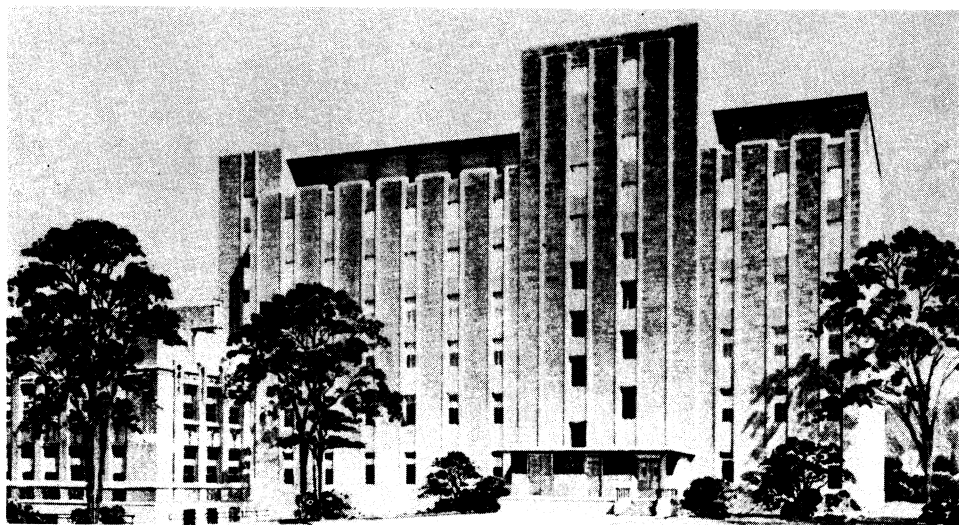


NEWSLETTER

Indiana University Association of Chemists

Mar 1964



Association News

Meetings

The Association met for a social hour at the New Yorker Hotel at the time of the National ACS meeting last September in New York City. About sixty members and faculty attended. Pearle A. Monroe was elected President for 1963-64, and Professor Harry G. Day was elected Secretary-Treasurer. The next meeting will take place Tuesday, April 7, in Philadelphia during the National ACS meeting. It will be a luncheon meeting to be held at 12:30 P.M. in the Hotel Sheraton, Room 553.

Treasurer's Report

Bank Balance, February 1, 1963		\$ 52.53
Receipts:		
Dues	209.00	
Scholarship Donations	400.14	<u>609.14</u>
Total		661.67
Expenses:		
Bank Charges	6.46	
ACS Social Hour (Fall, New York)*	26.25	
Newsletter, Spring, 1963	171.22	
Newsletter, Fall, 1963	117.34	<u>321.27</u>
Bank Balance, February 1, 1964		\$ 340.40

*This was to cover the guarantee for the Social Hour

A complete and detailed report will be made in the next issue of the Newsletter.

CHEMISTRY SCHOLARSHIP AND GRANTS-IN-AID PROGRAM:

During the first semester of 1963-64 a total of eleven chemistry students were recipients of AIUC scholarships or grants-in-aid. Four were freshmen, six were juniors and one was a senior. A total of fourteen are receiving assistance during the second semester. The total dollar value of the program this year is \$4650. The recipients of scholarships had a grade point average of 3.30 or higher. A few students with large financial needs, but averages less than 3.30 are given grants-in-aid if they have considerable promise and the assistance aids them in devoting more time to effective study. All of such assistance and recognition of scholarship is furnished in close cooperation with the I. U. Office of Scholarships and Financial Aids. Unquestionably the program is continuously of great value to the recipients, and it is a contributing factor in giving the Department of Chemistry a favorable reputation throughout the State. The contributions of many alumni in support of this program are greatly appreciated.

In addition, two students are each receiving substantial scholarships furnished by the Dow Chemical Company. Our top award to a senior is the new \$1000 Courson-Greaves prize which is held by Daniel Lee Davis. Also, a considerable number of other chemistry majors hold scholarships awarded directly by the Office of Scholarships and Financial Aids. Even so, with almost 300 sophomores, juniors and seniors majoring in chemistry there is not enough assistance for all who are deserving.

