

NEWS LETTER

Association of Indiana University Chemists

Bloomington, Indiana
March 5, 1952

Dear A. I. U. C. Members:

We shall not make any rash statements about spring having already arrived this year for fear of being accused of rushing the season or of being betrayed by the weather as we were last year.

There is one herald of the approach of spring, however. That is the arrival of A.C.S. National Meetings. That brings with it A.I.U.C. luncheon meetings. Today we received definite word from Washing regarding our luncheon arrangements. The luncheon at the Buffalo meeting is scheduled for 12:15 on Tuesday, March 26 in the Niagara Room of the Hotel Sheraton. At the Milwaukee meeting it is scheduled for 12:15 on Tuesday, April 1 in the Rose Room of the Hotel Pfister. Tickets will be on sale at the registration desks or may be secured at the doors of the dining rooms at the times of the events. We hope that as many of you will attend these functions as possible. It is a good opportunity to renew old acquaintances and to make new ones.

We wish to thank our members who showed their loyal support by transfusing some vitally needed blood into the Association's anemic treasury. The patient is not in condition to dance around even now, so in the event that you resolved to send in your contribution and forgot your resolution, we shall be pleased to accept it now.

It seems that our message has a rather monotonous sameness about it, but this is because the needs of the Association continue to remain essentially the same; namely, financial support and personal news from you members. Please send us your personal items so that we can make our news of interest to your fellow alumni.

Sincerely yours,

John S. Peake

Secretary-Treasurer

NEWS OF THE ALUMNI

M. C. Brockmann, Ph.D., '46, is now with Kingan and Company, Research Laboratories, Indianapolis, Indiana.

Donald J. Cook, Ph. D., '44, is an Associate Professor of Chemistry at DePauw University. He spent the summer as a Research Participant at Oak Ridge National Laboratory during the summer of 1951.

John T. Craig, B.S. '48, recently has been appointed a group leader at Commercial Solvents Corporation, Terre Haute, Indiana.

George W. Dingle, Ph.D. '35, Assistant Chief of the Documents Division of the Federal Bureau of Investigation, paid us a visit during a trip into Indiana at Thanksgiving.

Joanna M. Dickey, A.M. '33, accepted a position with the Department of Chemistry as microanalyst beginning January 3, 1952. Since leaving Indiana University in 1933 she had taught at Milton Academy in Milton, Massachusetts and at Ogontz Junior Collège near Philadelphia. She was later employed by Seagrams in Louisville, and prior to coming here had been with the Armstrong Cork Company in Lancaster, Pennsylvania. She is making her home with her mother, Mrs. Anna L. Dickey, who was formerly a teacher at the Bloomington High School. They live at 900 East First Street.

Chester Davis, '44, has recently left the National Cash Register Company and taken a position with the Kettering Foundation at Dayton, Ohio. He is working on energy problems.

Richard M. Downey, '40, is in consulting work on rock wool with companies over the United States and Canada. He holds several rock wool patents which are being used by many of these companies.

Richard F. Doerr, B.S. '48, is with the Matheson Chemical Company at Niagara Falls, New York.

Fred A. Griffiths, Ph.D. '36, has recently been appointed Chairman of the Science Division at Maryville College, Maryville, Tennessee. There are five fields of science under this new division.

Frank P. Gay, '48, is with the California Spray Chemical Corporation. His address is 1490 Acton Street, Berkeley, California.

Roy Huitema, Ph.D. '34, visited the Department of Chemistry the morning of Homecoming Day. Roy is now teaching at the University of Illinois' Chicago Undergraduate Division, whose headquarters are on the Navy Pier.

Miriam Hartzell, A.M. '46, is now at the Sharp and Dohme Research Division at West Point, Pennsylvania.

Information received from Frank E. Huber, Jr., M.A. '47, at Battelle Memorial Institute of Columbus, Ohio, tells us that he is employed there as a microanalyst. He also mentions that Robert F. Buchanan, B.S.'40, is a radiochemist and that Loran (Pat) O'Bannon, '32, is Assistant Supervisor of the Ceramics Division at Batelle.

We have recently learned of the death of William F. Kratli, A.M. '17, who lived at Knox, Indiana. Mr. Kratli was the father of Frank H. Kratli, A.M. '33, of the U. S. Rubber Company at Mishawaka, Indiana.

George J. Leitner, B.S. '43, has recently joined Nuodex Products, Inc., of Elizabeth, New Jersey, after having been with E. R. Squibb and Sons' Medicinal Chemistry Division for two and a half years.

William M. Leath, A. B. '30; A. M. '31, reports that his daughter Marilyn entered the University of California at Berkeley the fall of 1951.

Alfred K. Mozingo, '41, reports that his son, Peter, now has a little sister, Margaret Welker Mozingo.

