

Vol. 12, No. 6 Raleigh, NC February 1982

"WHAT EVERYONE SHOULD KNOW ABOUT CAREERS IN CHEMISTRY"

Speaker:	Dr. J. J. Zuckerman Univeristy of Oklahoma at Norman
Date:	Tuesday, February 16, 1982
Place:	Landlubbers Chapel Hill, North Caroina
Time:	5:30 Social Hour Landlubbers (\$2.00 per drink) Highway 54, Chapel Hill
	6:30 *Dinner Landlubbers (Seafood plate: \$5.50 for members; \$2.75 for students)

7:45 Program Landlubbers

*Please make reservation by 10 am, Friday, February 12, 1982. Call Barbara Hannah at 966-1566 in Chapel Hill, Terry Laing at 684-2414 in Durham, or Tana Taylor at 737-2548 in Raleigh.

Dr. J. J. Zuckerman took a B.S. (1957) at the University of Pennsylvania where he worked under Professor A. G. MacDiarmid, an A.M. (1959) and Ph.D. (1960) at Harvard University under Professor E. G. Rochow, and an M. A. and Ph.D. (1962) at the University of Cambridge under Professor H. J. Emeleus, F.R.S., C.B.E. Professor Zuckerman taught at Cornell University from 1962 to 1968, and at the State University of New York at Albany from 1968 to 1976 where he also served as Director for Research of the campus. He has been on the faculty of the University of Oklahoma since 1976 and served as chairman of the Chemistry Department from 1976-1980. He is the author of over 100 scientific papers, is Regional Editor of Inorganic and Nuclear Chemistry Letters, and has co-edited Determination of Organic Structures by Physical Methods. He has organized several symposia for the ACS and APS in the fields of organometallic chemistry and Mössbauer spectroscopy. His research interests center on the organometallic chemistry of the fourth group elements and the study of their compounds, especially those of tin, by spectroscopic methods.

Dr. Zuckerman's talk is subtitled: "Moral Lessons for the Student and the Experienced Chemist Drawn from Great Events in the Hisotry of Our Science". He will examine stories of the significant discoveries of the last hundred years as they actually happened and will illustrate important moral lessons of abundant relevance to the present day situation of students and employees. Among these are the stories of the creation of the periodic system of the elements, the detection of the noble gases and later their compounds, the synthesis of ammonia from hydrogen and nitrogen, the discovery of radioactivity and nuclear energy, the manufacture of diamonds, the preparation of elemental fluorine and its carbon derivatives, the development of organometallic compounds and their use in chemotheraphy, warfare and as environmental pollutants, the invention of the process for winning aluminum metal from its ore, among others. Some clues available now enable predition of what the future may bring.

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CENTENNIAL SCHOLARSHIP AWARD

The North Carolina Section of the ACS announces its seventh annual CENTENNIAL SCHOLARSHIP AWARD for the summer of 1982. It carries a stipend of \$1000 (tax free).

Eligibility Requirements:

- Membership or Associate Membership in the American Chemical Society.
- (2) Attendance at a Graduate or Professional School within the geographic boundaries of the North Carolina Section of the ACS.
- (3) Successful completion of at least one year of graduate or professional study toward an advanced degree by the end of the academic year.
- (4) In the past the Section has stipulated that the recipiant receive no other support during the summer of the award. The Executive Committee is considering relaxing this requirement, but because the meeting in which this decision was to be made was cancelled due to snow, the extent of the restrictions (if any) cannot be reported in this issue.

DEADLINE FOR RECEIPT OF APPLICATION IS MARCH 19, 1982.

Send application to: Ms. Kathryn MacLoed 508 Transylvania Ave. Raleigh, N. C. 27609

Application must be accompanied with:

- One copy of each of both the undergraduate and graduate (or professional school) transcripts (listing of courses and grades will be acceptable).
- (2) Two letters of recommendation: One from the research director and one from another graduate professor.
- (3) No more than a 1000 word written summary by the applicant of the research project, which must be in a chemically related area.

CENTENNIAL SCHOLARSHIP AWARD - continued:

(4) An outline of the portion of the work planned for the period of the award (Summer 1982).

The Scholarship will be awarded on the basis of excellence of academic record, superior performance as a teaching assistant (where applicable), and promise in research and quality of application. It will be given *primarily* on the basis of past performance, rather than the quality of the actual research proposed. The award, which is not subject to renewal, will be announced at the Meeting-in-Miniature on April 23, 1982. The recipient is expected to give a 5-minutes presentation on this work at one of the fall meetings of the Section.

