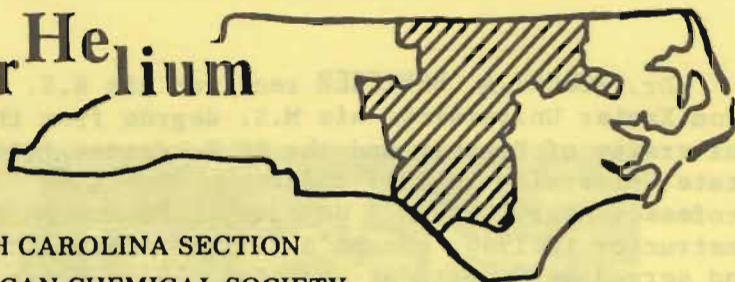


Tar Helium



NORTH CAROLINA SECTION
AMERICAN CHEMICAL SOCIETY

Vol. 11, No. 1 Raleigh, N. C. September, 1980

THE ORGANIC CHEMISTRY OF HALOSILANES

Speaker: Dr. Robert A. Benkeser
Purdue University

Date: Tuesday, September 16, 1980

Place: University of North Carolina-Chapel Hill

Time: 5:30 Happy Hour
Ninth floor Lounge
Kenan Hall

6:30 *Dinner
Carolina Inn Cafeteria

8:00 Lecture
Room 268 Venable Hall

* Reservations are not required. Students will be reimbursed for $\frac{1}{2}$ the cost of their dinner if they present their receipt to the treasurer following dinner.

Dr. ROBERT A. BENKESER received his B.S. degree from Xavier University, his M.S. degree from the University of Detroit and the Ph.D. degree from Iowa State University in 1947 under the direction of Professor Henry Gilman. He came to Purdue as an Instructor in 1946, became a full Professor in 1954 and served as Department Head from 1974-1978. He was named the F. L. Hovde, Distinguished Service Professor in July 1980. His principal research interests have been in organosilicon chemistry, reductions by metals in non-aqueous solvents and the chemistry of butenyl and benzylic Grignard systems.

* * *

The organic chemistry of trichloro- and dichlorosilane as well as iodotrimethylsilane will be discussed. Dichlorosilane adds to both conjugated and unconjugated dienes in the presence of catalytic amounts of chloroplatinic acid (Speier's catalyst). With unconjugated dienes, it adds to terminal double bonds much faster than to internal double bonds, thereby providing a convenient route to intermediates for the synthesis of alkenyldichlorosilanes. The latter can be cyclized in an intramolecular fashion to form cyclic and bicyclic silicon-containing heterocycles. The true composition of the extremely important "Speier's catalyst" will be disclosed as well as some new chemistry of iodotrimethylsilane.

SOUTHEASTERN REGIONAL MEETING RALEIGH, 1984

Section members will recall that, last October, Raleigh was designated to be the site of the 36th Southeastern Regional Meeting in 1984. In order to have a successful meeting in Raleigh, the NC Section is eventually going to need the assistance of many members. Accordingly, by way of this notice, the 1984 Southeastern Regional Meeting Planning Committee wants to issue a standing invitation to members to volunteer their services and also to nominate other



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members for service--information of this kind should be given to the Planning Committee members (Maurice Bursey, Robert Ghirardelli, Marcus Hobbs, Marion Miles, Monica Nees, and Peter Smith, Chairman) or to the NC Section Chairman (Forrest Getzen).

LOCAL SECTION MEETINGS

The speakers list for Local Section Meetings is complete through January. For those wishing to mark their calendar:

Date	Location	Speaker/Affiliation	Topic
Sept 16	UNC	Dr. R. A. Benkeser Purdue University	Halosilanes
Oct 30	NCSU	Dr. W. Hewertson Imperial Chemicals Ltd.	Nylon
Nov 18	Duke	Dr. J. R. Lakowicz U. of Minnesota	Membrane Up- take of Carcinogens
Dec 9	Meredith	Dr. J. Huisingh USEPA/RTP	Bisassay
Jan 13	RTI	Dr. A. Clifford VPI & SV	Fluorine Chemistry

SYMPOSIUM WILL HONOR EMINENT SOUTHERN CHEMISTS

Eminent deceased southern chemists and chemical engineers will be honored at a special symposium to be held by the American Chemical Society at its 181st National Meeting in Atlanta in the spring of 1981. The symposium will be sponsored by the ACS Division of the History of Chemistry and will be chaired by Dr. Raymond B. Seymour, Distinguished Professor, Department of Polymer Science, University of Southern Mississippi, Hattiesburg. Eligibles for recognition

at the symposium must be deceased but may be from the South, educated in the South, or ones who contributed to southern chemistry or chemical engineering.

Everyone is invited to send suggestions and names of eminent deceased southern chemists and chemical engineers to R. B. Seymour, University of Southern Mississippi.

AREA SEMINARS

- Sept 5 Dr. ROBERT D. BEREMAN, North Carolina State University, "Bioinorganic Chemistry of Type-I and Type II Copper(II) Systems", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
- 11 Dr. RODNEY R. PORTER, Oxford University, "The Complex Proteases of the Complement System", Venable Lecture, 8:00 pm, Room 207 Venable Hall, UNC-CH.
- 12 Dr. KEITH U. INGOLD, National Research Council (Canada), "Oxidation and its Prevention in Organic and Bio-Organic Systems", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
- 16 Dr. R. A. BENKESER, Purdue University, "The Organic Chemistry of Halosilanes", ACS lecture, 8:00 pm, Room 268 Venable Hall, UNC-CH.
- 18 Dr. ALEXANDER VON ZELEWSKY, University of Fribourg, "Metal Complexes with Free Radical Ligands", 3:30 pm, Room 206 Cox Hall, NCSU.
- 18 Dr. JAMES D. WHITE, Oregon State University, "Studies of the Total Synthesis of Macrolide Antibiotics", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
- 19 Dr. R. BRUCE MARTIN, University of Virginia, "Lanthanides as Probes for Calcium in Biological Systems", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
- 22 Dr. ERNEST ELIEL, University of North Carolina, "Carbanions Derived from 1,3-Dithianes", 3:30 pm, Room 124 Dabney Hall, NCSU.
- 26 Dr. KENSAL E. VAN HOLDE, Oregon State University, "Nucleosome Arrangement in Chromatin", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
- 29 Dr. FRED WUDL, Bell Laboratories, "Organic Materials: Conductors and Superconductors", 3:30 pm, Room 124 Dabney Hall, NCSU.
- Oct 2 Dr. PAUL GRIECO, Indiana University, "Bicyclo(2.2.1)heptanes as Building Blocks in Natural Product Total Synthesis", 11:00 am, 308 Venable Hall, UNC-CH.
- 3 Dr. COLIN G. PITT, Research Triangle Institute, "Biodegradable Polymers and Drug Delivery", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
- 9 Dr. JOSEPH DEMUTH, IBM Research, "The Binding and Reaction of Simple Molecules on Transition Metal Surfaces", 11:00 am, 308 Venable Hall, UNC-CH.
- 10 Dr. RICHARD S. NICHOLSON, National Science Foundation, "Federal Support of Chemical Research", 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.

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