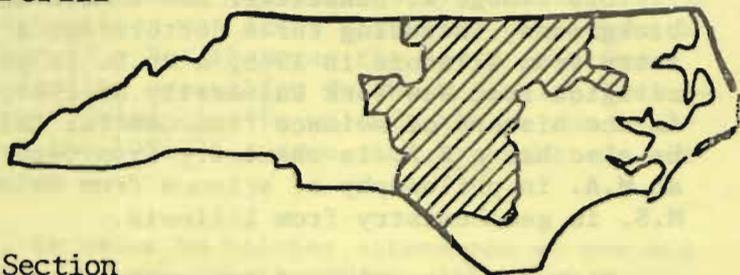


# Tar<sup>He</sup>lium



North Carolina Section  
AMERICAN CHEMICAL SOCIETY

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Vol. 5, No. 1

Raleigh, N. C.

September, 1974

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## "PHOTOELECTRON SPECTROSCOPY"

- Speaker: George K. Schweitzer  
The University of Tennessee  
Knoxville, Tennessee
- Date: Monday, September 9, 1974
- Place: Raleigh, North Carolina
- Time: 4:00 Lecture  
NCSU, Room 124 Dabney
- 5:45 Happy Hour  
Don Murray's  
2751 North Blvd., Raleigh
- 6:30 Dinner (\$3.50 including tip)  
Don Murray's

Dr. George K. Schweitzer has a most unusual academic background, including three doctorates: a Ph.D. in chemistry from Illinois in 1948, a Ph.D. in philosophy of religion from New York University in 1964, and an Sc.D. in the history of science from Central College in 1964. He also has a B.A. in chemistry from Central College, an M.A. in philosophy of science from Columbia and an M.S. in geochemistry from Illinois.

With the exception of two years at Columbia, he has been on the faculty of the University of Tennessee at Knoxville since 1948. In 1970 he attained his present position as Alumni Distinguished Service Professor of Chemistry.

In addition to more than 100 research papers in inorganic and radiochemistry, Dr. Schweitzer has written two books "Radioactive Tracer Techniques" and "The Doctorate", and many papers and essays on the philosophies of religion and science. He has lectured on science, philosophy and religion on some 400 campuses and to numerous educational, civic, business and professional organizations.

## "Photoelectron Spectroscopy"

by George K. Schweitzer

The newly-formed and rapidly-developing discipline of photoelectron spectroscopy will be discussed. After a brief treatment of its basic principles, various types of instruments for photoelectron spectroscopic measurements will be treated. Then, a fairly wide variety of applications in different branches of chemistry will be given. Particular attention will be paid to chemical bonding with special reference to the insights of molecular orbital theory.

## NOTES FROM THE EDITOR

If the preceeding page sounds vaguely familiar ... it should! Dr. Schweitzer was first scheduled to talk with us last December 17. But that was the day of the Great Snow, which cancelled everything in the Triangle, including our meeting. We're glad to welcome him as our lead-off speaker for the 1974-75 season, and hope that we can guarantee No Snow.

This year, in order to bolster attendance at our ACS section meetings, we are experimenting with joint sponsorship of seminars and colloquia at Triangle universities. This September meeting is being held in conjunction with NCSU's seminar series.

Once again we want to publicize all seminars of interest in the area. Be sure to include not only the date, time, location and speaker's name, but if at all possible, the title as well. Press time for TARHELIUM has to be approximately three weeks prior to the date of the ACS section meeting, so get your seminar schedule in early.

And, most important, remember that it is our section policy to advertise scientific and technical job openings free of charge. I myself have found two excellent employees in this manner, and want to encourage everyone to utilize this invaluable service.

Monica Nees, Editor

### ALPHA CHI SIGMA CHAPTER, ANYONE?

Dr. Joan Bursey, one of the first female fraternity "brothers" of Alpha Chi Sigma, the chemical fraternity, would like to hear from other members who would be interested in starting a professional chapter. She can be reached at the Life Sciences Division, Research Triangle Institute, Research Triangle Park, N. C. 27709; phone 549-8311 x 590.

Joan, our Membership chairperson, is bonded to Maurice Bursey, our Chairman-elect and faculty sponsor of the Rho chapter of Alpha Chi Sigma at UNC-CH.

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