M. W. Mead, Editor of the "Double Bond" of the Western New York Section of the A.C.S. reports that his second daughter, Susan Deborah, celebrated her first birthday on December 21, 1950. He also renews his offer of guided tours of Niagara Falls and vicinity. (He can look for lots of business during the A.C.S. meeting to come.)

W. P. Metzner, '33, Director of Research for the Rubber Service Department for Monsanto and Nitro, West Virginia, writes that he followed the Sulfur Conference closely, for most of his work is along the line of Organic Sulfur Compounds.

Charles G. O'Bannon, '47, is now Chief Process Engineer, Pilot Plant, of the Lubrizol Corporation. His address is 1526 East 196th Street, Euclid 17, Ohio.

L. S. (Scott) Paddock, '10, Has retired after 41 years with Swift and Company. He is now living at 500 Fernshaw Avenue, Eustis, Florida.

Luther S. Roehm, A. M. '34, has been manager of the Corn Division of the A. E. Staley Manufacturing Co., Decatur, Illinois, since April 1, 1951.

Edward "Bert" Stoeckel, '46, is a research chemist with Monsanto at Dayton, Ohio. He reports that a daughter, Krysten Elaine, was born September 27, 1951.

Blanche E. Skidmore, M.A. '42, has been transferred by the Red Cross to the Veterans' Administration Hospital at Northampton, Massachusetts. She is the Assistant Field Director in charge of all Red Cross Volunteers serving in the hospital.

John Shanks, '37, of the Personnel Department of E. I. Dupont of Wilmington, Delaware, recently visited the Department of Chemistry. He was interviewing candidates for positions with his company.

Hiram T. Spannuth, '35, Assistant Director of Research of Wilson and Company, Chicago, called on us recently while visiting relatives here in Bloomington.

J. E. Weber, Ph.D. '39, reports that the Chemistry Department, of which he is a member, at Bowling Green State University, Bowling Green, Ohio, is now enjoying its second year in its new three-quarter-million-dollar building.

John S. Wilson, '38, is Personnel Manager of the Chemical Division of the Corn Products Refining Company, Argo, Illinois. John paid us a visit a short time ago.

Harold H. Zeiss, '38, has been promoted to Assistant Professor in the Department of Chemistry at Yale University. His particular interest is organic chemistry.

Lenora Gentry Smith, '48, who was formerly lecture demonstrationist for the Department of Chemistry, reports that she and Mr. Smith are the proud parents of a son, Gregg.

NEWS OF THE DEPARTMENT OF CHEMISTRY

Visiting Speakers

Dr. Pieter E. Verkade, Professor of Organic Chemistry, Delft Technische Hoogeschool, Holland, spoke on October 2, 1951 before the Southern Indiana Section of the A. C. S. on the subject: "Synthesis of Glycerides and Phosphatidic Acids."

The Chemistry Colloquium had as a guest speaker on October 3, W. F. K. Synne-Jones, Kings College, Newcastle-on Tyne, England. His subject was, "The Significance of Ionization Constants."

Guest speaker at a meeting of the Chemistry Colloquium on November 1, 1951 was Professor San-Ichiro Mizushima, Faculty of Science, Tokyo University, Tokyo, Japan. His paper concerned "Internal Rotation of Simple Molecules with Reference to the Structure of High Polymers---Especially of Proteins."

On November 6, 1951 Dr. Joseph R. Spies of the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington, D. C., addressed the Southern Indiana Section of the A. C. S. on the subject: "The Chemistry and Physiological Properties of Oilseed Allergens."

Professor George W. Watt, University of Texas, spoke to a meeting of the Chemistry Colloquium on November 9, 1951. He presented a report concerning his research on the "Potentiometric Titrations of Liquid Ammonia."

Dr. Reuben G. Jones, Organic Division, Eli Lilly Research Laboratories, Indianapolis, was guest speaker at the December 4, 1951 meeting of the Southern Indiana Section of the American Chemical Society. His talk concerned "Some Recent Syntheses in Pyridine Chemistry."

On January 24, 1952 the Chemistry Colloquium was addressed by Dr. W. Conrad Fernelius, Chairman of the Department of Chemistry of Pennsylvania State College. His subject was: "Stabilities of Co-ordination Compounds."

Dr. Foster Dee Snell, Head of Foster Dee Snell, Incorporated, spoke to the Southern Indiana Section of the American Chemical Society concerning "Surfactants and Syndets," on January 8, 1951.

"The Development of the Radiocarbon Calendar" was the subject of an address given on March 4, 1952 by Dr. James Arnold at a meeting of the local section of the A. C. S. Dr. Arnold is an assistant professor in the Institute of Nuclear Studies at the University of Chicago.

