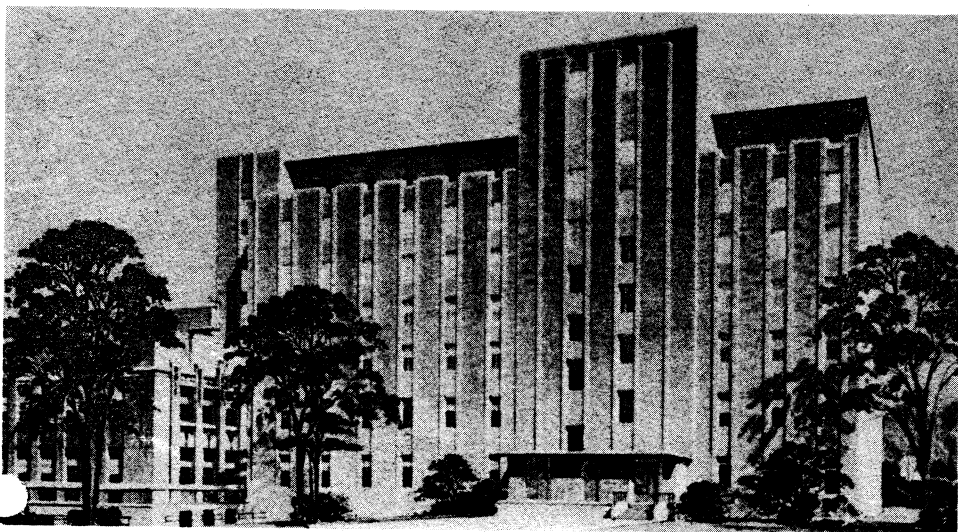


# NEWSLETTER

## Indiana University Association of Chemists



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## Association News

## Meetings

At the last meeting of the Association, a Social Hour in Chicago in September, the following officers were elected: George F. Bulbenko (PhD'58), of Thiokol Chemical Corporation -- President; R. Vincent Cash (PhD'52), Professor of Chemistry at Central Connecticut State College (New Britain) -- President-Elect; Dr. Harry G. Day -- Secretary-Treasurer. The Advisory Council members are John C. Warner (PhD'23), Henry S. Rothrock (AB'26), Gerald Recktenwald (PhD'55), Pearle A. Monroe (PhD'52), and Joseph R. Leal (PhD'52). The Council is made up of the five most recent past presidents.

The next meeting will be held in San Francisco Monday, April 1, at the time of the National ACS meeting. It will be a Social Hour held in the Telegraph Hill Room of the Jack Tar at 5:30. There will also be a get together of the biochemists and other I. U. alumni at an I. U. Breakfast in the Bakewell Room, Haddon Hall at 7:45 a. m. on Wednesday, April 17, in conjunction with the meeting of the Federation of American Societies of Experimental Biology at Atlantic City.

## Treasurer's Report

Balance, 23 May 1967	407.49	
Receipts (contributions from alumni and friends)	<u>52.33</u>	459.82
Expenditures		
Social Hour at Chicago		<u>20.00</u>
Balance, 27 February 1968		439.82

The cost of the Newsletter mailed in December and the cost of the Spring Newsletter are not yet known but the total will certainly cut deeply into our working balance. Interested alumni and friends who have not recently made contributions to help meet the costs are surely invited to make contributions.

Harry G. Day

As this Newsletter goes to press, we are working on completion and printing of a new Directory of AIUC. We have not received Directory information from a great many of you. In the interest of having it as complete as possible, could you please send us information about yourself (if you have not already done so within the past eighteen months) that we can use. The Directory will not be used as a mailing list available to everyone but will be given to those alumni of the Department requesting it and to the chemistry department personnel. The information needed includes: full name, home address, degrees and dates, employer (and title of position), and any other information you may wish to send including news we can use in the Newsletter. We expect to complete the Directory this year.

E. M. Greene

### News of the Department

The most exciting development recently has been the start of planning for the second addition to the Chemistry Building. It is still too early to tell you much about it as the plans are only in the bare outline stage. The I. U. architects are working on several plans for consideration, but many decisions have yet to be made before the location and final form can be selected. The space requirements have been determined, and preliminary plans include a total floor space slightly greater than that of the first addition. The building will provide 50 research laboratories, which will accommodate 200 researchers. Also, there will be a large two-level seminar room. There is proportional space designated for offices, small seminar rooms, general use instrument rooms, shops and work rooms, storage, etc. At present it is

proposed to locate the machine shops in the second addition thus freeing space in the existing building for expansion of the chemistry stores. It is hoped that the chemistry groups now operating in Wiley Hall can be gathered into the new fold so we will all be under one roof.

