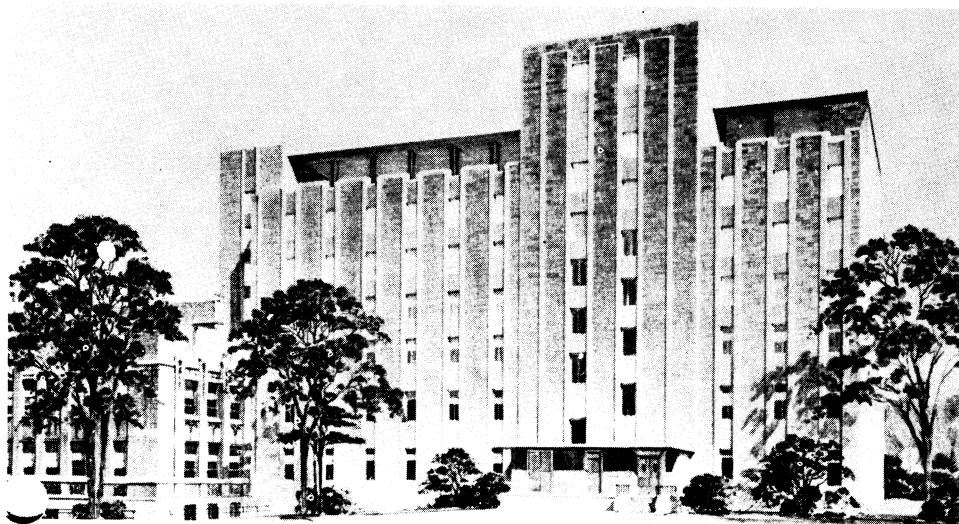


NEWSLETTER

Indiana University Association of Chemists

Aug 1964



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ASSOCIATION OF INDIANA UNIVERSITY CHEMISTS
Vol. XII, No. 2
Bloomington, Indiana
August, 1964

ASSOCIATION NEWS

Meetings

The Association held a luncheon meeting at the Sheraton Hotel April 7 during the National meeting of the ACS in Philadelphia. Forty-four alumni, faculty and students attended. In the absence of Dr. Shiner, Dr. Day presided. Dean Gucker and Dr. Campaigne described new developments in the University and the progress of the Department. Dr. Pearle Monroe, currently President of the AIUC, could not attend.

The Association will meet for a Social Hour in Chicago on September 1st at the time of the ACS meeting, the meeting place to be announced later. This is the customary time for election of officers for the coming year, so we hope you will temporarily forget your fears for the National presidential election result and come join your friends for a non-partison election of your favorite alumnus for Association President.

AIUC Treasurer's Report - July 31, 1964

Bank Balance, Feb. 1, 1964 \$ 340.40

Receipts:

Dues	\$ 11.00	
Payments for Directory	78.00	
Scholarship Grants	8028.00	8117.00
		<u>\$8457.40</u>

Expenditures: Spring	\$ 151.03	
News letter		
Bank Charges	.92	
Scholarships, 1963-64	908.00	
Scholarships, 1964-65	6800.00	\$7859.95
Balance		<u>597.45</u>
Bank Balance, July 31, 1964		305.45
Scholarships (Unencumbered)*		292.00

*In the Accounts of the Office of Scholarships and Financial Aids.

Harry G. Day, Treasurer

Scholarships: (Names of Recipients and Amounts)

2nd Semester, 1963-64:

Clayton Atkins	300	Carlos Estevez	500
Katty Hsue	300	David Swickard	300
Michael Franklin	200	Joe Rowe	300
David Bartenbach	108	Susan K. Barnett	200
Granted for 64-65:		Gary W. Boley	100
Nancy Barr	200	David M. Captain	300
Wayne DeArmon	400	Michael P. Gibson	200
Helmut Brugman	300	David M. Giles	200
Allen Flowers	200	Maynard A.	
Juan C. Orrego	200	Johnston	100
Ruth McClure	200	Margaret Kocher	200
Paul Monson	200	Stephen Miller	200
Anita Rohrer	300	Donald R. Reilly	100
Robert S. Mood	200	John W. Rigg	200
Gary Wiggins	200	Robert S. Spurgeon	300
Roy Green	200	Charlene Tamlin	200
Frances DiNoto	200	Susan Whitledge	100
Mary Clare Tay	200	Hudson Freeze	300