AIUC DIRECTORY

Early this year the Directory which was referred to in the August Newsletter came off the press. Unfortunately information regarding many alumni is missing from it owing to their failure to return the

information cards which were mailed both in March and in June, 1963. Nevertheless, as already reported to us by many alumni, the Directory is both attractive and useful. We plan to produce a new edition as soon as a very large proportion of the alumni can be induced to furnish necessary information concerning themselves. Each alumnus who desires a copy of the present issue should forward \$2.00 to the Department of Chemistry.

Harry G. Day, Secretary-Treasurer
(with the assistance of E. Greene)

AIUC PRESIDENT

Our Association President for 1963-64, Pearle Monroe, is a native of Bowdoin, Montana. He came to I. U. with a Master's degree from the University of Idaho in 1949 and worked in Professor Campaigne's group. He completed his PhD in 1952 and then joined the B. F. Goodrich Company. The Company sent him to the Dolok Meranger Estates in Sumatra where he had some very interesting adventures which we wish we had space to recount. He returned to the United States in 1958 and, always having been interested in teaching, took a position at the State University of New York at Oswego. He has been there ever since with his wife Phyllis and two daughters. During the summers of 1961 and 1962 he held a National Science Foundation Summer Research Appointment for College Teachers at the University of Colorado. Dr. Monroe has maintained his interest in research and is currently hoping to take a sabbatical leave for a year of research at the University of California.

NEWS OF THE DEPARTMENT

At this writing we feel hesitant to mention the New Addition for fear of putting a jinx on its long-awaited completion. "When do you think we will move into the New Addition?" has become a good

conversation starter since December when the date had to be postponed. However, there is no doubt that we shall be moving in soon. The stockroom has already been established for several months in its new quarters, and preparations are advancing for everyone else to move just as soon as all facilities are completed. A new seminar room with a capacity of about 90 was completed last fall and has been serving usefully for classes and meetings. It was especially appreciated when we used it for the Department's annual Christmas party. Our preliminary tours of the new quarters have impressed us with their spaciousness and convenience. As soon as the original building is vacated, work is to start on its renovation for undergraduate laboratories and classrooms.

Several of the faculty members are currently active in the editing of chemical journals. Dr. W. J. Moore is serving on the Editorial Board of the Journal of Physical Chemistry; Dr. E. Campaigne is a member of the Editorial Advisory Board of the Journal of Medicinal Chemistry; and Dr. Ernest Wenkert is on the Editorial Board of the Journal of Organic Chemistry. Dr. Wenkert is also Chairman of the Gordan Research Conference to be held in New Hampton, New Hampshire on "Steroids and other Natural Products" August 3-7. In January he completed an ACS lecture tour which took him to many of the local sections in the Western States.

Dr. Harry Day is continuing to serve in the Program of Visiting Scientists sponsored by the ACS. He has recently visited high schools in the area of the Connecticut Valley Section of the ACS and Troy State College at Troy, Alabama. Also, Dr. Campaigne is a Visiting Scientist.

Dr. V. J. Shiner, Jr., attended the meeting of the International Atomic Energy Agency which

took place in Vienna December 9 to 13. He presented an invited lecture on the subject "Tritium and Deuterium Arrhenius Parameter Effects in a Base Elimination Reaction. Evidence for Tunnelling." On his way back he visited for a few days at University College, London. Dr. Shiner is chairman of the committee to organize the tenth Conference on Reaction Mechanisms to be held in Corvallis, Oregon, in June.

Dr. Stanley Hagstrom is spending a six month leave of absence in Finland and will return in June. He is working on a research project in the field of quantum chemistry.

ALUMNI NOTES

We were all very much pleased to learn of the award of the Perkin Medal for 1964 to Dr. William J. Sparks (AB '26, AM '29), a native of Indiana. We extend our hearty congratulations! The Medal is one of the highest awards in chemistry and is in recognition of outstanding contributions to the field of applied chemistry. Dr. Sparks is co-inventor with R. M. Thomas of butyl rubber and is well known for research in several other areas. He holds the highest technical post in the Standard Oil Company (New Jersey) organization. He also has a long record of service to many scientific organizations and is currently a member of ACS President M. H. Arveson's Advisory Committee, serving as secretary to the New York group of that committee.