MEETING-IN-MINIATURE - FIRST CALL FOR PAPERS

On the afternoon of Friday, April 23, 1982 the annual Meeting-in-Miniature will be held on the campus of North Carolina State University. An application form is enclosed. The deadline for receiving titles is Friday, March 12, 1982. Please respond early to facilitate preparing the complete program for the April TarHelium.

Contributions are encouraged from both academic and non-academic laboratories. Participation by government and industrial laboratories has increased over the last two years and the Executive Committee hopes that participation by non-academic labs will be greater again this year.

Also we would be delighted to have people attend this meeting even if they do not present a paper.

APPLICATION Meeting-in-Miniature Friday, April 23, 1982 North Carolina State University Raleigh, NC	
Author(s):	
Position(s):	
Presented by:	
Institution:	
Title of Paper:	
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Section: Analytical Inorganic Organic	
Chemical Education Organic Chemical Education Physical Polymer	
Type: Regular Sesson Only: *Either Regular or Postor Session: *Poster Session Only:	
Type of Projector (if any):	-
*If sufficient interest is shown, a poster session will be added to this year's program.	
Application Deadling: Friday, March 12, 1982	
Mail to: Ms. Kathryn MacLoed USEPA-Mail Drop 69 Research Triangle Park, N. C. 27709	

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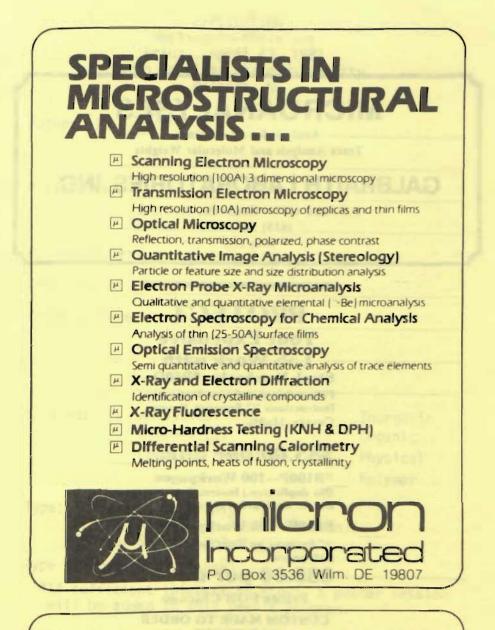
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AREA SEMINARS

Feb.	I	Dr. MARK RATNER, Northwestern University, "Intramolecular Electron and Energy Transfer: Some Theoretical Considerations," 3:30 pm, Room 124 Dabney, NCSU.
	15	Dr. RICHARD G. HISKEY, University of North Carolina-Chapel Hill, "The Role of Carboxyglutomic Acid in Blood Coagulation," 3:30 pm, Room 124 Dabney, NCSU.
	16	Dr. J. J. ZUCKERMAN, University of Oklahoma, "What Everyone Should Know About Careers in Chemistry," ACS Lecture, 7:45 pm, Landlubbers, Chapel Hill.
	18	Dr. JOHN C. TULLY, Bell Laboratories, "Dynamics of Chemical Processes of Surfaces," 11:00 am, Room 308 Venable Hall, UNC-CH.
	19	Dr. BERT FRASER-REID, University of Maryland, "Carbohydrate Derivatives in the Asymmetric Synthesis of Natural Products," 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
	26	Dr. ALBERT HAIM, State University of New York at Stoney Brook, "Thermal and Photochemical Electron Transfer Reactions of Transition Metal Com- plexes," 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.
Mar.	1	Dr. RICHARD F. BROWNER, Georgia Tech, "Sample Introduction: The Achilles Heel of Atomic Spectroscopy?" 3:30 pm, Room 124 Dabney, NCSU.
	5	Dr. ALLEN BARD, University of Texas at Austin, "Photoelectrochemistry and Photocatalysis at Semiconductors," 3:30 pm, Room 103 Gross Chemical Laboratory, Duke.

TARHELIUM IS PUBLISHED BY THE NORTH CAROLINA SECTION OF THE AMERICAN CHEMICAL SOCIETY. THE VIEWS EXPRESSED HEREIN ARE NOT NECESSARILY THOSE OF THE SECTION, DIRECT ALL CORRESPONDENCE TO DR. WILLIAM L. SWITZER, EDITOR, C/O CHEMISTRY DEPARTMENT, NORTH CAROLINA STATE UNIVERSITY, RALEIGH, N. C. 27650.

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