NEWS OF THE DEPARTMENT

The New Addition is now virtually all occupied and the inhabitants are greatly enjoying its air-conditioned comfort - a boon during this typical Indiana summer season. The added space has made it possible to set up equipment which has been lying idle for lack of room. We hope the relief from the former high population density in the Department will catalyze a reaction toward even greater research efforts. Some adjustments in a few new laboratories are yet to be made, so a small number of persons have not moved in and are still looking with longing eyes at the promised land. Some groups will remain permanently in the old, but improved, quarters. Dr. Campaigne's group will continue at their old stand on the fourth floor, and Dr. Billman's group has joined them at the east end of the same floor. Dr. Mahler's group will stay at the west end of the third floor, Dr. Moore's group will occupy the east end, and Dr. Shull and his theoreticians will remain at the southwest end of that floor. The Library will continue at the northwest corner of the first floor, but before long it will be expanded to occupy the entire west end. Those who have been left behind are at present working in a ghost town of empty tooms cluttered with abandoned work benches and cast-off equipment.

However, this situation will not last long, for the original building is to be extensively renovated to provide better laboratory facilities to take care of the expected increase in the undergraduate chemistry enrollment. So your old haunts, where you sweated out those tough instructional and research assignments will soon take on a new look.

Members of the faculty who expect to be away on leave during the next year include Dr. Bonham, Dr. Campaigne and Dr. Wenkert. Dr. Bonham was awarded a Guggenheim fellowship in recognition of his achievements in experimental and theoretical studies of electron scattering from atoms and molecules. He was also the recipient of a Fulbright grant. He will be on leave until September, 1965, and is at present at the University of Tokyo, Japan, making use of an electron diffraction unit to continue his research. Next May he will visit Moscow, and during the summer of 1965 he will pursue his research studies at the University of Oslo, Norway.

Professor Campaigne will have a sabbatical leave for 1964-65 during which he plans to travel extensively. The first semester he hopes to visit a number of universities in the United States, and perhaps also in Mexico and Canada, making a study of graduate school programs in the field of chemistry. He wishes to learn about the admissions criteria, the methods of evaluating students (both for determining their acceptability for graduate work and for appraising their subsequent progress), and to study course requirements, the nature of qualifying examinations and any other aspects of graduate school programs which may be factors in determining educational progress. From these studies he expects to gain additional understanding of the elements important in maintaining graduate schools of high quality and effectiveness. During the second semester his plans include a tour of some of the universities of Europe and the United Kingdom to pursue the same kind of inquiry.

Professor Wenkert will spend a year's leave of absence at the Weizmann Institute of Science, Rehoveth, Israel. He has been invited by the Institute to serve

as Acting Head of the Department of Organic Chemistry during 1964-65 and will return to I. U. in the fall of 1965. Dr. Wenkert is chairman of the Gordon Research Conference on Steroids and other Natural Products which meets August 3 - 7 in New Hampton, New Hampshire.

Professor Mahler is spending the summer at the Marine Biological Laboratories at Woods Hole, Massachusetts, where he is collaborating with Dr. Martha Baylor on research. Professor Scheaffer is carrying on research this summer at the Lawrence Radiation Laboratory at Livermore, California. He will return in September. Professor Shull has been appointed to the Committee for the Survey of Chemistry which has been organized to determine the potential of basic research in the United States. The survey is being sponsored by the National Academy of Sciences and the National Research Council.

Research Associates who will be leaving the Department soon to continue their work elsewhere include: Dr. C. DeWitt Blanton, who will join the Department of Medicinal Chemistry in the School of Pharmacy of Auburn University, Auburn, Alabama, as Associate Research Professor; Dr. Franz Haaf, who will do research work in the Elastomer Department of the Research Division of E. I. duPont de Nemours and Company, Wilmington, Delaware. Dr. David Johnston has gone to Merck, Sharp, and Dohme, Rahway, New Jersey.

ALUMNI NOTES

We congratulate Nolan B. Sommer (PhD '44), who has recently become president of the Jefferson Chemical Company, Houston, Texas. The Company

is a producer of petrochemicals and is jointly owned by American Cyanamid and Texaco. Dr. Sommer joined Cyanamid in 1944 and has served in various capacities since that time. His latest position was general manager of the Central Research Division in Stamford, Connecticut. He has also been manager of market development for Jefferson Chemical, manager of Cyanamid's product development department and assistant to the executive vice-president. Dr. Sommer is a native of Merna, Nebraska, and a graduate of the University of Nebraska. He carried on his research at I. U. under the direction of Professor Kaslow.