News of the Faculty

Dean Frank T. Gucker, Jr. spoke at the Penn Chapter Preparatory School in Philadelphia on October 22, 1951. His subject was "A Chemist Looks at Clouds and Smokes." The occasion of this address was the 250th anniversary of the chartering of this school by William Penn.

On October 13, 1951 Dr. L. H. Klemm attended a symposium on spectroscopy held at Purdue University.

The Department of Chemistry was represented at the 67th Annual Meeting of the Indiana Academy of Science by Drs. Frank T. Gucker, Jr., E. R. Campaigne, C. E. Kaslow, C. S. Rohrer, L. H. Klemm, and J. H. Billman. Dean Gucker and Dr. Campaigne took part in a symposium entitled, "What Should Be Included in the Chemistry Curriculum of a Small Liberal Arts College?" Drs. Kaslow, Rohrer, Klemm, and Billman presented papers.

On a trip into Ohio, Professor E. E. Campaigne spoke on November 7th at the meeting of the Student Affiliates of the A. C. S. at Kent State University, Kent, Ohio, and at the Akron, Ohio Section of the A. C. S. on November 8, 1951. His subject was "Recent Advances in Organic Sulfur Chemistry."

Dean Frank T. Gucker, Jr. was the speaker for the November 29, 1951 meeting of the Weekly Chapel Colloquy. His talk gave recently discovered information concerning "Smoke and Cloud."

Dr. Felix Haurowitz will supervise research in the new Radiochemical Laboratory concerning radioactive antigens: I.e., antigens labeled by radioactive isotopes. These antigens will be injected into animals the organs of which will then be investigated and studied for radioactivity to determine where the antigen has been deposited. (An antigen is a substance which induces the organism to produce antibodies.)

This past Christmas saw a change in the recent practice of the Department of Chemistry regarding celebration of the season. Instead of the Christmas Colloquium the members of the faculty were hosts to the chemistry majors, graduate students, staff members, and their wives, husbands, or dates. The faculty members provided food in abundance and a special program of entertainment. The committees were made up of husband and wife teams. The Schaaps and Rohrsers were responsible for the entertainment, the Kaslows and Nebergalls procured the refreshments, and the Days and Peakes issued the invitations. In spite of December 15 turning out to be the coldest, most snowy night of the whole winter, a goodly number of guests waded over to the Chemistry Building for the fun.

Dean Frank T. Gucker, Jr. attended the 38th annual meeting of the Association of American Colleges held at the Statler Hotel, Washington, D. C., January 8-10, 1952.

On January 15-16, Dean Gucker attended a meeting of the Regional Councilors of the Office of Ordnance Research held at Duke University, Durham, North Carolina.

Dr. Harry G. Day, Acting Chairman of the Department of Chemistry, attended the meeting of the American Association for the Advancement of Science held in Philadelphia, December 26-29, 1952. On December 28, while in Philadelphia, he also attended a meeting of the Editorial Board of the Journal of Morphology and a dinner for members of that board that evening.

Drs Henry C. Thacher, Jr. and Lynne L. Merritt, Jr. attended the annual meeting of the American Institute of Physics held in Chicago during October 24-27, 1951. Dr. Merritt is a member of the American Crystallographic Association, and Dr. Thacher a member of the American Physical Society, both of which are associated with the American Institute of Physics.

The Atomic Energy Laboratory is now being used for research in the application of radioactive tracers and for the training of senior and graduate students in tracer technique. Various means are employed to safeguard the personnel and the building itself from radioactive contamination. Dr. L. L. Merritt, Jr, assisted by Dr. Hans Berneis, post-doctoral researcher, and Charles Weber are in charge of research in chemical analyses. Dr. Ralph L. Seifert is in charge of the training course, radiochemistry.

"Plan to Live," a second sound film on chemical laboratory safety, produced by the Audio-Visual Center of Indiana University is scheduled for release on March 15, 1952. This film is designed for use by industry and advanced students in universities, thus serving a somewhat different purpose than the former movie entitled "Safety in the Chemical Laboratory." The Script was written by R. J. Faust of the Audio-Visual Center and Drs. C. S. Rohrer and J. S. Peake of the Department of Chemistry.

Dr. Felix Haurowitz spoke at a biochemistry seminar on February 6 at the University of Chicago and at the Institute of Atomic Research at Iowa State College, Ames, Iowa, held February 7-9, 1952.

Grants

The Department of Chemistry has been the recipient of numerous grants made by various governmental agencies and private industry since reported in the last newsletter. The financial aid given to chemical research related to problems of health and nutrition alone totals some \$28,128. As yet no figure has been announced concerning grants covering other problems of research nor the total sum received to cover all fields of research, for there are a number of grants the applications for which are pending. However, the following have been announced:

Dr. C. E. Kaslow is the recipient of a grant from the Office of Ordnance Research, U. S. Army, for research on "The Nitration of Phenylquinolines." Dr. Chu-Tsin Liu who received his Ph. D. degree from the University of Rochester, Rochester, New York, will be Dr. Kaslow's post-doctoral research associate.

