



# NEWSLETTER

A PUBLICATION OF THE AMERICAN SOCIETY OF PHARMACOGNOSY - EDITED BY RALPH N. BLOMSTER  
SCHOOL OF PHARMACY, UNIVERSITY OF MARYLAND, BALTIMORE, MARYLAND

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Annual Dues - The Treasurer of the Society wishes to remind the membership that dues are collected in the last quarter of the year and are applied to membership for the next calendar year. Dues for Active members are \$15 for those residing in the United States and Canada, and \$10 for those residing in other countries. Associate membership, which is open to students only, is only \$2. Active members receive Lloydia (J. Natural Products) and the A.S.P. Newsletter. Please remember that cost for Society Symposia are offset by dues as well as the VOLUNTARY \$3 contribution, which most members make annually to the Symposium Fund.

British Meetings - The Phytochemical Society met in Dublin from September 28th to October 1st and the symposium entitled "Recent Chemistry and Biochemistry of Phenolic Compounds", which included a review lecture on "Pharmaceutically Important Compounds" by Professor R. Hansel, is to be published by Academic Press. The next meetings of the Society including Symposia titles, dates and meeting sites are listed below.

"Plant Constituents of Pharmacological Interest" in conjunction with the Pharmaceutical Society of Great Britain will be held January 4, 1972 at Chelsea.

"Biosynthesis and Its Control in Plants" from March 27-29, 1972 at the University of Kent.

"The Biosynthesis of Nitrogenous Compounds" from September 11-13, 1972 at the University of Exeter.

Also of interest to ASP members is a Conference on Spices to be held in London from April 10-14, 1972. One of a series of conferences devoted to groups of tropical products, it is being organized by the Tropical Products Institute. Aimed at bringing together those concerned with growing and producing spices, commercial interests in Europe and North America and scientists working in the area there should be several papers of interest to pharmacognosists. Details and applications may be obtained from: Scientific Secretariat (C), Tropical Products Institute, 56/62 Gray's Inn Road, London WC1X 8LU, England.

Request for Host College - Sites for the 1972 and 1973 meetings have been set at Ohio State University (1972) and the University of Georgia (1973). President E. John Staba has requested the Newsletter to seek applications from interested colleges to host the 1974 meeting. If you would like your institution to host the 1974 meeting, please contact Dr. E. John Staba, College of Pharmacy, University of Minnesota, Minneapolis, Minnesota 55455.

Amended Instructions for Literature Citations in Lloydia - Associate Editor Kelleher has requested that the Newsletter make available the following notice to contributors of Lloydia:

"When citing references in the Literature Cited section, authors are requested to use the abbreviations found in The Chemical Abstracts Service Source Index (formerly Access). The abbreviations used in this index and its immediate predecessor, Access, follow the recommendations of the National Clearing House for Periodical Title Word Abbreviations. The CAS Source Index replaces the 1961 List of Periodicals Abstracted by Chemical Abstracts and its several supplements. A few examples of changes are given below:

<u>Old Abbreviation</u> (1961 List of Periodicals)	<u>New Abbreviation</u> (CAS Source Index and Access)
<u>Collection Czech. Chem. Commun.</u>	<u>Collect. Czech. Chem. Commun.</u>
<u>J. Am. Chem. Soc.</u>	<u>J. Amer. Chem. Soc.</u>
<u>Tetrahedron Letters</u>	<u>Tetrahedron Lett.</u>
<u>Proc. Natl. Acad. Sci. U.S.A.</u>	<u>Proc. Nat. Acad. Sci. U.S.A.</u>

Apart from the title abbreviations, all other aspects of citing references follow the instructions published in the June 1972 number of Lloydia.

The CAS Source Index may be ordered from the Marketing Department, Chemical Abstracts Service, The Ohio State University, Columbus, Ohio 43210, U.S.A."

International Organization of Chemosystematics - A joint International Union of Pure and Applied Chemistry (IUPAC) - International Association for Plant Taxonomy (IAPT) Ad Hoc Committee on Chemotaxonomy has been formed to look into all aspects of the organization of international collaboration in chemosystematics. This has been brought about because of the rapid expansion of the chemical approach to systematic problems in biology and because of the number of specialized problems unique to chemosystematics which should be greatly aided through international cooperation.

