

ACTIVITIES



North Carolina Section American Chemical Society

Vol. III, No. 2

Raleigh, N. C.

November 1972

JOSEPH PARK TO ADDRESS

NOVEMBER MEETING

Dr. Joseph D. Park of the University of Colorado will speak to the November meeting on "Five Decades of Fun and Fundamentals with Fluorine." The meeting will be on WEDNESDAY, November 15 in Chapel Hill. A gratis social hour will begin at 5:30 and dinner at 6:30 at the Ranch House Restaurant. The dinner will be a small filet @\$6.19, including tip. The talk will be at 8:15 in Venable 207.

Dr. Park was born in Hawaii in 1906 and received his Ch.E. from the University of Dayton. After working at the Frigidaire Division of General Motors on the development of "Freons", he returned to graduate school at Ohio State, where he received his Ph.D. in 1937. His next ten years were spent with DuPont. During this period he received thirty patents covering both new compositions of matter and processes relating to flourine chemistry.

Since 1947 Dr. Park has been at the University of Colorado where he is now Professor of Chemistry. An abstract of Dr. Park's talk appears on page 2.

LOCAL SECTION BALLOT IS ENCLOSED

ABSTRACT ON DR. PARK'S TALK

"Five Decades of Fun and Fundamentals with Fluorine"

The early years of the development of classical fluoroorganic chemistry are recounted covering the period of Midgley and Henne down to the present time.

The work resulting in the "Freons" is described along with those that led to $\text{CF}_2=\text{CF}_2$, $\text{CF}_3-\text{CF}=\text{CF}_2$ and other reactive monomers which eventually ended up with "Teflon", "Viton-A", "Dulite", etc., and one publication.

From these commercial products, it was just a hop-skip-and a jump from industry to academia and continuation of studies involving the following areas:

- 1) Calorimetric studies of fluoroolefins
- 2) Continuation of studies in the syntheses of various olefins leading to the production of numerous novel compounds.
- 3) Ionic and free radical reactions of the fluoroolefins
- 4) Nucleophilic displacement studies of the perhalocycloalkenes
- 5) Thermal studies involving diiodoperhalocycloalkenes leading to the formation of various thermally stable organometallic compounds and fluorinated benzene derivatives.

This is a talk of general interest with some demonstration.

PRESIDENTIAL POLITICS

The current campaign for President-Elect of the American Chemical Society is once again a hotly contested one. As in 1971, there are three candidates on the ballot: Bernard S. Friedman, Milton Harris, and Henry A. Hill. Biographies of all three men, together with their answers to several questions about operation of the society appear in the Oct. 23 issue of "Chemical and Engineering News".

CALENDER OF COMING EVENTS

- November 6, 1972 H. Vermeer, University of Amsterdam
at NCSU, 4:00 p.m.
- November 9, 1972 Peter Hinkle, Cornell University, at
UNC-CH, 4:00 p.m.
- November 10, 1972 J. W. Huffman, Clemson University, at
Duke
- November 17, 1972 E. L. Eliel, University of North
Carolina, at Duke
- November 20, 1972 Ronald Lawler, Brown University, at
NCSU, 4:00 p.m.
- November 30, 1972 Richard S. Bear, University of North
Carolina, at UNC-CH, 4:00 p.m.
- December 7, 1972 Jean H. Futrell, University of Utah,
at UNC-CH, 4:00 p.m.
- December 12, 1972 J. A. Hodgeson, EPA, ACS meeting at
Duke
- January 9, 1973 Mr. Henry Maso, Past Pres. Natl. Soc.
Cosm. Chem. - ACS Lady's Night at
Raleigh.

PRESIDENTIAL POLITICS (CON'T)

The North Carolina Section has been asked by CHEMICAL GRASSROOTS to include a flyer supporting Dr. Friedman's candidacy in our mailing. The flyer includes a strong endorsement of Dr. Friedman by Alan Nixon, the current President-Elect. For further information you may write: GRASSROOTS, 2140 Shattuck Ave., #1102, Berkeley, Calif. 94704.

The North Carolina Section has endorsed no candidate for any national office. The flyer has not been enclosed but this note should make the membership aware of the above request.

NOMINEES FOR LOCAL SECTION OFFICES

RICHARD J. THOMPSON was born at Chapman Ranch, Texas in 1927. He received his B.S., M.A. and Ph.D. from the University of Texas. After teaching at North Texas State and Texas Tech, Dr. Thompson joined the government service in 1968 and is now Chief of the Air Quality Analytical Branch at the Environmental Protection Agency Research Center in the Triangle. Dr. Thompson was chairman of the South Plains Section of the ACS in 1966.

MARCUS HOBBS was born in Chadbourn, N. C. in 1909 and received his A.B., M.A. and Ph.D. from Duke. He has been on the Duke faculty since 1936 and a Professor of Chemistry since 1949. He served as Dean of the Graduate School of Arts and Science, 1954-59, as Dean of the University, 1958-63 and as Provost, 1969-70. He is a member of the National Research Council and has served as Alternate Councilor for several terms.