J. C. White (BS '43) has been appointed a member of the National Academy of Sciences-National Research Council advisory panel to the National Bureau of Standards. Dr. White has been Assistant Director of the Analytical Division of the

Oak Ridge National Laboratory since February, 1961. Two of our alumni are officers of the Electrochemical Society for 1964. Lyle I. Gilbertson (PhD '40) is serving as president, and Harry C. Gatos (MA '48) is vice president. Dr. Gilbertson has a research consulting firm in Berkeley Heights, New Jersey, and is executive vice president of Aerospace Placement Corporation and Director of Research for Comprehensive Designers, Inc. Dr. Gatos, a native of Greece, is Professor of Metallurgy and Electrical Engineering at MIT. J. C. Warner (PhD '23), President of Carnegie Institute of Technology, has been appointed by ACS President Arveson to his Advisory Committee as a member of the Washington group.

John W. McDowell (PhD '60) has recently been promoted to leader of the analytical research group at the research laboratory of National Aniline Division, Allied Chemical Corporation, Buffalo. Rodney D. Moss (PhD '51), previously project leader in the E. C. Britton Research Laboratory of Dow Chemical Company, has been appointed to a new position of group leader in organic chemistry at the Pitman-Moore Division, Indianapolis.

Arthur Lietze (PhD '57) is a research associate at the Palo Alto Medical Research Foundation, Palo Alto, California; formerly at the University of Wisconsin. Glenn A. Berchtold (PhD '59), Assistant Professor at MIT, gave a lecture on "Cycloaddition Reactions of Enamines" at the February meeting of the New York Academy of Sciences, Chemical Sciences Section. Glenn will also preside over one of the meetings of the Division of Organic Chemistry at the Philadelphia ACS meeting and has collaborated with Professor Marvin Carmack and Mohammad Behforouz on a paper to be presented there.

Dana Mayo (PhD '59), Bowdoin College, has been elected secretary of the Main ACS Section for 1964. James Copeland (PhD '61), is now on the faculty at Kansas State University. Richard Neithamer (PhD '57), Assistant Professor at Rose Polytechnic Institute, carried on Research in polarography in the I. U. Chemistry Department with Dr. Schaap last summer.

Robert H. Treadway (PhD '36) has been with the Eastern Utilization Research and Development Division of the Department of Agriculture, Philadelphia, since 1941 where his work was concerned with potato utilization - starch and derivatives, fermentations, food products, etc. Since 1961 he has been Assistant Director for Industrial Development and is in charge of arranging industrial adoption of new products and processes developed by the Division. We learned from Dr. Treadway that two other alumni are in the organization. Merle M. Krider (MS '43), is in the Office of the Director as Specialist on Patents, and Jonathon H. Custer (BS '43) is a chemist in milk proteins research.

Billy Hibbard (PhD '51), at Dow Chemical Company, is project leader in Research. He was Director of the Midland Section of ACS for 1963. The Hibbards have two children, and they are 8 and 12 years old. Jack Holloway (AM '37), engineer at Union Carbide Stellite Company, Kokomo, Indiana, is also teaching chemistry at the Indiana University Regional Campus in Kokomo.

Henry P. House (AM '24), is a consultant at Union Carbide Nuclear Company, Oak Ridge, Tennessee. Cyrus Houshmand (AB '49 and MD '53), a surgeon in Bloomington, was interne and resident physician at Columbia Presbyterian Medical Center

in New York City 1954-61. Leland G. Howard (BS '50) physical chemist at Eli Lilly and Company, Indianapolis, Indiana, is married and has three children.

Paul Huddleston (AB '42), member of the faculty of the University of Alabama, received his PhD in Management and Economics in February. James L. Hudson (AB '54), is completing the MS degree at Butler University. Jack R. Irey (AB '53), began work for a Master's degree in Chemistry at Purdue on a NSF program. Walter B. Jones (AB '14), is a vice president of the Board of Haines City, Florida,, Citrus Growers Association.

Jane Kilpatrick (AB '60), in addition to teaching chemistry and mathematics in the Detroit Public Schools, has also been teaching chemistry and biology at an Adult Evening School.

John Paul King (AB '50) and MD '55) is an especially active pediatrician at Reynoldsburg, Ohio, with eight children of his own. Ethel Klemm (AM '30), of Auburn, Indiana, is doing volunteer teaching at Piney Woods, Mississippi, after having retired. Ronald Reynolds (MS '53), is attending Michigan State University. Wilmer T. Rinehart (PhD '40) of Rocketdyne Division of North American Aviation in California, has been lately involved in the Long Range Planning and Nuclear Rocket Engine field.

