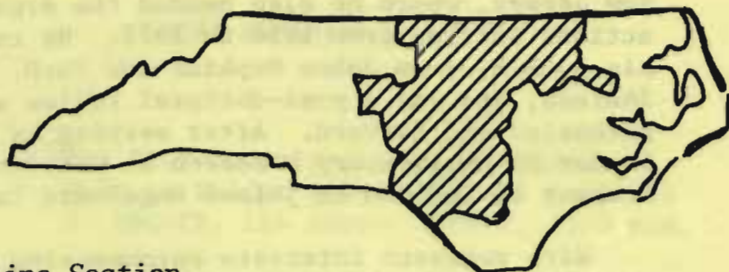


# ACTIVITIES



North Carolina Section  
AMERICAN CHEMICAL SOCIETY

OCT.

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Vol. IV, No. 2

Raleigh, N. C.

~~September~~ 1973

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## "CATALYTIC HYDROGENATION OVER PLATINUM METALS"

- Speaker: PAUL N. RYLANDER  
Engelhard Industries
- Date: October 17, 1973
- Place: Duke University  
Durham, North Carolina
- Time: 5:30 Happy Hour  
President's Room (Second Floor)  
Student Union
- 6:30 Dinner  
Oak Room (First Floor)  
Student Union
- 8:00 Lecture  
Room 103, Paul M. Gross  
Chemical Laboratory

Dr. Paul N. Rylander is presently a research associate at Engelhard Industries in Murray Hill, New Jersey, where he also headed the organic reactions section from 1956 to 1972. He received his B.Ch.E. from Johns Hopkins and Ph.D. from Indiana, and was a post-doctoral fellow at Rochester and Harvard. After serving as a group leader in exploratory research at Standard Oil Company of Indiana he joined Engelhard Industries.

With research interests encompassing any application of noble metal catalysts to organic synthesis, Dr. Rylander is the author of numerous papers and patents, and of the books "Catalytic Hydrogenation over Platinum Metals" and "Organic Synthesis with Noble Metal Catalysts".

### "Catalytic Hydrogenation over Platinum Catalysts"

by Paul N. Rylander

Catalytic hydrogenation is a powerful and widely used means of achieving controlled transformations of organic compounds. The rate and the products of hydrogenation are determined by the catalytic metal, support, solvent, reaction environment, and catalyst modifiers. The role these factors have will be discussed and broad generalities offered for choosing the most appropriate catalyst and conditions for hydrogenation of a variety of functional groups.

### HIGH SCHOOL RESEARCHERS AT DUKE

Doris Eubanks of Durham High School and Carlos Page of Hillside High School did research this summer at Duke. Doris worked with Dr. Charles Lochmuller, Carlos with Dr. Peter Smith.

They were among approximately 100 high school students nationwide who participated in "Catalyst", a program sponsored by the ACS to motivate young people from financially disadvantaged families to consider attending college.

LOCAL SEMINARS

- Oct. 15 "The Stereochemistry of Carbanions  
Next to Sulfur Functions:, E. L. Eliel  
of UNC-CH, 124 Dabney (NCSU), 4:10 p.m.
- Oct. 18 P. G. Gassman of Ohio State, 207  
Venable (UNC-CH), 4 p.m.
- Oct. 19 Ray Dessey of Virginia Polytechnic  
Institute, 103 Gross (Duke), 3:30 p.m.
- Nov. 1 L. D. Schmidt of U. of Minnesota,  
207 Venable (UNC-CH), 4 p.m.
- Nov. 2 Norbert Neuss of Eli Lilly,  
103 Gross (Duke), 3:30 p.m.
- Nov. 5 "Recent Developments in the Utilization  
of Mossbauer Spectra in the Structural  
Characterization of Iron and Ruthenium  
Compounds", Mary L. Good of Louisiana  
State, 124 Dabney (NCSU), 4:10 p.m.
- Nov. 14 J. A. Pople of Carnegie - Mellon,  
207 Venable (UNC-CH), 8 p.m.
- Nov. 16 Jerome Berson of Yale,  
103 Gross (Duke), 3:30 p.m.

PROFESSOR HORACE D. CROCKFORD

1898 - 1973

On August 16, 1973, Professor Horace D. Crockford died at the age of 74. Thus was ended 58 years of association with the University of North Carolina. After receiving a B.S. from North Carolina State College in 1920, he obtained his M.S. and Ph.D. from the University of North Carolina at Chapel Hill, in 1923 and 1926 respectively. Thereafter he rose steadily in the UNC chemistry faculty to chairman from 1958-65, and executive officer from 1965-69. After formal retirement in 1969 he continued as a consultant and professor emeritus.

An author of numerous papers and several textbooks in physical chemistry, he was a member of many honorary and professional societies. Dr. Crockford was very proud of his many years' affiliation with the U. S. Navy, including research for the Naval Research Laboratory in the 1930's, active duty as an officer in World War II, and reserve officer in Triangle units until 1957. In 1972 he was appointed Archivist of our ACS Section, an altogether fitting position for one who personally knew 90% of the Chapel Hill chemistry faculty who ever lived.

The Section expresses its deepest sympathy to his family and friends. The loss of this energetic teacher, researcher, colleague and friend leaves a void which can never truly be filled.

VIVIAN STANNETT WINS BORDEN PRIZE

Just after the September newsletter had gone to press, we learned that Dr. Vivian Stannett, Camille Dreyfus Professor of Chemical Engineering at NCSU, was given the Borden Foundation Award by the American Chemical Society. The prize, consisting of a gold medal and \$2,000, was given for his theoretical and applied research related to plastics, films, adhesives, and paints.

Just because our congratulations are belated doesn't make them any less sincere!

JOBS!        JOBS!        JOBS!

(1) NEAR--Research Triangle Park

Chemist, biochemist, or biologist with at least an M.S. or equivalent, for computerized and manual information retrieval primarily in chemical and biomedical areas. Half-time position. Contact: Dr. Monica Nees, N. C. Science and Technology Research Center, P. O. Box 12235, Research Triangle Park, N. C. 27709; phone (919)-549-8291.

(2) FAR--California!

Inorganic chemist, minimum of two years' experience in x-ray fluorescence, x-ray diffraction or atomic absorption. Job involves developing sample preparation techniques, demonstration of equipment, customer training, technical writing and some travel. Contact: Mr. Ernest Bonelli, Finnigan Corporation, 595 North Pastoria Avenue, Sunnyvale, Calif. 94086; phone (408)-732-0940.

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