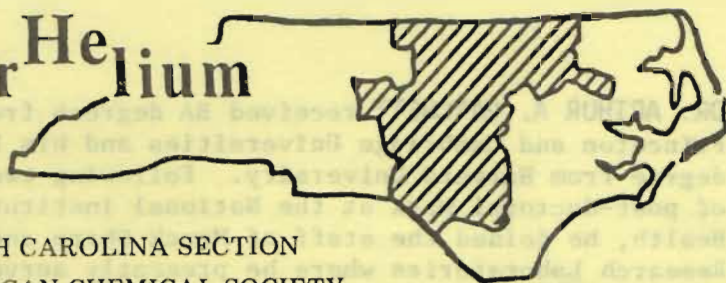


Tar Helium



NORTH CAROLINA SECTION
AMERICAN CHEMICAL SOCIETY

Vol. 8, No. 4 Raleigh, N. C. December, 1977

"CURRENT TRENDS IN THE DISCOVERY AND DESIGN OF NEW DRUGS"

Speaker: Dr. Arthur A. Patchett
 Merck Sharp and Dohme Research Laboratory
 Rahway, New Jersey

Date: Tuesday, December 6, 1977

Place: Meredith College
 Raleigh, North Carolina

Time: 5:30 *Wine and Cheese Party
 Packhouse - Student Union
 North Carolina State University
 (see map insert)

 6:30 *Dinner
 Meredith College
 President's Dining Room
 (Seafood Newburg and Roast Beef
 Buffet: \$5.00-full members; \$2.50-
 student & student affiliates)

 8:00 Lecture
 107 Hunter Hall
 Meredith College

* Please make reservation by Friday, December 2, 1977.
Call: Sue Hester at 966-1566 in Chapel Hill,
Bill Gutknecht at 684-2414 in Durham or Linda Hill
at 737-2548 in Raleigh.

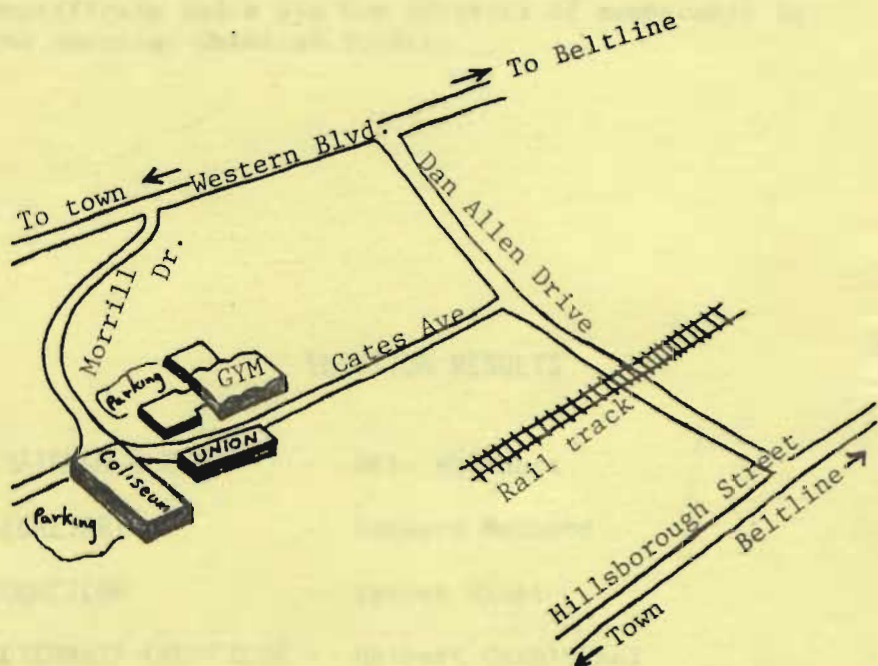
DR. ARTHUR A. PATCHETT received BA degrees from both Princeton and Cambridge Universities and his Ph.D. degree from Harvard University. Following two years of post-doctoral work at the National Institutes of Health, he joined the staff of Merck Sharp and Dohme Research Laboratories where he presently serves as Executive Director of the New Lead Discovery Department. Dr. Patchett has served both as Secretary and Chairman of the Medicinal Chemistry Division of the American Chemical Society.



The discovery of new leads is made at an interface with biology and, therefore, requires the coordination and insight of both chemists and biologists. Enzyme antagonist design, natural product sources and computer assistance to the screening process will be reviewed in terms of their current importance to new discovery. The usefulness of pattern analysis concepts will be noted in defining a lead and in expanding or contracting the attributes of a lead in response to biological requirements. An increasing emphasis on the toxicological aspects of drug design will be explored.

NEXT SECTION MEETING

The next section meeting will be held on January 17, 1978 at North Carolina State University. The speaker is Dr. Frederick Gamble, EXXON Research and Engineering. His topic is "Layered Transition Metal Sulfides: Chemistry, Physics and Energy Storage Applications."



Enter Packhouse through the basement entrance on the courtyard side of the Union.

50-YEAR MEMBERSHIP RECOGNIZED

At the December meeting of the Section, DR. CHESTER G. LANDES, Professor Emeritus of Wood and Paper Science at North Carolina State University, will receive a certificate and a pin for 50-years of membership in the American Chemical Society.

ELECTION RESULTS

CHAIRMAN-ELECT	- Eric Wiechert
SECRETARY	- Kathryn MacLeod
COUNCILOR	- Ernest Eliel
ALTERNATE COUNCILOR	- Halbert Carmichael

NEW STUDENT AFFILIATE CHAPTER FORMED

On November 29, Dr. Suzzane T. Purrington will present the charter certificate to the new student affiliate chapter at Fayetteville State University.

EXECUTIVE COMMITTEE

- Suzanne Purrington (NCSU), Chairman
Richard Palmer (Duke), Chairman-Elect
Kathy MacLeod (EPA), Secretary
Forrest Getzen (NCSU), Treasurer
Marcus Hobbs (Duke), Councilor
Maurice Bursay (UNC), Councilor
Ernest Eliel (UNC), Councilor
Robert Ghirardalli (ARO), Alternate Councilor
Sally M. Horner (Meredith), Alternate Councilor
Richard J. Thompson (EPA), Alternate Councilor
and Past Chairman
Monica Nees (NCSTRC), Past Chair
Maurice Bursay (UNC), Past Chairman

COMMITTEE CHAIRMEN

- Awards - Derek Hodgson (UNC)
Certification - Richard J. Thompson (EPA)
Education - James L. Coke (UNC)
Hospitality - William Gutnecht (Duke)
Membership - Lawrence Bowen (NCSU)
Nominating - Howard Clark (Duke)
Program - Richard Palmer (Duke)
Publication - Halbert Carmichael (NCSU)
Public Relations - Marcus Hobbs (Duke)
Safety - Edward Tyczkowski (Armageddon)
Scholarship - David Yeowell (BW)

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