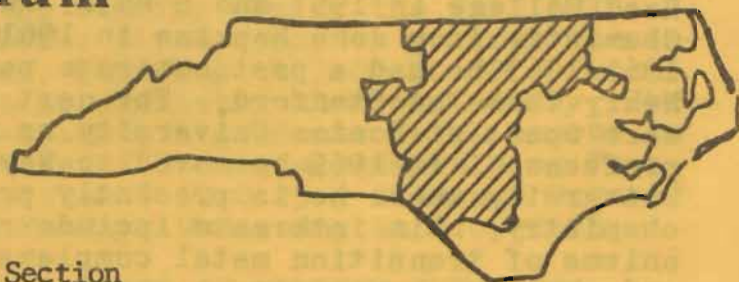


Tar^{He}lium



North Carolina Section
AMERICAN CHEMICAL SOCIETY

Vol. 5, No. 8 Raleigh, N. C. April, 1975

"MECHANISMS AND MODELS OF PHOTOREDOX
REACTIONS OF COORDINATION COMPLEXES"

- Speaker: Dr. J. F. Endicott
Wayne State University
- Date: Wednesday, April 23, 1975
- Place: University of North Carolina
Chapel Hill, North Carolina
- Time: 5:30 Happy Hour
Carolina Inn
- 6:30 Dinner (Ham Steak, Hawaiian,
\$5.50)
Carolina Inn
- 8:00 Lecture
Room 207, Venable

Dr. Endicott was born in Eugene, Oregon on August 1, 1932. He received a B.A. degree from Reed College in 1957 and a Ph.D. in Physical Chemistry from John Hopkins in 1961. During 1961-1963 he had a postdoctorate position with Henry Taube at Stanford. The next six years were spent at Boston University as an assistant professor. In 1969 he moved to Wayne State University where he is presently professor of chemistry. His interests include reaction mechanisms of transition metal complexes; chemical and physical processes in excited state species; energy transfer, electron transfer and methyl transfer reactions; chemical behavior of complexes containing macrocyclic ligands.

"MECHANISMS AND MODELS OF PHOTOREDOX REACTIONS OF COORDINATION COMPLEXES"

A considerable amount of work has been carried out on the details of photosubstitution in transition metal complexes. However, only recently have systematic mechanistic studies begun on net photoredox reactions. Photoredox processes occur upon excitation of charge transfer (CT) excited states, where the charge transfer is usually from ligand to metal. From the results of a series of studies on cobalt (III) and rhodium (III) complexes, CT excited states can give rise to efficient photoredox reactions, which, as expected, can be highly medium dependent. Flash photolysis techniques have allowed the detection of short-lived redox intermediates (e.g., Br_2^- , nitrenes, Rh (II)).

SHORT COURSE ON LIQUID CHROMATOGRAPHY

The Center for Advanced Scientific Education will present a short course on liquid chromatography on May 15-16 in Atlanta, Georgia. For more information write or phone: CASE; P.O. Box 77034; Atlanta, Georgia 30309; (404)874-2454.

EVENING CLASSES SET AT NCSU

The following chemistry courses will be offered in the evening during the fall 1975 semester at NCSU: first semester general chemistry on Tuesday, Thursday at 7:00-10:00 ; first semester organic chemistry also on Tuesday, Thursday at 7:00-10:00 ; a graduate level course in Physical Methods of Elemental Analysis on Tuesday, Thursday from 7:00-8:25 ; Advanced Organic Chemistry on Monday, Wednesday at 7:00-8:25.

INDUSTRIAL WORLD OF YOUNGER CHEMISTS

Karen Andrews of the School of Medicine at UNC-Chapel Hill presented the plans and work of the younger chemists committee at a meeting held at the University of Georgia, Athens, Georgia on March 20-21. Karen is the Chairman of the Younger Chemist's Committee of the American Chemical Society. This committee's purpose is to strengthen the academic/industrial interface by providing resources to assist educators who have the responsibility for training students for industrial careers but little or no industrial experience. The effort of this committee's work will benefit the triangle area this fall. On September 18-20 the national ACS will sponsor a pilot program in the triangle area consisting of a panel of individuals who will provide suggestions and directions in helping educators in this area handle this facet of education more productively. The discussions will take place on three different campuses. The dates and meeting places are: at UNC-Chapel Hill on September 18, at NCSU on September 19, and at Duke on September 20. Mark these dates on your calendar and plan to attend.

NEXT LOCAL ACS MEETING- SEPTEMBER 24

The April 23rd meeting is our last until the fall. The first meeting of the fall will be on September 24 at Raleigh. Dr. Vivian Stannett of NCSU will be the speaker.

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