Efforts are being made to get the final plans worked out early in 1969 in order that they may be presented for bids that spring. If all goes well it is possible that construction may start in the fall of 1969. We have so quickly outgrown our present quarters that the need for more space is again critical. Coordination of the planning is in the capable hands of Dr. Kaslow, who so ably piloted the first addition through its planning and construction. Dr. Nebergall is also participating.

The Department welcomed two new faculty members in September. Dr. Adam Allerhand, a native of Krakow, Poland, is in the field of physical chemistry. He came to I. U. from The Johns Hopkins University where he was Assistant Professor. He completed the Ph. D. degree at Princeton University and subsequently taught at the University of Illinois, carrying on research with Professor H. S. Gutowsky. Dr. George Hartwell graduated from Union College and was awarded the Ph. D. degree at the University of Illinois. He was a NATO Fellow at the University of London where he worked with Dr. G. Wilkinson in inorganic research. He was born in Port Jervis, New York. A Visiting Professor during the first semester was Dr. James S. Shannon who presented a course in mass spectroscopy. He came from Australia on leave from CSIRO, associated with its Division of Coal Research. Dr. Jurgen Geiger of the Technische Universitat of Berlin, a physical chemist, is a Visiting Associate Professor for the second semester. He is giving a course in electron impact spectroscopy. Miss Martha Winstead, Chief of Quality Control at the South Bend Medical Foundation, is a Visiting Lecturer during the second semester. She is giving a course in clinical chemistry which is also presented via television in the I. U. Medical Center in Indianapolis. Miss Winstead is well known in Indiana for her work in this field, having been chief technologist in South Bend hospitals and having taught courses in medical technology and developed several uses of instrumentation in clinical problems.

Dr. Walter J. Moore is at present in Brisbane, Australia, continuing his studies of the chemistry of nerve impulse transmission. He will return

in September. Dr. Ernest Wenkert is spending a sabbatical leave as Visiting Professor at the Institute de Chimie des Substances Naturelle at Gif-sur-Yvette, France. Dr. Stanley Hagstrom will return in June from Palo Alto, California, where he has been carrying on research in quantum chemistry at the Research Laboratories of the Lockheed Missiles and Space Company.

Dr. Eugene Cordes and two of his graduate students, Martin Price and Donald Clark, are spending two and one half months in the research laboratories of Dr. Jan Baumrucker at the Central University in Caracas, Venezuela. They will return to I. U. the latter part of April. Mrs. Cordes and the children accompanied Dr. Cordes on this trip.

Dr. Dennis Peters became Graduate Adviser last summer succeeding Dr. Campaigne who had served since 1957. Dr. Ralph Seifert has been appointed to the Advisory Board of the Journal of Physical Chemistry. Dr. Walter Moore also continues to serve as a member. The first British edition of the textbook Physical Chemistry by Professors Gucker and Seifert was published in December by English Universities Press, London. This text was first published in 1966 by W. W. Norton and Company, New York. Dr. Gucker is Chairman of the American Chemical Society Committee on Nominations and Elections for 1968. He became Chairman of the Commission on Liberal Learning of the Association of American Colleges in January 1968 and continues to be active on the Inter-University Committee on Travel Grants, attending the national policy meeting in San Francisco February 29 - March 1. As the readers of the Chem. & Eng. News are aware, Dr. Campaigne became Chairman, Division on Medicinal Chemistry, of the ACS, in January of this year.

Many of the faculty have been active in filling speaking engagement concerning their fields of research. In November Distinguished Service Professor Emeritus Haurowitz lectured to the Department of Biochemistry at Wayne State University, Detroit, on the structure of antibodies. He was invited to speak in January at the Oak Ridge National Laboratory on the structure of antibodies and at the Memorial Research Center in Knoxville on heterogeneity and production of antibodies. Dr. Russell Bonham participated in the Seminar on Sigma Orbitals at Yale University in December. Professor V. J. Shiner gave the Dains Memorial Lecture at the University of Kansas in November. His subject was, "Deuterium Effects

on Solvolysis Rates." Dr. Joseph Gajewski spoke to the February meeting of the Indiana Section of the ACS at Butler University on "Vicinal Alkyl Shifts in Axially Dissymmetric Spiropentane Thermolyses."