The Committee is soliciting comments from interested persons in all fields of biological sciences, chemistry and pharmaceutical sciences. These may be sent to the Chairman or Secretary: Dr. W. F. Grant, Chairman, Joint IUPAC-IAPT Committee on Chemotaxonomy, Genetics Laboratory, Macdonald Campus of McGill University, Ste. Anne de Bellevue 800, Quebec, Canada; Dr. T. Swain, Secretary, Joint IUPAC-IAPT Committee on Chemotaxonomy, Royal Botanic Gardens, Kew, Richmond, Surrey, England.

ASP 1971 Business Meeting - In response to suggestions from the floor at the September 10th Business Meeting, the Editor of the Newsletter has been directed to publish a resume of the minutes of the Annual Meeting in this issue of the Newsletter immediately following the said meeting. With a degree of brevity, that was completely out of character. President Lynn R. Brady summarized the activities of the Society during the past year, expressed his

appreciation for the support given him by the officers and members of the Society, and indicated some goals toward which the Society might strive. The Treasurer's report showed a balance of \$10,076.42 along with a drop in membership from 429 paid members to 385 for 1971. Lloydia Editor Schwarting introduced the newly appointed members of the Editorial Advisory Board. He also reported that 1,800 copies of the supplement, "Alkaloid Containing Plants and Their Contained Alkaloids" were published and that 1,375 copies of the Journal were distributed. Dr. William J. Kelleher has been appointed, by the Executive Committee, to the position of Associate Editor. The report of the Scientific Program Committee showed, of 117 requests to submit papers, 99 were selected for presentation at the Congress and of these, 23 were presented in the Pharmacognosy and Natural Products Section. A Colloquium: "New Knowledge of Biological Control Mechanisms Related to Natural Products" was co-sponsored by the Society. Speakers were Dr. Earl R. Stadtman - "Control of Reactions in Living Cells, Dr. Chalres J. Sih - "Mechanism and Regulation of Prostaglandin Biosynthesis" and Dr. James B. Walker - "Cell-Free Biosynthesis Studies on Streptomycin". The Nominating Committee placed in nomination the following: Vice-President - William J. Kelleher and Ara G. Paul; Executive Committee - Govind J. Kapadia and Gerald Sullivan. Two members were nominated from the floor for the Executive Committee - Jack L. Beal and Coy A. Gibson. An expression of the problem of tight money was alluded to in the report of the Patron Membership Committee and Chairman Tyler asked for the support of the membership in bringing to his attention the names of highly placed friends in those companies which might be interested in becoming Patron Members of the Society. Recommendations were presented by the Constitution and By-Laws Committee that the Treasurer serve as a member on the Committee on Awards and Funds instead of chairman and that the Society not provide non-honorary life membership since it would not be in the best interest of the Society. It was reported that the issue of affiliation of the Society and the Academy of Pharmaceutical Sciences was defeated by the membership by mail ballot. A Nominating Committee consisting of David P. Carew, Jerry L. McLaughlin and Maynard W. Quimby was elected by acclamation. President Brady installed the new officers and relinquished the floor. Unfortunately, the traditional Cascara Sagrada gavel of office was not presented to the outgoing President due to an acute raw material shortage.

Necrology - It is with deep regret that we report the deaths, during the past year, of four members; Dr. Leonard Buchalter, Dr. John T. Lloyd, Dr. Shintaro Takahashi and Dr. Richard B. Wasicky.

Phytochemical Society of North America - The 9th annual meeting of the PSNA was held October 6-9, 1971 in Monterrey, Mexico. Within the symposium entitled "Terpenoids: Structure, Function and Biosynthesis", the following papers were presented: "Chemistry and Biogenesis of the Quassinoids" - J. Polonsky, "Biosynthetic Relationships in Sesquiterpene Lactones" - T. A. Geissman, "Genetic and Biosynthetic Relationships of Monoterpenes" - R. S. Irving, "New Developments in the Biosynthesis of Carotenoids and Plant Sterols" - T. W. Goodwin, "Biochemistry of Lower Terpenoids" - W. D. Loomis, "Biosynthesis of Indole Alkaloids: Rearrangement of the Mevalonate Derived Segment" - A. I. Scott, "Aplicaciones y Metodos Fisicos a Problemas de Estructura y Estereoquimica en Terpenos y Esteroides" - P. Crabbe, "Quimica de Sesquiterpenos de Plantas Mexicanas" - J. Romo and "Terpenes and Phylogeny" - B. L. Turner and R. Flake. These papers will be published in book form by Academic Press.

