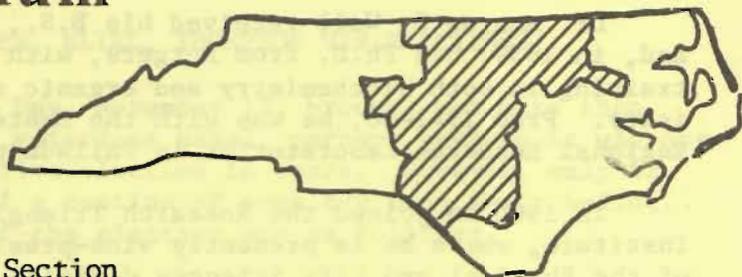


Tar^{He}lium



North Carolina Section
AMERICAN CHEMICAL SOCIETY

Vol. 5, No. 4 Raleigh, N. C. December, 1974

*** NEES, ELIEL, THOMPSON WIN ***

** RETURN QUESTIONNAIRE INSIDE **

"CHEMISTRY AND METABOLISM OF MARIJUANA CONSTITUENTS"

Speaker: MONROE E. WALL
Chemistry and Life Sciences Division
Research Triangle Institute
Research Triangle Park, North Carolina

Date: Wednesday, December 11, 1974

Place: Duke University
Durham, North Carolina

Time: 5:30 Happy Hour
Student Union, Room 101

6:30 Dinner
Student Union, Oak Room

8:00 Lecture
Room 107 Gross

Dr. Monroe E. Wall received his B.S., M.S. and, in 1939, his Ph.D. from Rutgers, with training in both biochemistry and organic chemistry. From 1941-60, he was with the Eastern Regional Research Laboratories in Philadelphia.

In 1960 he joined the Research Triangle Institute, where he is presently vice-president of the Physical and Life Sciences division. Dr. Wall's diverse research interests encompass the chemistry of plant pigments, antioxidants, steroids, glycosides, alkaloids, antitumor agents and the metabolism of cannabinoids. He is also an adjunct professor of organic chemistry at NCSU and medicinal chemistry at UNC-CH.

Dr. Wall is a member of numerous scientific societies and in 1974 is chairman of the Medicinal Chemistry Section of the Academy of Pharmaceutical Sciences; honorary president of the Society of Economic Botany; and a member of the Board of Editors of the Journal of Medicinal Chemistry. In 1967-68 he was chairman of our local ACS section.

"Chemistry and Metabolism of Marijuana Constituents"

by Monroe E. Wall

In recent years improved procedures have become available for the synthesis of Δ^9 -tetrahydrocannabinol (the chief psychomimetic constituent in marijuana) and analogous compounds. The improved methodology which will be discussed in some detail thus has made available to pharmacologists a variety of radiolabeled and unlabeled substrates. As a consequence, the metabolism and excretion rate of Δ^9 -THC and its metabolites have been worked out in detail at RTI and other laboratories. These findings will be discussed, together with analytical methodology which now permit the precise elucidation of the structure of the various marijuana metabolites and quantification where necessary.

NEES, ELIEL, THOMPSON WIN ELECTIONS

Election Day, November 13, brought out more than twice as many voters as usual, perhaps because it was our first competitive election in years. However, only 82 members out of a section of some 870 cast their ballot. The results of the election are as follows:

For Chair-Elect: Monica Nees, 46; Richard A. Palmer, 35; one abstention.

For Councilor: Ernest L. Eliel, 55; Robert Ghirardelli 27.

For Alternate Councilor: Richard J. Thompson, 43; G. Gilbert Long, 37; Halbert Carmichael (write-in), 1; one abstention.

The winners will take office on January 1, 1975. All other officers will be carryovers from 1974.

NOTES FROM THE EDITOR

Now that you have chosen me Chair-Elect for 1975, I am hereby fulfilling my campaign promise to "divest myself of TARHELIUM". This is my last issue. I hope it reached you in time for the meeting! Being editor has been always frantic and mostly fun, and many thanks to all of you who helped me with the newsletter. Your new editor will be Eric Wiechert of Meredith College in Raleigh. TARHELIUM is in good hands.

I also want to thank those who voted for me, and to ask everyone for your help in 1975. My main responsibility will be as head of the Program Committee which chooses speakers for our local section meetings.

As a relative newcomer to the area, I feel we need to "talk to each other" to find out what's going on in our own back yards. So some of the speakers will be our own members. Do you want very specialized, research-oriented lectures? More general presentations? How about talks for the general public? If a mixture, what proportion? Call me at 919-549-8291 with your suggestions.

QUESTIONNAIRE ON
LATE AFTERNOON OR EVENING CHEMISTRY COURSES

The American Chemical Society (ACS) sponsors Operation Interface to foster increased cooperation between the academic and industrial-governmental chemical communities. For some time now it has been felt that employees in the Research Triangle Park (RTP) would be interested in taking chemistry courses offered in the late afternoon or evening, either at local universities or an RTP location. These courses could be applicable to undergraduate or degrees or taken on a non-credit or special topics basis.

The North Carolina Section of the ACS, as part of its own Operation Interface, is pleased to sponsor this questionnaire to determine if, in fact, such a need exists. The results of this survey will be summarized and forwarded to the chemistry department heads of the Triangle colleges and universities for their consideration. Many have already expressed great enthusiasm for the project if there will be enough students.

