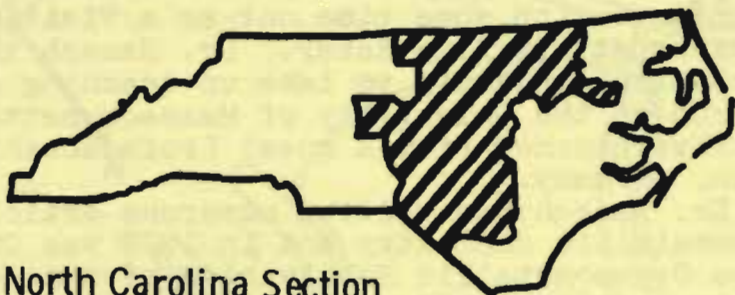


ACTIVITIES



North Carolina Section American Chemical Society

Vol. I, No. 9

Durham, N. C.

April 1971

RAUSCH TO SPEAK ON METALLOCYCLES

APRIL MEETING

Speaker: Dr. Marvin D. Rausch
Topic : The Chemistry of Metalloacycles
Date : April 22, 1971
Place : Duke University, Durham, N. C.

5:30-6:30 Gratis social hour - Duke University
Union, second floor Ballroom
6:30-7:45 Dinner - Duke University Union, second
floor
8:00 Lecture, Paul M. Gross Chemical
Laboratory, main auditorium (Rm. 107).

Dr. Rausch is Professor of Chemistry at the University of Massachusetts. He has been working in the field of organometallic chemistry ever since he earned his B.S. (1952) and Ph.D. (1955) degrees from the University of Kansas.

His career had a rather official beginning at Wright-Patterson AFB as a First Lieutenant (Chemical Projects Officer). Then followed two years

(Contd. next page)

of postdoctoral work at Munich, Germany. The next four years were spent mostly as a Senior Chemist at Monsanto with some time out as a Visiting Professor at his Alma Mater. Dr. Rausch then left the chemical industry to take up teaching and research at the University of Massachusetts. He recently returned from a guest Professorship in Munich, Germany.

Dr. Rausch has written numerous articles on organometallic chemistry and in 1969 was Chairman of the Organometallic Subdivision of the ACS.

Our meeting this month will be held entirely on Duke campus--including the social hour. This is the result of new and more "liberal" rules which were recently enacted. The dinner will be a special buffet at \$4.75 which will feature meat, fish, and fowl. Sounds good!

THE CHEMISTRY OF METALLOCYCLES

by Marvin D. Rausch

Metallocycles may be classified as unsaturated, heterocyclic compounds which contain metals in the ring, rather than the more common non-metals such as sulfur, oxygen or nitrogen. Examples of metallo-cycles are given from the literature and from our own program and the properties and structure of these substances are discussed. A valuable route to metallo-cycles consists of reactions of buta-dienyl-dilithium reagents with metal dihalides, and some recent studies involving the formation of new-type dilithium reagents from the reductive dimerization of acetylenes are presented.

