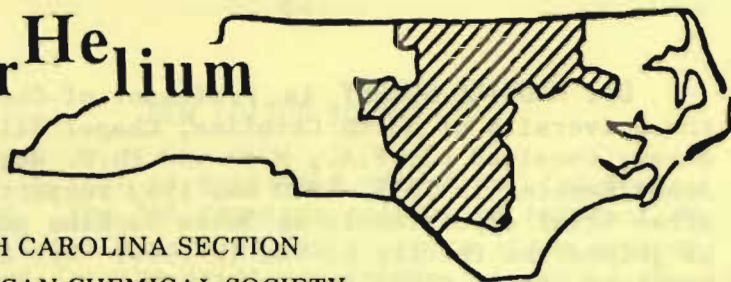


# Tar Helium



NORTH CAROLINA SECTION  
AMERICAN CHEMICAL SOCIETY

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Vol. 12, No. 1

Raleigh, N.C.

September 1981

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## "A LOOK AT MASS SPECTROSCOPY"

Speakers: Dr. Maurice Bursey - An Overview  
Dr. Joan Bursey - GC/MS  
Dr. Lynn Wright - LC/MS  
Mr. Donald Hawan - MS/MS

Date: Tuesday, September 22, 1981

Place: Holiday Inn  
15-501 By-pass  
Chapel Hill

Time: 5:30 Happy Hour  
(Cash Bar - drinks \$1.00)

6:15 \*Buffet Dinner  
(\$7.50 for Members/\$3.75 for  
students)

7:00 Program  
This 2 hour program jointly  
sponsored by the North Carolina  
Section and the Central North  
Carolina Section.

\* Please make reservations no later than Friday,  
September 18, 1981. 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. MAURICE BURSEY is Professor of Chemistry at the University of North Carolina, Chapel Hill. Dr. Bursey received his B.A., M.A. and Ph.D. degrees from Johns Hopkins in 1959, 1960 and 1963 respectively. After brief appointments at Johns Hopkins and Purdue he joined the faculty at UNC in 1966. Dr. Bursey has received both a Sloan Fellowship for his research in mass spectroscopy and a Tanner award for teaching excellence. He was Visiting Scientist at the National Institute for Environmental Health Sciences for a year and has collaborated on mass spectroscopic problems with scientists at Burrough Wellcome, the Environmental Protection Agency and the Research Triangle Institute.

Dr. JOAN BURSEY received her B.S. degree from Creighton University in 1965 and her Ph.D. degree in 1969 from the University of California, Berkley. After two years of post doctoral work at the University of North Carolina, Chapel Hill, she joined the staff at the Research Triangle Institute. Using both packed and capillary columns, she has worked on applications of GC/MS to biological and environmental matrices.

Dr. LYNN H. WRIGHT received his B.S. degree from Mississippi State University in 1962, his M.S. degree from Clemson in 1964 and his Ph.D. degree from the University of Georgia in 1970. After post doctoral work at the University of Georgia and Michigan State University, he worked for Litton Biometrics for 4 years before moving to the Environmental Protection Agency. At the EPA he has worked with MS and LC/MS of pesticides, their metabolites and toxic organic compounds.

DONALD HAWAN received his B.S. degree from Michigan State University in 1967 and his M.S. degree from Duke in 1970. He then joined the staff of the National Institute of Environmental Health Sciences. At NIEHS he has investigated fungal metabolites, the biochemistry of DNA interactions with carcinogens and the applications of mass spectroscopy to organic analysis.

### NEW EDITOR SOUGHT

The Section is seeking a new editor for the TarHelium. The job requires collecting information for each issue and preparing a camera ready copy of each issue for the printer. Anyone interested should contact the Chairman, Dr. William F. Gutknecht at the Research Triangle Institute (541-6883) or the current Editor, Dr. William L. Switzer at North Carolina State University (737-2945).

### "CATCH 22" IN BYLAWS

In order to amend the Section's bylaws, approval is required by a quorum at a local section meeting. A quorum is 5% of the membership, or about 60 members. The Executive Committee would like to change this method of approval to require a mail ballot for amendments to the bylaws. A mail ballot would allow wider participation in the voting process, but to change the procedure requires following the old procedure. As many of you know, we often fail to have a quorum at a local section meeting. During the next two issues of the TarHelium, a formal amendment will be published which changes the method of amending the bylaws. The Executive Committee will seek approval of this change at the December meeting. Please examine the amendment when it is published and plan to attend the December meeting.

### FALL SHORT COURSE ANNOUNCED

The education committee has announced that the fall short course will be entitled "Electrochemistry for the Non-electrochemist: applications in organic, biological, environmental and analytical chemistry." The course is tentatively scheduled for November 12 and 13. More details and registration forms will appear in the next TarHelium.