WILLIAM P. UTERMOHLEN was born in Kansas City, Kansas in 1916. He received his A.B. from the University of Kansas and his A.M. and Ph.D. from the University of Nebraska. He was technical Director for F. G. Findley Co. 1959-1964 and has been Product Develop. Dir., Almay Div. of Schieffelin & Co. in Apex since then. Dr. Utermohlen is president-elect of the North Carolina Institute of the American Institute of Chemists, and he has served on the Professional Relations Committee for this Section and is presently its chairman.

RICHARD D. GILBERT was born in Winnipeg in 1920. He received his B.S. from Manitoba and his M.S. and Ph.D. from Notre Dame. After serving as group leader for the Naugatuck Chemical Division of U.S. Rubber, he joined the Textile Chemistry Department of North Carolina State University in 1966. He is presently Professor of Textile Chemistry. He has just completed a term as chairman of the Awards Committee in this Section.

J. KEITH LAWSON, JR. was born in Washington, D. C. in 1917. He received his B.S. from the University of Maryland and his Ph.D. from the University of Minnesota. He has been a chemist and group leader for Chemstrand Corp. since 1951 and has served as Secretary-Treasurer, Chairman, and Councilor for the N. C. Section, ACS.

B A L L O T

NORTH CAROLINA SECTION - AMERICAN CHEMICAL SOCIETY

for CHAIRMAN-ELECT

Richard Thompson

.

for COUNCILOR (Seat A)

Marcus Hobbs

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for COUNCILOR (Seat B)

William Utermohlen

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for ALTERNATE COUNCILORS (Vote for 2)

Keith Lawson

Richard Gilbert

.

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Enclose this ballot in a signed envelope and return promptly to: Dr. Maurice Bursey
Department of Chemistry
University of North Carolina
Chapel Hill, North Carolina 27514

EXECUTIVE COMMITTEE

A meeting of the Executive Committee was held just before the October meeting at the North Carolina State Faculty Club on October 18, 1972.

The following actions were taken:

- 1) The committee voted to give notice at the Southeastern Regional Meeting in Birmingham in November of intent to submit a bid in 1974 for the 1979 Southeastern Regional Meeting, thereby approving a report by the *ad hoc* subcommittee to investigate the feasibility of extending such a bid. The subcommittee included Maurice Bursey, Marcus Hobbs and Keith Lawson.
- 2) Maurice Bursey had received a request to circulate a leaflet in favor of a candidate by petition for President-Elect, Dr. Bernard S. Friedman of the Chicago Section. The committee voted to include information about Dr. Friedman's candidacy in the next issue of Activities, together with a disclaimer of endorsement by the section of any candidate running for a Society office.
- 3) The committee voted to conduct the November election by a mail ballot to be included in the next issue of Activities.
- 4) The committee voted in favor of a proposed by-laws amendment distributed to members of the committee by Maurice Bursey on September 21, 1972. The proposed amendment was suggested by our gaining a third seat on the Council. As it now stands, we must elect two councilors and two alternate councilors at the next section meeting. One councilor and one alternate councilor were elected in 1971. All terms are for three years, and so we have a three-year cycle of elections in which one, then two, then no, councilor (or alternate councilor) is elected. It might be better to have the cycle run one, one, one. This amendment will provide a mechanism for making such a change, though it does not require action. It is modeled after a by-law of the North Jersey Section which was supplied to us by the national office. The amendment is given on the facing page.

Add to By-Law VI, Section II:

Their terms of office shall be staggered so that approximately one-third of the Councilors and one-third of the Alternate Councilors shall be chosen at each annual election. Whenever it may become necessary to synchronize the three-year periods of office for Councilors and Alternate Councilors so that the number of Councilors and Alternate Councilors to be newly elected for a three-year term shall more nearly approximate one-third of the total Councilors and one-third of the total Alternate Councilors respectively, the Executive Committee may designate any actual or impending vacancy as an unexpired term and determine that such term shall expire the following January 1 or one, two or three years thereafter.

To become effective, this amendment must be approved by a two-thirds vote of the members present at the second meeting of the section after notice of the proposed amendment is given and by the Council of the society. Because this will require several months, it will not affect the terms of office of councilors elected this November even if it is approved by both bodies.

JOBS JOBS JOBS

The following openings for chemists are available:

Experienced product development chemist with experience in cosmetics or toilet goods. Contact: Mr. Jerry Patrick, Pers. Manager, Schieffelin & Co., Apex, N. C. 27502

Part-time work for graduate students: manual searching need background in organic chemistry and experience with Chem Abstracts. Contact: Dr. Monica Nees, N.C. Science and Technology Res. Center, Res. Triangle Park or phone 549-8291.

Immuno Chemist: Should have BS in Chemistry and Ph.D. in Immunology. Contact: W. Bromby or Dr. J. J. Tulis, Becton-Dickenson & Co., Box 12096, Res. Tri. Park.

THE NORTH CAROLINA SECTION OF THE AMERICAN CHEMICAL SOCIETY

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