Peter G. Arvan (AM '44) was appointed in April to the newly created position of assistant general manager of the Agricultural Division of the Monsanto Company in Bridgeport, New Jersey. He was formerly the Division's director of marketing. Donald J. Cook (PhD '44) has been appointed head of the Chemistry Department of DePauw University jointly with Dr. Howard Burkett. The two professors will alternate in serving three-year terms. Wendell L. Mason (AM '40) was chosen "The Northeastern Indiana Chemist of the Year for 1964." The award was presented at the May dinner meeting of the Northeastern Indiana Section of the American Chemical Society. William Schenck (BS '54) joined the staff of Electro-Optical Instruments, Inc., as director of marketing last winter. He is responsible for all sales and marketing activities for the company's lines of high-speed photo instrumentation, optical pulsing devices, and laboratory instrumentation. His address is Electro-Optical Instruments, Inc., 922 South Myrtle Avenue, Monrovia, California.

Dr. Harry C. Gatos (MA '48) of MIT is editor of SURFACE SCIENCE, a journal devoted to the physics

and chemistry of interfaces which began publication in January, 1964. Mack C. Harvey (PhD '56) of El Paso Natural Gas Products Company is chairman of the El Paso Section of the ACS for 1964. Ted J. Logan (AB '53), Research Chemist at Proctor and Gamble, Cincinnati, is chairman-elect of the Cincinnati section.

Carl J. Verbanic (PhD '56) has joined the Celanese Plastics Company, Newark, New Jersey, Burton L. Appleton (PhD '58) is with the Food and Drug Administration, Washington, D. C. Cecil Upton (PhD '59) is teaching at Millersville College, Millersville, Pennsylvania. He was formerly with the Armstrong Cork Company. Daniel Shew (PhD '59) was recently named manager of product development at the research center of the Stauffer Chemical Company, Richmond, California.

A note from Morton D. Willcutts (BS '51, MD '55) has brought us up to date on his activities. After graduating from I. U. Medical School he served in the Navy until September, 1962, specializing in internal medicine. He then became an associate of the Galesburg Clinic. He and his wife and seven children have a new home in Galesburg, Illinois. Francis W. McClelland (AB '37) heads the Research Services of the Eli Lilly Research Laboratories, Indianapolis. He has five children; Carl is in the University of Notre Dame, Robert at Rockhurst College, Ann is in High School and Susan and Mark in grade school.

Carole (Wyatt) Stewart (AB '59) (Mrs. Paul N.) is now living in Columbus, Ohio, where her husband is serving his internship at the Ohio State University Hospitals after completing the MD degree at the I. U. Medical School in June. The Stewarts have a young son, Douglas Paul, born March 10. Their address is

3056 Street, Johns Court #7, Columbus, Ohio, 43202.

Alumni who have visited the Department in recent months include the following: Elihu Aronoff (PhD '54); Russell L. Hardy (AM '23), Newark, Delaware; Chester Davis (BS '44), Newport, Kentucky; George P. Gregory (AB '42), Hercules Powder Company, Wilmington, Delaware; and Robert E. Davis (AB '55), Purdue University, Indiana.

NECROLOGY

Clyde Henke (AB '19, AM '20, PhD '22), Wilmington, Delaware, June 1. Dr. Henke was a retired executive of the E. I. duPont de Nemours and Company, and a native of Stendal, Indiana.

Ralph B. Linville (AM '30), Major (Ret), U. S. Army, Salem, Virginia, April, 1964. Major Linville served in both World Wars and was a teacher at Virginia Military Institute until 1957.

RECENT GRADUATES

During 1963-64 forty-one men and seventeen women were granted baccalaureate degrees in Chemistry. Seventeen qualified for certification to the American Chemical Society. A list of those receiving the bachelor's degree follows with future plans indicated in those cases where information was available:

September, 1963.....

Paul D. Armstrong, graduate work in Pharmaceutical Chemistry at the University of Iowa; Michael
8.

Bourn, graduate work at I. U.; Robert S. Browning, I. U. Law School; Linda Byrum, employment in the Blue Cross Association, Chicago, Illinois; Michael Carnahan, graduate work at I. U. ; Peter C. deVoogdt; Judy Ann Eger, elementary school teacher; Sandra L. Klassen, I. U. School of Education; James E. Murphy, employment at the Indianapolis Power and Light Company; Eleanor Rynearson, employment at Eli Lilly and Company, Indianapolis; Billy R. Walden, graduate work at I. U. for the MAT; and Elaine Weiss; I. U. Medical School.

June, 1964.....