Dr. J. K. Crandall has been invited to speak at the University of Colorado Chemistry Department in March on "Strained Ring Epoxides." Professor John Billman lectured in December at Goshen College on recent advances in the area of cancer chemotherapy. Professor Ernest Wenkert was invited to speak at the Second Natural Products Symposium which took place in January in Kingston, Jamaica. His topic was alkaloid synthesis. He also spoke at the Southeastern ACS Regional Meeting in Atlanta in November. Professor Ernest Campaigne recently returned from a speaking tour of the South Central Sections of the American Chemical Society in February, giving eight talks to Sections and in addition lecturing at the Birmingham Southern University and at Vanderbilt University. He has been invited to participate in the meeting of The Heterocyclic Group of the Chemical Society at the University of Salford, Lancashire, England, in April. Aspects of Heterocyclic Sulfur Chemistry will be discussed at the meeting, and Dr. Campaigne will present a paper entitled, "The Biological Properties of Some Sulfur Heterocycles." He also appeared on the Jim Gerard television show last September in Indianapolis, giving an interview on the synthesis and biological activity of sulfur analogs of some biogenic amines.

#### Alumni Notes

Congratulations to Nolan B. Sommer (PhD '44) who receives the 1968 Honor Award of the Commercial Development Association in March. Dr. Sommer has been associated with the American Cyanamid Company ever since he left L. U. and has served in many capacities including management of several divisions and the presidencies of Jefferson Chemical and of the Formica Corporation, subsidiaries of Cyanamid. At present he is Vice President and Director of the management and finance committee which determines the company policies. Dr. Sommer studied under Dr. Christian Kaslow and Dr. Ralph Shiner at L. U.

Dr. Harry C. Gatos (MA '48) has been named Associate Director of the Center for Materials Science and Engineering at Massachusetts Institute

of Technology. Warren E. Buddenbaum (PhD '64) has joined the Oregon Graduate Center for Study and Research at Portland as Assistant Professor of Physical Chemistry. He was formerly at the University of Illinois, Urbana. Louis F. Romain (MS '63) is in the School of Aerospace Medicine at Brooks Air Force Base, Texas, where he is a neurologist. He has the rank of Captain. Frank Momany (MS '61), previously at Colorado State University, has joined the Cornell University Chemistry Department. Dr. Jay A. Young (BS '39), Chairman of the Chemistry Department of King's College, is Chairman of the ACS Susquehanna Valley Section, and James D. McChesney (PhD '65), Department of Botany, University of Kansas, is Secretary of the University of Kansas Section for 1968.

Leon Ellenbogen (PhD '54) has been named Senior Research Scientist at the Lederle Laboratories, Pearl River, New York. David Prather (BS '61, MS Ed '62) has been teaching in the Silver Creek Twp. High School at Sellersburg, Indiana, since 1962. J. C. Warner (PhD '23), President Emeritus of Carnegie-Mellon University, was elected to the Board of Directors of Cyrus Wm. Rice and Company, consulting firm in water and waste treatment, water re-use and conservation measures. He has also been appointed to the newly-created Research Advisory Board of Cities Service Company. Rudiger Haugwitz (PhD '66) is now located in New Haven, Connecticut. He is associated with Olin Mathieson Chemical Corporation doing research on insecticides. We were sorry to learn of the death of Curtis Leight in November. He received the Ph.D. degree from Iowa State after completing his research under Dr. Wenkert here at I. U. and at the time of his death was Assistant Professor of Chemistry at Creighton University, Omaha, Nebraska.

Meredith P. Sparks (AM '28) announces she is engaged in the practice of law with offices at 169 E. Flagler St., Miami, Florida 33131. Dr. Sparks holds a Ph.D. degree in chemistry from the University of Illinois and the LL.B. degree from Rutgers University. John L. Rendall (PhD '43), who joined Hitco, Gardena, California, in 1966 as technical director, has been named Vice President of Research and Development. Ernest Davidson (PhD '61) was promoted to Professor at the University of Washington in 1967. F. A. Griffiths (PhD '36), Maryville College, Tennessee, is on leave at University College of Cape Coast in Ghana as a Fulbright-Hays lecturer in physical chemistry. Dr. Basel Anex (Post-doctoral Associate of Dr. Shull in '59 and '60) has been named Head of the Chemistry Department and Professor

of Chemistry at New Mexico State University.

