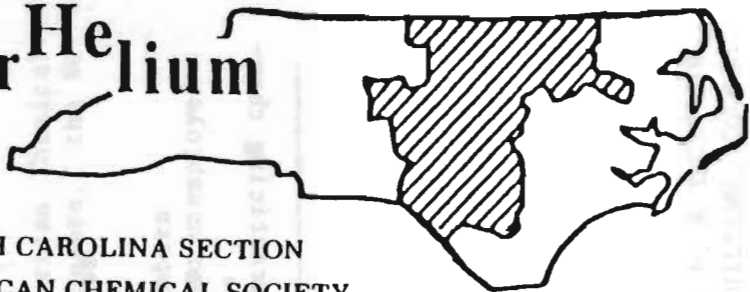


Tar Helium



NORTH CAROLINA SECTION
AMERICAN CHEMICAL SOCIETY

Vol. 15, No. 9

May, 1985

*** SPECIAL EDITION ***

!ANNOUNCING!

North Carolina Section Spring Short Course

DR. PIERRE LASZLO

Presenting

"Modern Multinuclear Magnetic Resonance"

Thursday and Friday

June 6 and 7, 1985

9:00 a.m. to 5:00 p.m. each day

There will be a reception open to all NC Section members immediately following the first day of classes. For more information, including a course application, see inside.

NORTH CAROLINA SECTION SPRING SHORT COURSE

"MODERN MULTINUCLEAR MAGNETIC RESONANCE"

DATES: Thursday and Friday, June 6-7, 1985

TIME: 9:00 a.m. to 5:00 p.m. each day

PLACE: Research Triangle Institute
Dreyfus Auditorium
Cornwallis Road
Research Triangle Park, NC 27709

INSTRUCTOR: Dr. Pierre Laszlo
University of Liege, Belgium

COURSE DESCRIPTION:

The focus of this course will be on applications of interest to practicing chemists. Topics which will be covered include:

- a) Carbon-13 NMR - Main features and organic chemical applications
 - Chemical shifts
 - Relaxation
 - Applications to organometallics and biomolecules
- b) Deuterium NMR
- c) Transition Metal NMR
- d) Two-dimensional NMR - Principles
 - Selected applications
 - Use in automated structure determination
 - Introduction to the density matrix formalism
- e) NMR of Alkali Metal Nuclei - Emphasis on organic applications
- f) Studies on the Binding of Small Molecules
- g) Metabolic Studies Using Phosphorus-31 NMR

Since Dreyfus Auditorium will accommodate only a limited number of applicants, please complete your registration by June 3. If you have any questions, please call Dr. Todd A. Craig (549-2633).

REGISTRATION FORM

Enclosed is a check (payable to the North Carolina Section, American Chemical Society) as registration fee for "Modern Multinuclear Magnetic Resonance," the NC Section's spring short course to be held June 6 and 7 at RTI.

_____ \$75 non-member
_____ \$20 students, teachers,
retired, post-doctoral

_____ \$60 ACS members
_____ No charge to unemployed
ACS members

NAME: _____

PHONE: _____ HIGHEST DEGREE: _____

BUSINESS ADDRESS: _____

SEND TO: Dr. William Hatfield
Treasurer, NC Section ACS
Department of Chemistry
University of North Carolina
Chapel Hill, NC 27514

IMMEDIATELY FOLLOWING THE FIRST DAY OF CLASSES ON THURSDAY, JUNE 6, A RECEPTION HONORING DR. LASZLO WILL BE HELD IN THE LOBBY OF THE DREYFUS BUILDING. COURSE PARTICIPANTS AND ALL NC SECTION MEMBERS ARE CORDIALLY INVITED TO ATTEND.

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 F. GUTKNECHT, EDITOR, OR CAROLYN W. BILBRO, EDITORIAL ASSISTANT, ENVIRONMENTAL CHEMISTRY DEPARTMENT, RESEARCH TRIANGLE INSTITUTE, P.O. BOX 12194, RESEARCH TRIANGLE PARK, N.C. 27709.

Non-Profit
Organization
U.S. POSTAGE
PAID
Raleigh, N.C.

PERMIT NO. 491

0137835L 04/85 ZG 426 1
DR ROBERT GEORGE GHIRARDELLI
US ARMY RES OFFICE
POB 12211
RES TRIANGLE PARK NC 27709

EXECUTIVE COMMITTEE

Robert Izydore (NCCU), Chairman
Eric Bigham (BW), Chairman Elect
Lynn Wright (EPA), Secretary
William Hatfield (UNC), Treasurer
William Gutknecht (RTI), Editor
Marcus Hobbs (Duke), Councilor
William Switzer (NCSU), Councilor
Maurice Bursey (UNC), Councilor
Peter Smith (Duke), Alternate Councilor
William Gutknecht (RTI), Alternate Councilor
Halbert Carmichael (NCSU), Alternate Councilor
Kathryn MacLeod (Mallinckrodt), Past Chairman
Louis Quin (Duke), Past Chairman
Bernard Spielvogel (ARO), Past Chairman

BULK MAIL