Joan Bare; Robert Bargmeyer, U. S. Air Force; John Bateman, Graduate work; James Binkley, Fulbright studies at the University of Bonn, Germany; Ray D. Bowman, graduate work in physical chemistry at Cal Tech with a teaching assistantship; Arthur Chan, graduate work in physical chemistry at Princeton University with a fellowship; William Coundiff, I. U. Dental School; Joyce A. Cox; Karl Coyner, high school teaching; Stephen Cruser, graduate work in analytical chemistry, University of Texas, with a teaching assistantship; Daniel L. Davis, graduate work in biochemistry, University of Illinois, with an NIH fellowship; Diane Decker, I. U. Medical School; Sylvia Dygert, graduate work in biochemistry, I. U. (Indianapolis) with a fellowship; Allen Fong, I. U. Medical School; William Forgey, graduate work; Lincoln Foster, graduate work at MIT with a teaching assistantship; Michael Franklin, graduate work in organic-physical chemistry at the University of Illinois with a fellowship; Hazel Goodman; Aaron Grau; Mark Haendel, I. U. Medical School; Frederick Henoeh, graduate work in organic chemistry at Duke

University with a teaching assistantship; Richard Hutner, Military service; Jerry Judy, high school teaching; Michael Junker, graduate work in physical chemistry at Purdue University with a teaching assistantship; Charles Kaufman, Veterinary Medicine at Cornell University; James Light, graduate work in biochemistry, Indianapolis, with a Foundation grant; William McCraley, employment with American Hospital Supply Corporation, Science Products; James M. Meyer, graduate work in physical chemistry at Northwestern University with a fellowship; Mary Mentendiek, I. U. Medical School; Holmer Morgan; Carolyn Nash, graduate work at I. U. for the MAT; Stephen Nathensen, I. U. Medical School; Charles Nichols, I. U. Medical School; Paul Osmon; Stephen Peterson, graduate work at Cornell University with a teaching assistantship; Ronald L. Reynolds, graduate work in Marketing at I. U. Business School; Howard Rosenbaum; Kenneth R. Smith, U. S. Air Force; Richard Spencer, graduate work in biochemistry at the University of Illinois with an NIH traineeship; Mary Stafford, employment at the Institute of Psychiatric Research at the I. U. School of Medicine, I. U. Medical Center; Mary R. Taylor, graduate work at I. U. for the MAT; Linda Vandembark; Charles Whittenberger; Karen Wiest; and Robert A. Wolf, I. U. Medical School.

Seniors of high scholastic achievement were recognized, along with graduate students with fellowships and the superior students of the other classes, at the annual Honors Banquet held by the Department on May 6. Michael Franklin was awarded the Medal of the American Institute of Chemists as an outstanding senior. Daniel Davis held the Courson Greeves Prize of \$1000 during his senior year. James Binkley,

Sylvia Dygert, and James Light were elected to Phi Beta Kappa. Seniors listed on the Department Honor Roll were: Ray Bowman; Arthur Chan; Daniel Davis; Sylvia Dygert; Michael Franklin; James Light; James Meyer; and Richard Spencer. Thomas Fink, a junior from Indianapolis, has been awarded the Courson Greeves Prize for 1964-65.

At the annual Tri-State (Indiana, Michigan and Ohio) Regional Meeting of Student Affiliates held at Terre Haute, Lincoln Foster received First Place and a handsome loving cup for his paper on Steric Effects on O-methylene Proton Magnetic Resonance in some 10-carbethoxy-1, 1-dimethyldecalins. Dr. W. L. Meyer directed his research. Other students who gave papers were Arthur Chan, Stephen Cruser, Daniel Davis and Karl Koehler.

These Master's degrees have been granted to the following during the year; MAT to Geraldine Kingle-smith, who is currently doing secretarial work in the Department for Dr. Meyer and Dr. Carmack; MS to Robert Reed and Harold Stine, who are both now in I. U. Medical School.

Students who have recently completed requirements for the Doctor's degree include: Ralph Christoffersen, who has been at the University of Nottingham, England, since December, 1963, carrying on research in the Mathematics Department; after a year in England he will return to the U. S. to carry on his work at the Johns Hopkins University in the Chemistry Department; Pradip K. Ghosh, who is continuing his research at I. U. under Dr. Bair; Rodney Hamilton, who has received a National Science Foundation grant to do postdoctoral research with Professor Wittig at the Institut fur Organisches Chemie, Heidelberg, Germany, until November, 1965.

Curtis Leight, who has joined the Chemistry Department of Creighton University, Omaha, Nebraska; Wendell Roelofs, who will continue his research work at MIT as Research Associate with Professor H. O. House; and Krishna Maheshwari, who has gone to carry on research at the Worcester Foundation for Experimental Biology, Worcester, Massachusetts.

Warren Buddenbaum has gone to the Chemistry Department of the University of Illinois and Steve Humphrey expects to leave soon to do research on an NSF grant at the University of California (Berkeley).

Joanna Dickey
Editor of AIUC Newsletter
Department of Chemistry, I. U.
Bloomington, Indiana

ACS SOCIAL HOUR

Hotel Hamilton
20 South Dearborn Street
Chicago

5:30 P. M.
September 1

Chicago Room