Hungarian Meeting - The Medicinal Plant Section of the Hungarian Pharmaceutical Society met on April 15-17, 1971 in Szeged and presented an international symposium

on "Chemistry and Biology of Rutaceae Components". Four plenary lectures were delivered on topics within the theme by Prof. Dr. E. Reinhard, GFR; Prof. Dr. M. Luckner, GDR; Prof. G. Rodighiero, Italy and Prof. Dr. J. Reisch, GFR. In addition, there were 16 shorter lectures dealing with the biosynthesis and pharmacology of the active agents of various Rutaceae species.

Grants - The Department of Pharmacognosy, University of Rhode Island, has received a renewal of \$33,000 to support its participation in the Sea Grant Program. Dr. L. R. Worthen, University of Rhode Island, is the recipient of a grant of \$9,200 from the Office of Water Resources to study the accumulation and degradation of pesticides by aquatic algae. At the same institution and from the same granting agency, Dr. Y. Shimizu received a grant of \$7,500 to study plant phenols and related compounds in water sources. Dr. S. J. Stohs, University of Nebraska, was funded \$8,077 by USPHS, NIAMD for "Production of Medicinals by Plants" and \$4,300 from the Nebraska Heart Association for "An In Vitro Study on Cardenolide Metabolism".

A grant for \$3,500 from the Indiana Elks - University Cancer Research Committee was awarded to Drs. J. M. Cassady and H. G. Floss to study "Ergot Alkaloids on Potential Inhibitors of Mammary Tumors". Dr. W. A. Remers, also of Purdue University was funded \$22,051 by the National Cancer Institute for his project "Antitumor Agents - Synthesis of Mitomycin Analogues". The National Institute of General Medical Sciences has given Dr. H. G. Floss a grant in the amount of \$26,965 to study "Stereochemistry of Enzyme Reactions. Dr. D. Perleman, University of Wisconsin, has been awarded \$17,000 by the Schering Corporation for continued studies on antibiotics from Mycoplasma. Dr. E. J. Staba, University of Minnesota, has received a \$5,000 grant from Fromm Brothers, Inc. to study ginseng and its tissue culture, while the Minnesota Medical Foundation has awarded \$2,500 to Dr. Y. Abul-Hajj to compare reductase activity in liver with various hepatomas. Dr. D. H. Rich, University of Wisconsin, is being supported by NIH in his program on synthesis of specific peptide hormone inhibitors, with \$38,554. A grant of \$2,000 has been awarded to Dr. P. F. Heinstejn, for the "Mode of Action of the Antitumor-Antibiotic, Illudin-S in Bacteria and Tumorous Mammalian Tissue", from the Indiana Elks-University Cancer Research Committee. Dr. J. M. Cassady, Purdue University, was awarded \$22,365 by the National Cancer Institute for the "Isolation and Synthesis of Potential Tumor Inhibitors".

Personal - Dr. Ali Askari has received the Ph.D. degree from the University of Rhode Island and has accepted a faculty appointment in the College of Agriculture at the University of Sulaimani, Iraq. Dr. Jerry McLaughlin has joined the Purdue faculty as an Associate Professor in Pharmacognosy. Dr. K. W. Hindmarsh, formerly with the Royal Canadian Mounted Police Crime Lab., has joined the staff at the University of Saskatchewan as an Assistant Professor of Pharmacognosy. Professor E. Steinegger, University of Bern, was elected chairman of the Pharmacognosy Subcommittee of the federal Pharmacopeia Commission by the Swiss Federal Council. Dr. Michel Paris, Assistant Professor of Pharmacognosy, Faculty of Pharmacy, Paris, was a visiting scientist in various laboratories in the United States in September 1971.