If the following course(s) were given in the late afternoon or evening, I would be interested in attending:

I. UNDERGRADUATE LEVEL

credit toward degree
non-credit

General Chemistry _____
Organic _____
Physical _____
Inorganic _____
Analytical _____
Other (specify) _____

OTHER DISCIPLINES
(specify) _____

II. GRADUATE LEVEL

credit toward degree
non-credit

Analytical _____
Biochemistry _____
Inorganic _____
Organic _____
Physical _____
Polymer _____
Other (specify) _____

OTHER DISCIPLINES
(specify) _____

COMMENTS: _____

NAME: _____ TELEPHONE: _____

BUSINESS ADDRESS: _____

Please return this questionnaire by December 16, 1974, to:

Dr. Monica Nees, Editor, "TARHELIUM"
North Carolina Science and Technology Research Center
P.O. Box 12235, Research Triangle Park, N.C. 27709

Selected Summary of ACS Council Meeting
Atlantic City, N.J.
September 11, 1974

by

M. E. Hobbs - Councilor

1. Council elected five members of Council Policy Committee (CPC) and six members of Committee on Nominations and Elections (CNE). (Councilor vote: 3 of elected CPC and 3 of 6 of the elected CNE members).
2. Adoption of By-Law change which provides for nomination by petition in Special Election if office to be filled is for more than six months. (Councilor vote: Yea).
3. Council deferred until Philadelphia meeting consideration of deletion of second choice requirement on preferential ballot votes where 3 candidates for one office. (Councilor vote: to defer).
4. By-Law change providing for mail ballot to Councilors in place of Council Meeting in selection of nominees for President-Elect and Council Policy Committee members was adopted. Council Policy Committee move to defer action was defeated. (Councilor vote: Nay on deferral; Yea on By-Law change).
5. Action on membership referendum on Council postponement or disapproval of a proposed Constitution amendment was deferred for one year. (Councilor vote: Yea for deferral. Note: Arthur D. Little Report on Governance and Organization of Society will be available by December 1974 - may bear on question.).
6. Petition was presented for "consideration only" which provides for Council review of projected annual dues established on basis of Consumer Price Index for Service (CPIS). Petition requires Council approval before dues are set. (Note: Councilor MEH will strongly favor this provision. He voted against automatic setting of dues based on CPIS but motion carried at Chicago (1973) Council Meeting).
7. By-Law change adopted which provides local section with alternative of combined Secretary-Treasurer, and that application for allotment of funds for Section is to be made by and granted to section through the Treasurer. (Councilor vote: Yea).
8. Request for "Urgent Action" on petition for By-Law which provides for dues reduction in case of member indication that personal subscription to C and B is not desired. "Urgency" request was defeated. Matter will be considered at April 1975 (Philadelphia) Council Meeting. (Councilor vote: Nay on "Urgency" request).
9. Action requested on petition for Constitution change providing for: (a) replacing of advisory role of Council by policy making role in place of Directors; (b) and manner of selection of President-Elect and Directors-at-Large rather than by Councilors. Action was postponed until Chicago (1975) Meeting. (Councilor vote: Yea for postponement).
10. By-Law change in "Membership Standards" that would somewhat tighten standards was defeated. (Councilor vote: Yea for change in By-Law).
11. Action on addition of section to Constitution that guarantees member freedom from constraints in expression of views on any matters of the Society was deferred and recommitted to Committee on Constitution and By-Laws. (Councilor vote: Yea for recommitment).
12. Adoption of By-Law change requiring Committee on Program Review to expand its purview to all member oriented programs as to cost, effectiveness, and termination. (Councilor vote: Yea).
13. By-Law change was adopted allowing annual subscription rates to ACS periodicals to be established not later than the end of the fall meeting of the Council in the immediately preceding year. (Councilor vote: Yea. Note: Delays of 12-18 months from consideration of necessary increases to implementation was regarded as too long under prevailing economic conditions).

NCSU OFFERS LATE AFTERNOON
AND EVENING CHEMISTRY COURSES

Dr. Carl Baumgardner, chemistry department head at NCSU in Raleigh, is pleased to announce two chemistry courses to be given in the late afternoon and evening in the January 1975 spring semester. (This is a very early response to the Operation Interface questionnaire!) Registration is January 13; classes begin January 15.

The first is CH503--Chemistry of Metal Ions. This is an advanced inorganic course covering such topics as preparation and properties; non-aqueous solvents; bio-inorganic compounds; solid state and coordination chemistry. It carries three semester hours of credit and will be given on Tuesdays and Thursdays from 4:00-5:30 p.m. in Dabney Hall. Call the instructor, Dr. Anton Shriner, at 737-2993 for additional information.

The second is CH525--Physical Methods in Organic Chemistry. This is an advanced organic course on the application of physical methods to the solution of structural problems. Topics such as IR, UV, NMR, EPR, ORD, X-RAY and mass spectra will be discussed. It carries three semester hours of credit and will be given Monday and Wednesday evenings from 7:00-8:30 p.m. Call the instructor, Dr. George Wahl, at 737-2941 for additional information.

NEXT LOCAL SECTION MEETING

Thursday, January 16, 1975: Dr. Alfred Bader, president of Alrich Chemical Company and renowned art collector, will speak on "Chemistry and Art" at Meredith College in Raleigh. As always, guests are cordially invited to attend.

*** MERRY CHRISTMAS! ***

** HAPPY NEW YEAR! **

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Maurice Bursey (UNC), Ch.-Elect
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Membership - Joan Bursey (RTI)
Program - Maurice Bursey (UNC-CH)
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Safety - Kenneth T. Knapp (EPA)

TARHELIUM is published by the North Carolina Section of the American Chemical Society. The views expressed herein are not necessarily those of the Section. Direct all correspondence to Dr. Monica Nees, Editor, c/o N. C. Science and Technology Research Center, P. O. Box 12235, Research Triangle Park, N. C. 27709

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