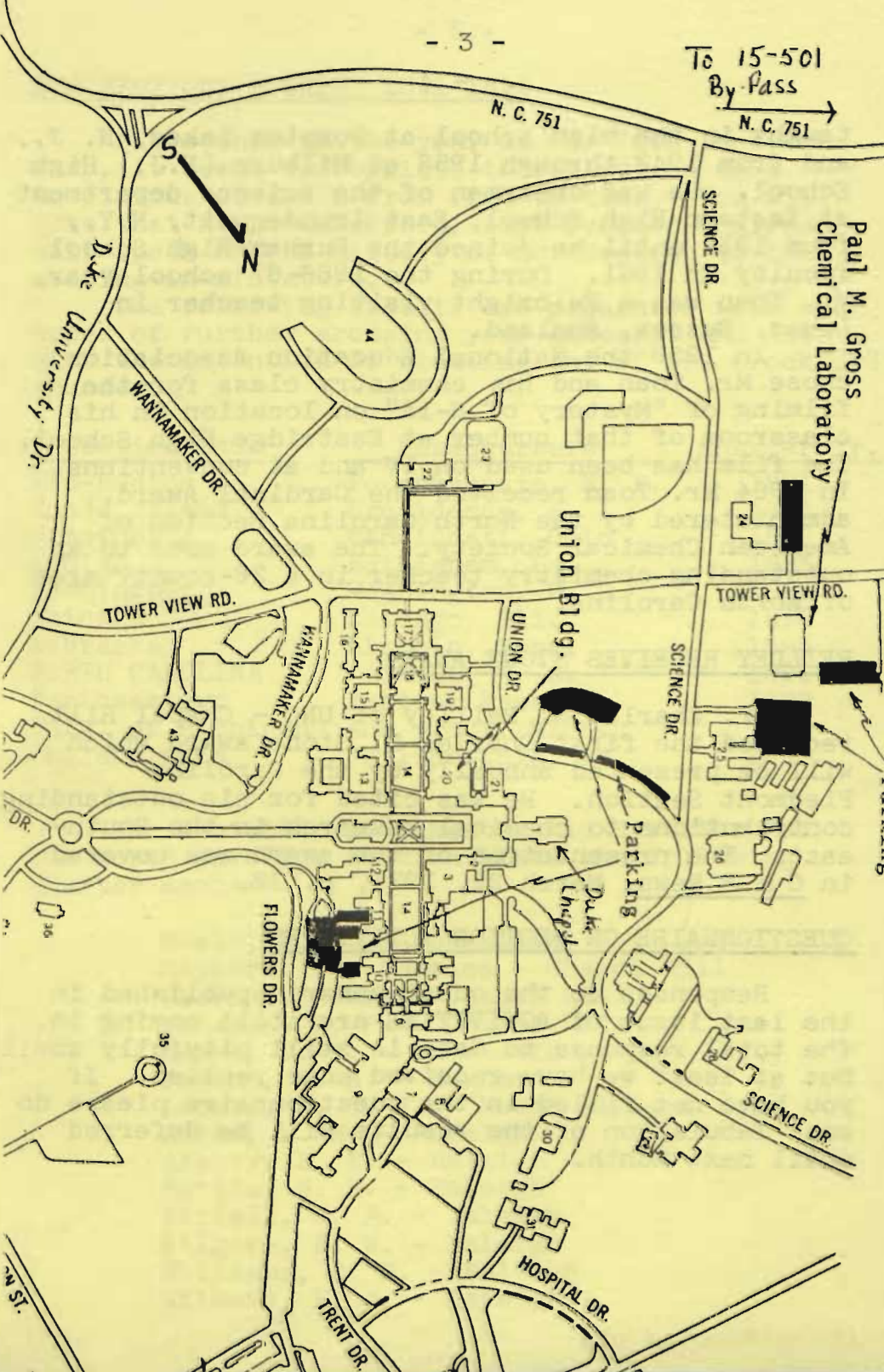
TOAN RECEIVES JAMES CONANT AWARD

Bernard Toan was presented the James Conant Award at the just-concluded ACS Meeting held in Los Angeles. The award is sponsored by E.I. du Pont de Nemours & Company Incorporated.

Born in Rochester, Wis., Mr. Toan received the B.A. and M.A. degrees from Montclair State College in New Jersey. From 1937 to 1942 he

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Paul M. Gross
Chemical Laboratory

Union Bldg.

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TOWER VIEW RD.

WANNAMAKER DR.

Duke University Dr.

SCIENCE DR.

SCIENCE DR.

UNION DR.

Parking

Duke Chapel

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SCIENCE DR.

HOSPITAL DR.

TRENT DR.

FLOWERS DR.

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W. ST.

taught in the high school at Pompton Lakes, N. J., and from 1942 through 1958 at Milburn (N.J.) High School. He was chairman of the science department at Eastern High School, East Irondequoit, N.Y., from 1958 until he joined the Durham High School faculty in 1961. During the 1966-67 school year, Mr. Toan was a Fulbright visiting teacher in Lewes, Sussex, England.

In 1959 the National Education Association chose Mr. Toan and his chemistry class for the filming of "Mystery of N-13" on location in his classroom of that number at Eastridge High School. The film has been used on TV and at conventions. In 1964 Mr. Toan received the Cardinal Award, administered by the North Carolina Section of American Chemical Society. The award goes to an outstanding chemistry teacher in a 28-county area of North Carolina.

REILLEY RECEIVES STONE AWARD

Dr. Charles N. Reilley of UNC - Chapel Hill received the first Charles H. Stone award which will be presented annually by the Carolina-Piedmont Section. He was cited for his outstanding contributions to chemical research in the Southeast. The presentation of the award was covered in C & E News, March 22, 1971, p. 72.

QUESTIONNAIRE ON SECTION ACTIVITIES

Responses to the questionnaire published in the last issue of ACTIVITIES are still coming in. The total response to date is still pityfully small but at least we have received some replies. If you have not filled in the questionnaire please do so. Tabulation of the results will be deferred until next month.

ACS SECTIONS FOUNDED 1891-1899

Since this is the year of our 75th anniversary, it seems appropriate to reflect on this auspicious occasion from time to time. You will note that H. D. Crockford, 1932 Section Chairman, will speak on the history of our Section at the meeting-in-miniature.

The following tidbits are presented with the hopes of further arousing your interest and not with the intention of stealing any of Dr. Crockford's thunder.

<u>Section Name</u>	<u>Headquarters</u>	<u>Charter Yr.</u>
Mid-Hudson	Poughkeepsie, N. Y.	1891
Rhode Island	Providence, R. I.	1891
Cincinnati	Cincinnati, Ohio	1892
Lehigh	Bethlehem, Pa.	1893
Washington	Washington, D. C.	1893
Chicago	Chicago, Ill.	1895
Nebraska	Lincoln, Nebr.	1895
NORTH CAROLINA	RALEIGH, N. C.	1896
Northeastern	Boston, Mass.	1898
Univ. of Michigan	Ann Arbor, Mich.	1899
Philadelphia	Philadelphia, Pa.	1899

The September 1896 membership directory of the North Carolina Section lists the following charter members:

Moale, P. R. - Asheville
Baskerville, Charles - Chapel Hill
Clarke, Thomas - Chapel Hill
Venable, F. P. - Chapel Hill
Hanna, G. B. - Charlotte
Pegram, W. H. - Durham
Ludwig, H. T. J. - Mount Pleasant
Allen, W. M. - Raleigh
Asbury, S. E. - Raleigh
Battle, H. B. - Raleigh
Bizzell, J. A. - Raleigh
Kilgore, B. W. - Raleigh
Williams, C. B. - Raleigh
Withers, W. A. - Raleigh

(To be continued)

N O T I C E

The program and full details on the Meeting-In-Miniature will be published and mailed later this month. In the mean time reserve Friday afternoon, April 30 for this event which will be held at the University of North Carolina in Chapel Hill.

Activities NCS/ACS is published by the North Carolina Section of the American Chemical Society. The editor assumes responsibility for all unsigned articles and the views expressed herein are not necessarily those of the North Carolina Section. Direct all correspondence regarding this publication to Arthur C. Diesing, Editor, C/O Information Services, Liggett and Myers Inc., Durham, N.C. 27702

Section officers for 1971: Vivian T. Stannett, Chairman; Peter Smith, Chairman-elect; H. H. Carmichael, Secretary-Treasurer; C. N. Reilley, K. Lawson, Councilors.

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