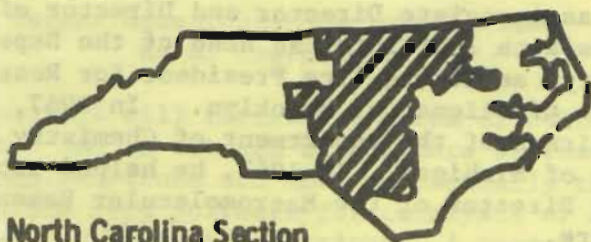


ACTIVITIES



North Carolina Section American Chemical Society

VOL. III, No. 7 Raleigh, N. C. April 1973

OVERBERGER TO SPEAK AT APRIL MEETING

DATE: 24 April 1973

LOCATION: North Carolina State University Faculty
Club

TIME: 5:00 Social Hour
6:30 Dinner from the buffet
8:00 Talk at Faculty Club

SPEAKER: Professor Charles G. Overberger
University of Michigan

TITLE: Recent Research in Macromolecules

Charles G. Overberger was born in Barnesboro, Pennsylvania, a small town in the bituminous coal area, in 1920. He was graduated from Pennsylvania State University with a B. S. Degree in 1941; entered the Graduate School of the University of Illinois in the Fall of 1941, and obtained the Ph.D. Degree in 1944, under the direction of Professor C. S. Marvel. From 1946 to 1947, he held a DuPont Postdoctoral Fellowship at the Massachusetts Institute of Technology with Professor A. C. Cope.

He served as Associate Director and Director of the Polymer Research Institute, as Head of the Department of Chemistry, as Acting Vice President for Research, and as Dean of Science at Brooklyn. In 1967, he became Chairman of the Department of Chemistry at the University of Michigan. In 1968, he helped establish and became Director of the Macromolecular Research Center there.

Dr. Overberger is Past Chairman of the New York Section, Past Chairman of the Polymer Division and is a Past President of the American Chemical Society. He is a titular member from the United States of the Macromolecular Division of the International Union of Pure and Applied Chemistry; he is a member of the Council of the American Association for the Advancement of Science; and Chairman Elect, National Committee of IUPAC, National Academy of Science, National Research Council.

Dr. Overberger is one of the editors of a review journal - FORT SCHRITTE DER HOHPOLYMEREN-FORSCHUNG (ADVANCES IN POLYMER SCIENCE); an editor of the JOURNAL OF POLYMER SCIENCE; and the first editor of a new series of volumes - MACROMOLECULAR SYNTHESSES.

He received the New York award of the American Institute of Chemists in 1960; the Witco Award in the Polymer Chemistry of the American Chemical Society in 1968.

Dr. Overberger's principal researches are in the fields of synthetic organic reaction mechanism and polymer chemistry. More specifically, Dr. Overberger's researches are in the areas of ionic polymerization, reactions of free radicals in solution, the effects of structure on the decomposition of radical formers, particularly azo compounds, synthetic enzyme analogs, polymers with mercaptan sidechains, the aromatic character of cyclic sulfones and optically active polymers.

Recent Research in Macromolecules
C. G. Overberger

The lecture will review two areas of current research. One is the use of polymers as reactants in organic reactions and more specifically the use of imidazole type polymers for catalysis of ester hydrolysis and related reactions. A second topic which will be reviewed will be the synthesis and properties of asymmetric polymers in solution and in the solid state. The use of optical methods such as optical rotatory dispersion and circular dichroism, as well as dipole moment measurements, nuclear magnetic resonance, viscosity and conformational energy calculations to ascertain conformations in solutions will be discussed.

NOMINATIONS COMMITTEE

Professor Marcus Hobbs has been appointed chairman of the Nominations Committee. The committee members are Dr. William Little and Dr. Edward Tyczkowski. The committee will recommend nominees for Chairman-Elect and Secretary-Treasurer for election in the fall.

REMINDER

There is still time to submit papers for the meeting in miniature to be held Friday, May 18 at North Carolina State University.

Just send title, authors' names and audiovisual requirements to Dr. Richard Thompson
National Environmental Research Center
Research Triangle Park,
North Carolina 27717

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