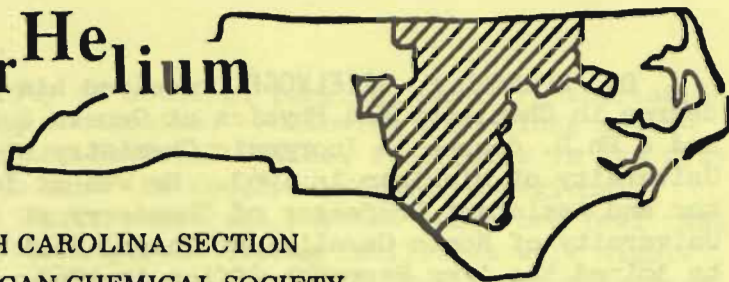


Tar<sup>He</sup>lium



NORTH CAROLINA SECTION  
AMERICAN CHEMICAL SOCIETY

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"SYNTHESIS OF BIOLOGICALLY ACTIVE BORON  
ANALOGS OF THE  $\alpha$ -AMINO ACIDS"

Speaker: Dr. Bernard F. Spielvogel

Date: Tuesday, December 5, 1978

Place: Meredith College  
Raleigh, North Carolina

Time: 5:30 Happy Hour  
1416 Dixie Trail, Raleigh,  
North Carolina, (parking on  
Farrior Road, see directions  
on page 3)

6:30 \*Dinner  
President's Dining Room,  
Meredith College (\$5.50 full  
members; \$2.25 student and  
affiliate members)

8:00 Lecture  
Room 107  
Hunter Hall, Meredith College

\*Please make reservations by noon on Friday, December 1, 1978. Call Sue Hester at 966-1566 in Chapel Hill, Terry Laing at 684-2414 in Durham or Linda Hill at 737-2548 in Raleigh.

DR. BERNARD F. SPIELVOGEL received his B.S. degree in Chemistry and Physics at Geneva College and a Ph.D. degree in Inorganic Chemistry at the University of Michigan in 1963. He was an Instructor and Assistant Professor of Chemistry at the University of North Carolina at Chapel Hill before he joined the Army Research Office in 1967. He currently serves as Chief, Inorganic and Analytical Branch, Chemistry and Biological Sciences Division, at ARO. Dr. Spielvogel also holds the position of Adjunct Associate Professor in the Chemistry Department at Duke University.

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The principal goal of our research at Duke University is the synthesis and characterization of isoelectronic and isostructural boron analogs of the  $\alpha$ -amino acids, their precursors and derivatives. Our interest in these boron analogs lies mainly in their potential biological activity when compared with the enormous biological activity of the  $\alpha$ -amino acids. The synthesis of some of the first examples of boron analogs of amino acids from the precursor (boro) aminonitrites will be described. These novel boron compounds have been found to possess powerful anti-arthritic activity as well as anti-inflammatory, antitumor, and hypolipidemic activity in rodents in studies carried out by Professor Iris Hall at the University of North Carolina.

#### REPORT FROM THE EXECUTIVE COMMITTEE

During its September and October meetings, the Executive Committee heard reports from the *ad hoc* planning committee for the 1984 Regional ACS Meeting. Under consideration are the Raleigh Civic Center and McKimmon Extension Center. Meeting facilities at both locations in Raleigh have been judged adequate. The committee has also considered the

availability of housing, parking, mass transportation, and dining facilities. Following guidelines established by the National Office, facilities in the City of Raleigh meet the requirements for a regional meeting. Furthermore all parties concerned feel that housing, parking, and dining facilities will significantly improve before the 1984 Meeting. Therefore, during the November Regional Meeting in Savannah, the Section announced its intention to bid for the 1984 Meeting in the Raleigh/Research Triangle area. The announcement is not binding; a formal bid will be made in 1979 if the regional meeting continues to appear feasible.

The November Meeting of the Executive Committee considered the preliminary 1979 budget.

#### DIRECTIONS TO HAPPY HOUR

Inbound lanes of I-40 become Wade Avenue at the first traffic light in Raleigh. Dixie Trail intersects Wade at the third light. From I-40 turn left onto Dixie Trail. When approaching from Wade, 1416 Dixie Trail is located on the right, four blocks north at the corner of Farrior Road. Please park off Dixie Trail on Farrior Road or connecting streets.

\*\*\* REMEMBER TO VOTE \*\*\*

Deadline is December 1, 1978.



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