50 Cloth, \$2.45 paperback); Advances in Enzyme Regulation, Vol. 6, edited by George Webster and C. E. F. Webster (1967, Pergamon Press, \$19.00); Dinoflagellates of the Caribbean Sea and Adjacent Areas, by E. J. Ferguson Wood (1969, University of Miami Press, \$12.00); Plants: Adaption through Evolution by Joan E. Gottlieb (1963, Reinhold, \$2.25); How to know the Lichens by Mason E. Hale (1969, Brow, Dubuque, \$3.75); Toxic Constituents of Plant Foodstuffs, Irvin E. Liener (1969, Academic Press, \$20.00); Gel Chromatography by H. Determann translated by Erhard Gross and John M. Harkin (1969, Springer-Verlag, \$8.00); Plant Structure and Development by T. P. O'Brien and Margaret E. McCully (1969, MacMillan, \$9.95); Fundamentals of Mycology by J. H. Burnett (1968, St. Martin's, \$13.95); Constitution and Biosynthesis of Lignin by K. Freudenberg and A. C. Neish (1968, Springer-Verlag, \$7.00); The Developmental Sequence of the Marine Red Alga Pseudogloiophloea in Culture by J. Ramus (1969, University of California Press, \$2.50); Antibiotic and Chemotherapy, 2nd Ed., by Lawrence P. Garrod and Francis O'Grady (1968, Livingstone, \$9.75); Phenolic Compounds and Metabolic Regulation by B. J. Finkle and V. C. Runeckles (1968, Appleton-Century-Crofts, \$7.50); The Cactaceae: Descriptions and Illustrations of Plants of the Cactus Family by Nathaniel L. Britton and Joseph N. Rose (Dover, two volumes, \$20.00).

Potpourri. The NEWSLETTER serves as an important forum for the dissemination of knowledge of awards, honors and personal achievements of our members and also brings to attention meetings, symposia and conferences (and perhaps even minutea) that is of interest to our group. It cannot exist, nor be effective, without the cooperation of the membership in bringing to the attention of the editor those items of common interest which make up NEWSLETTER. Please use the form that is included with this copy of the NEWSLETTER to bring to my attention anything that you deem of interest to the membership.