David Garin (faculty member during 1966) was awarded a PRF type G Grant for work on Tricyclic Ring Systems at the University of Missouri, St. Louis. Donald H. Simonsen (PhD '52) is Academic Vice President of California State College at Long Beach. Irving Rosen (PhD '51) was named Supervisor for Polymer Research at Standard Oil (Ohio), Warrensville, Ohio. Vincent E. Parker (PhD '40) is Dean of the School of Science, California State Polytechnic College. David K. Barnes (PhD '47) has been named Director of the Manufacturing Division of the Industrial and Biochemical Department of the duPont Company. He was formerly Director of the Orlon-Acetate-Lycra Manufacturing Division. Alan R. Mendenhall, Jr. (BS '50) is President of Astrosystems International, Inc., Rockaway, New Jersey.

David C. Kleinschmidt (PhD '67) has joined the staff of the Miami Valley Laboratories of Procter and Gamble after spending several months on postdoctoral research at the University of London. Tal Bosin (PhD '67) is in the Chemistry Department of the University of California at Berkeley. John Kuempel (PhD '67) is doing postdoctoral research under Dr. Henry Taube at Stanford University. He has accepted a teaching position at DePauw University, Greencastle, Indiana, starting in the fall of 1968. Diane Wakefield (PhD '67) is teaching at St. Olafs College in Northfield, Minnesota. Ralph May (MS and PhD '67) has a research position with the duPont Company in Wilmington, Delaware.

Kenneth West (PhD '67) has joined the Chemistry Department of St. Lawrence University, Canton, New York. Kenneth Mantei (PhD '67) is in the Chemistry Department at the University of California at Los Angeles. John Richardson (MS '67) has taken a position with the Harshaw Chemical Company, Cleveland, Ohio, where he is engaged in research on inorganic pigments. Banavara L. Mylari (PhD '66 and P.D. with Dr. Wenkert) is with Chas. Pfizer and Company at Groton, Connecticut, engaged in research on radioactive tracers in metabolism studies.

David A. Berges (PhD '67) is associated with Dr. Felkin at Gif, France, where his research concerns Grignard reactions. Dr. Peter Sprague (Research Associate, '66-'67) is Assistant Professor at the University of California at

San Bernardino. Dr. Krishnakant Dave, a research associate of Dr. Wenkert, returns to his native India in April to take a position with CIBA in Bombay continuing his work in the field of natural products. Dr. Dave has been at I. U. since 1962 except for a period of several months in 1965 when he went to Israel for research. Antonio Macias (PhD '67) has been teaching at the University of Puerto Rico since last fall. Lynn Applegate (PhD '67) lives in Newark, Delaware; he has a position in the Jackson Laboratories of the duPont Company. Chris Vogel (PhD '67) is carrying on postdoctoral research under Dr. Marvin J. Stern at the Belfer Graduate School of Science, Yeshiva University, New York City. David Dalman (MS '67) is engaged in research at the Dow Chemical Company, Midland, Michigan. Gordon Waasdorp (MAT '67) is teaching at Florida A. and M. University, Tallahassee. Mrs. Luan-Ho Chang Lin (PhD '67) is doing postdoctoral research in biochemistry at the University of Cincinnati.

Alumni visitors in the Department in recent months included the following: M. L. Junker (AB '64), Newberry College, Newberry, South Carolina; Merle Krider (AM '43), U. S. Department of Agriculture, EURDD, Philadelphia; John A. Hedge (BS '57), Sun Oil Company, Marcus Hook, Pennsylvania; Charles R. Russell (PhD '46), NURDD, Peoria, Illinois; Keith Edmonson (BS '62) Union Carbide Food Products; R. N. Summer (PhD '55), General Electric, Selkirk, New York; Robert Moll (AB '65), 6036 Elaine St., Indianapolis; George E. Ham (PhD '44) 284 Pine Rd., Briarcliffe Manor, New York; John Meade (AB '67), Lawyers Club, University of Michigan, Ann Arbor; Bernard Berk (PhD '40), E. R. Squibb and Sons, New Brunswick, New Jersey; Chester Davis (BS '44), Newport, Kentucky; William G. Roessler (AB '40); Bireswar Banerjee (P. D. '59) Alcorn A. and M. Lorman, Mississippi University; Portia Hancock (BS '62), and Allan L. Fish (BS '57).

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