E. H. Sargent and Company has granted the Department of Chemistry a fellowship for one year. This has been awarded to Jack Phillip Young who will do research in "High Frequency Titrimetry" under the direction of Dr. L. L. Merritt, Jr.

A grant has been received from the Indiana State Board of Health to support the study, "Fluorine Analyses of Public Water Supplies." Dr. Harry G. Day, Acting Chairman of the Department of Chemistry, is the director of this project.

A grant from the Department of the Army, Office of the Surgeon General in support of research on "Fluorine Nutrition" has been renewed. Dr. Day is also director of this research.

The U. S. Public Health Service has renewed its grant covering research on the "Significance of Lipoxidase in the Metabolism of Carotene and Vitamin A." Dr. Day is the research director.

Dr. Felix Haurowitz has been informed that the grant which he has held from the U. S. Public Health Service has been renewed. The research concerns the "Combining Groups of Antibody Molecules---Antibody Formation."

A "Study of the Physical Structure of Dental Enamel and of Bones with Particular Emphasis on Surface Structure," research being carried out by Dr. R. B. Fischer is being supported by a grant from the Department of the Army, Office of the Surgeon General. The new electron microscope is being employed in this study.

The Atomic Energy Commission has renewed its grant to Dr. Felix Haurowitz. The research done under this grant concerns "The Mechanism of the Combination of Antigen with Antibody."

Employment of Recent Graduates

Yun-Ti Chen, who received his Ph. D. degree on February 10, 1952, has gone to Northwestern University as a post-doctoral research assistant to Prof. Bosolo. Mr. Chen did his research at Indiana under the joint direction of Drs. W. H. Nebergall and J. S. Peake.

Elihu J. Aronoff has accepted a position with the Sharples Chemical Company of Wyandotte, Michigan. Mr. Aronoff has been doing research under the supervision of Dr. C. E. Kaslow and will receive the Ph.D. degree in June 1952.

H. L. Thomas, who recently completed his work for the Ph.D. degree under Dr. E. E. Campaigne, has accepted a position in the Insulation Development Laboratories of the General Electric Company, Fort Wayne, Indiana.

Dale J. Fisher, Ph. D. '51, is now with The Union Carbide and Carbon Corporation working at Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Of the graduates of 1951 we have learned that Paul Bowlley and Warren K. Hedge are teaching at Boswell, Indiana and Silver Creek Township, Sellersburg, Indiana, respectively. Charles E. Roberson is in civil service at Columbus, Ohio. Eugene Redden is employed at the Naval Ammunition Depot at Crane, Indiana.

Dr. Seifert reports that Ned Hehner, B. S. '51, is at the Argonne National Laboratories undergoing a short training in metallurgy for his employer, The National Lead Company. His permanent address will be The Y.M.C.A., 105 North 2nd Street, Hamilton, Ohio.

George Schaeffer, Ph. D. '52, is now with Eli Lilly and Company, Indianapolis.

Perle Monroe, Ph. D. '52, is undergoing a training program at the Goodyear Rubber Company before being sent to Sumatra for permanent work.

Charles C. Becker, Ph. D. '51, is now at Harvard University with the Institute of Tropical Medicine.

J. Lon Pope is employed at the Clinical Laboratory of the Methodist Hospital of Central Illinois at Peoria. Mr. Pope received the M. A. degree on February 10, 1952.

Personal Data

John M. Christens from Belgium, a graduate student in the Department of Chemistry, and Mildred J. Richards from Princeton, Indiana, a graduate student in the School of Music, were married December 29, 1951, at Princeton, Indiana.

Harold Astrup of Norway, a graduate of the University of Oslo, is spending several months doing research with Drs. L. H. Klemm and E. E. Campaigne in the synthesising of compounds of possible use in combating cancer. Mr. Astrup received Fullbright and Institute for International Education Grants fro traveling and study.

The recipient of a DuPont Fellowship for 1951-1952 is Mr. William Hodes, a research student of Dr. L. H. Klemm. Mr. Hodes received his A.B. degree from New York University and his M.A. from Indiana. He is a member of Phi Beta Kappa, Phi Lambda Upsilon, and Sigma Xi.

Amy Aden Seidel was born Nov. 6, 1951. Amy is the daughter of Eugene M. Seidel, Business Mgr. of the Department of Chemistry, and Mrs. Seidel (Nancy Biddle).

Dr. and Mrs. Hans L. Berneis report the birth of a son, Kenneth Stanley, on December 25, 1951.