Francis M. Scheitlin (BS '43), is carrying on work in electro-magnetic isotope separation of heavy elements at ORNL, Union Carbide Nuclear Company, Oak Ridge, Tennessee. W.W. Schroeder (AB '32) who, as Senior Development Engineer, is working in the rubber accelerator-antioxidant field at Goodyear Tire and Rubber Company, also operates a farm and, as hobbies, raises swans and plays chess (an interesting balance of activities).

John W. Sloan (BS '39), a chemist at the Utilization Research and Development Division, USDA, Peoria, Illinois, last year was appointed commander of the 9515th Air Force Reserve Recovery Squadron with the rank of Lt. Colonel. He served overseas in W. W. II with the 303rd Air Service Group. The Sloans (wife Nadine, and children - Stephen 16, David 14, Paul 12 and Jean 9) have been in Peoria since 1947.

Carolyn A. Soden (AB '62), is working toward a BS in Pharmacy at Butler University in evening school.

Charles H. Stammer (BS '48) was with Merck and Company until August, 1962, after receiving his PhD at the University of Wisconsin in 1952. He is now Assistant Professor at the University of Georgia where he enjoys teaching and research in a new chemistry building. He has two children, aged 8 and 10 years.

Richard A. Streaty (AB '60), is working on basic research in protein chemistry, particularly enzymatic systems, at the National Institutes of Health, Washington, D. C.

Joseph W. Votaw III (AB '63), is attending night school at Salmon Chase Law School, Cincinnati, in addition to his work at Seagram Distilleries.

Harry Walter (PhD '55), holds an appointment of Assistant Clinical Professor of Biological Chemistry at UCLA Medical School and is also a Research Biochemist at Veterans Administration Hospital at Long Beach.

John A. Werthing (MAT '60), was a delegate to the 1963 National Education Association convention

and a NSF Research Participant in the summer of 1962.

J. Edmund White (PhD '59), Assistant Professor at Southern Illinois University, has been at MIT during 1963-64 studying with F. A. Cotton under a PRF Faculty Award for Advanced Scientific Study.

John E. Williams (MA '40), Chemistry Instructor at Newport Harbor High School (California) is co-author of two science texts - Modern Chemistry and Modern Physics.

Jay A. Young (BS '39), is a member of the National Advisory Council on College Chemistry.

Ned P. Hehner (BS '51), is now in Mooresville, Indiana, having moved there from Hightstown, New Jersey, last September.

Elsa (Proehl) Paulsen (MA '45), is Assistant Professor of Pediatrics at Albert Einstein College of Medicine, New York City; she has two sons - Peter, 6 years old and Christopher, 1 year old.

William C. Pitman (AB '48), is with the Douglas Aircraft Company, Torrance, California, where he is group leader in materials research and production methods of the Missiles and Space Division.

Eldon G. Jann (AB '47), is Senior Engineer with I. T. T. Kellogg, Chicago, a company which designs and manufactures electronics communications equipment; he has been with the company since 1953, after three years at Illinois Institute of Technology.

W. Allen Arnett (AB '59) was with Pitman-Moore Company after graduation until last year when he joined Bell Manufacturing Chemists as control chemist.

Richard J. Baird (BS '56), Captain, U.S. Army, is at present at the Missouri School of Mines studying for a Master's degree in physical chemistry. Kenneth E. Barnard (AB '59) served three years in the U. S. Navy after graduation and then entered I. U. School of Dentistry.

Florence (Gill) Barton (BS '47), worked at Eli Lilly and Company after graduation until 1956 when she was married. The Bartons have a 7 year old son.

Van P. Batterton (BS '35) of Greensburg, Indiana, has a record of many public service activities, having served on the City Council, Library and Zoning Boards, and as an Elder in the Presbyterian Church.

Horace R. Baxman (BS '43), has lately moved into a new home in Los Alamos, New Mexico. Ram Dev Bedi (PhD '60) has obtained seven patents in the electroplating field since 1961. The Bedis have twin boys, Vivek and Vijay.

Paul F. Bente (AB '39), last year assumed a new post in the Development Department of duPont in which he defines new areas where the Company should try to launch new business ventures. The Bentes were married in 1942 and have three sons and two daughters.