## AWARDS ANNOUNCED AT MEETING-IN-MINIATURE

The 1981 recipient of the Centennial Scholarship was Ms. MARCIE JONES. She received her B.S. degree at North Carolina State University and is currently a student in the Department of Biochemistry at the University of North Carolina, Chapel Hill.

Ms. DEBORAH C. DAWSON, from Durham High School, was recipient of the High School Chemistry Teachers Award. She used the award to further her education in Chemistry at Appalachian State University.

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## GENERAL CHAIRMAN OF 1984 MEETING APPOINTED

The Executive Committee is pleased to announce that Dr. WILLIAM F. LITTLE has accepted an appointment to serve as General Chairman of the 1984 Regional ACS Meeting. Dr. Little is University Distinguished Professor at the University of North Carolina-Chapel Hill where he has taught since 1956. Dr. Little is past Chairman of the Chemistry Department at UNC and has also served as Vice Chancellor of Development and Public Service at UNC. Dr. Little has served on the RTI Board of Governors for 9 years and is also a past Chairman of the Local Section of the ACS.

## ADVERTISING RATES

In an effort to help offset section expenses, the Executive Committee has authorized advertising for the TarHelium. Anyone wishing to submit an advertisement should send a camera ready copy to:

Dr. W. L. Switzer, Advertising Manager  
 % Department of Chemistry  
 North Carolina State University  
 Raleigh, N. C. 27650-5247

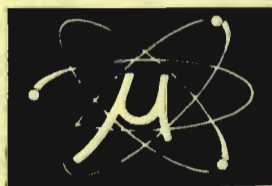
Advertising deadlines are the 10th of the month preceding publication. Rates are:

Size	Single issue	bimonthly (4 issues)	monthly (8 issues)
5.5cm x 5.5cm	\$15.00	\$13.50	\$12.75
5.5cm x 12.0cm	\$23.14	\$20.83	\$19.66
12.0cm x 5.5cm	\$23.14	\$20.83	\$19.66
12.0cm x 12.0cm	\$40.88	\$36.79	\$34.75
12.0cm x 19.0cm	\$60.00	\$54.00	\$51.00

The TarHelium still offers free advertising both for job openings appropriate to section members and for unemployed section members who are seeking employment.

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 Qualitative and quantitative elemental (Li-Be) microanalysis
- Electron Spectroscopy for Chemical Analysis**  
 Analysis of thin (25-50A) surface films
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For Further Information Contact  
 J. F. Ficca  
 302-998-1184.



## AREA SEMINARS

- Sept 3 Dr. H. A. SCHERAGA, Cornell University, "Conformational Analysis of Polypeptides and Proteins", Venable Lecture, 8:00 p.m., Room 207 Venable Hall, UNC-CH.
- 11 Dr. STEPHEN J. LIPPARD, Columbia University, "Copper Chemistry in Binucleating Macrocycles and Protein Active Sites," 3:30 p.m., Room 130 Gross Chemical Laboratory, Duke.
- 17 Dr. JAMES MARSHALL, University of South Carolina, title to be announced, 11:00 a.m., Room 308 Venable Hall, UNC-CH.
- 18 Dr. IRWIN FRIDOVICH, Duke University, "Superoxide & Superoxide Dismutases", 3:30 p.m., Room 103 Gross Chemical Laboratory, Duke.
- 21 Dr. RUDOLPH ABRAMOVICH, Clemson, Title to be announced, 3:30 p.m., Room 124 Dabney Hall, NCSU.
- 22 Dr. MAURICE BURSEY, Dr. JOAN BURSEY, Dr. LYNN WRIGHT and Mr. DONALD HAWAN, "A Look at Mass Spectroscopy," ACS Lecture, 7:00 p.m., Holiday Inn at 15-501 Bypass Chapel Hill.
- Oct 2 Dr. THOMAS A. KRENITSKY, Burroughs Wellcome Research Laboratory, "The Enzymatic Approach to Nucleoside Synthesis," 3:30 p.m., Room 103 Gross Chemical Laboratory, Duke.
- 5 Dr. JOHN BLOOR, University of Tennessee, Title to be announced, 3:30 p.m., Room 124 Dabney Hall, NCSU.
- 8,9 Dr. AKSEL BOTHNER-BY, Carnegie-Mellon University, "NMR Investigations of Peptide Structure in Solution," time/room to be announced, Gross Chemical Laboratory, Duke.
- 8,9 Dr. RICHARD W. FESSENDEN, University of Notre Dame, "The Study of Radical Reaction Kinetics by Time-Resolved NMR," time/room to be announced, 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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