Ella M. Bettinger (BS '49), with the Mallinchrordt Chemical Works, St. Louis, is a chemist in the Infrared Laboratory working on X-Ray, Emission Spectroscopy, infrared, optical and other physical methods of analysis.

Thelma (Ward) Bonecutter (PhD '42) has three children, John 19, Lloyd 13, and Mary 9; her husband is field supervisor for the Veterans Administration, Indianapolis, Indiana.

Kenneth T. Burck (BS '58), is studying for the MS degree at DePaul University while he is employed as Director of Control at Wilson Laboratories. Bernard D. Coleman (BS '51), was Visiting Professor of Mechanics at Johns Hopkins University in 1962; last summer he gave a course at the International Summer Mathematics Seminar at Bussanone, Italy. John T. Craig (BS '48) was sent to Italy last year by his company, Commercial Solvents Corporation, to study and evaluate the quality control organization of two companies purchased by CSC in Rome and Milan.

Some of the alumni who have visited the Department in recent months are: Robert Stelzner (PhD '63), Oak Ridge, Tennessee; Margaret (Peters) Phillips (AB '46) Terre Haute, Indiana; Henry H. Kramer (PhD '60), Union Carbide Nuclear Company, Mahwah, New Jersey; Ernest F. Stevenson (MA '37), Picatinny Arsenal, Dover, New Jersey; H.J. Wolbert (MA '50), American Can Company, Barrington, Illinois; Phil Hidy (PhD '44) and family, Terre Haute, Indiana; Sam Berkowitz (MS '63), Akron, Ohio; Hiram Spannuth (MA '35), Lisle, Illinois; Gerald W. Recktenwald (PhD '55), General Electric Company, Louisville, Kentucky; and Max Marsh (BS '47), Eli Lilly and Company, Indianapolis, Indiana.

NECROLOGY

Paul E. Bradford (AB '37) of Kankakee, Illinois, January, 1963.

Jesse W. Cavett (MA '24), University of Iowa, (PhD '30), February, 1963.

Robert Chernin (PhD '61), who was carrying on research at Union Carbide Chemical Corporation at Tarrytown, New York, January, 1964.

Harley V. Houseman (AB '12), (AM '14), January, 1963.

Philip L. Sthair (AB '44; MD '49), who practiced medicine in Normal, Illinois, and was associated with the Fruin Clinic, January, 1962.

NEW ALUMNI

Franklin Blood (PhD '63), is teaching in the University of Puget Sound, Tacoma, Washington. Paul Krieger (MS '63), is in the Research Department of Pitman-Moore, Indianapolis, working in organic syntheses.

Minas Georgiadis (PhD '63) is a research associate at the Institute of Microbiology, Rutgers University, New Brunswick, New Jersey. Norman Schnautz is with the Dow Chemical Company, Midland, Michigan.

Lee Todd (PhD '63) is carrying on postdoctoral research with Dr. Seyferth at MIT. Ted Warner (PhD '63) joined the Naval Research Laboratories, Washington, D. C., last fall. Lars Luther (PhD '63) is carrying on postdoctoral research with Thor Bak at the Institute for Physical Chemistry in Copenhagen, where he is studying the theory of diffusion and related problems. He attended the Winter Institute for Quantum Mechanics in Gainesville, Florida, before going to Denmark.

Richard McCarty has joined the Dow Corning Corporation, Midland, Michigan. Fred Tebbe (PhD '63) has gone to the University of California (Riverside) to work with Dr. M. F. Hawthorne.

Donald Gaines (PhD '63) is at the University of Manchester where he will carry on research with Pro-

fessor J. Lewis for a year in an Experimental Program for Joint Research sponsored by the National Science Foundation. At the end of the year he will return to I. U. to continue work in a related field with Dr. Schaeffer, thus facilitating an exchange of techniques and ideas.

Research Associates who have left the Department in recent months for positions elsewhere include: Adriano Afonso, who has joined the Organic Research Laboratories of the Schering Corporation, Bloomfield, New Jersey; Pandurang Margund, now with American Cyanamid Company, Bound Brook, New Jersey; C. Royce Rasmussen, who has gone to McNeil Laboratories, Inc., Fort Washington, Pennsylvania; Thomas I. Barry, who has returned to the National Chemical Laboratory, Teddington, Middex, United Kingdom.

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