

NEWS LETTER

Association of Indiana University Chemists

Bloomington, Indiana
August 27, 1952

Dear A. I. U. C. Members:

Our next luncheon meeting is to be held in Atlantic City during the 122nd A.C.S. National Meeting. Since a goodly number of you reside in the New York area or will be attending the meeting, we hope to have a large group for our get-together. The Luncheon is scheduled for 12:15 p.m. on Tuesday, September 16, in the Chippendale Room of the Hotel Traymore. As usual, you will be able to obtain your tickets at the registration desk when you register for the meeting. Those who fail to obtain them there may purchase them at the luncheon. President Dolian of A. I. U. C. is to preside and Chairman Day of the Department of Chemistry will be able to tell you of the achievements of his department.

Last year we sent out ballots for the election of officers for the present year. This year we are trying to economize in view of the financial status of the organization and are appending the ballot to this letter. In accordance with our adopted constitution, Chairman Day has proposed two candidates for the two offices. The members at large are encouraged to send in the names of alumni whom they may prefer to elect to these offices. Please write these names in on the blank line under the line containing the name of the candidate proposed by the Department. Please mark an X in the appropriate box. Please clip off the ballot and send it in to us with some information about yourself or some fellow-alumms for our next news letter. If you could only know what a task it is to try to make up an interesting alumni news letter without alumni news!

Sincerely,

John S. Peake
Secretary-Treasurer

BALLOT

For President

Wilmer T. Rinehart, A. B. '30, M. A. '30, Ph. D. '40

For Secretary-Treasurer

John S. Peake, A. B. '31, Ph. D. '35

I enclose herewith _____ as my contribution to the Association.

NEWS OF THE DEPARTMENT OF CHEMISTRY

Dr. L. H. Klemm who has been a member of the faculty of the Department of Chemistry for the past five years has accepted a position at the University of Oregon, Eugene, Oregon. The Klemms, who are ardent campers and who have a great interest in youth hostels, left Bloomington August 26 for Eugene intending to camp enroute.

Dr. G. Dana Johnson has accepted a position with the Kansas State College of Agriculture and Applied Science at Manhattan, Kansas. Dr. Johnson will begin his teaching duties at Manhattan at the start of the fall semester of 1952-53.

Each spring one of the high points for advanced chemistry students is the meeting of the Student Affiliates of the Indiana Section of the American Chemical Society at Indianapolis. On April 25, 1952 twenty-three students accompanied by Dr. John H. Billman and Dr. John S. Peake attended this meeting. At noon there was a luncheon at the Antlers Hotel with Prof. L. L. Quill of Michigan State College as guest speaker. During the morning and afternoon the students from Indiana University joined students from other Indiana colleges and universities on tours of a number of Indianapolis industrial plants to see how all of the chemical knowledge they had been acquiring might be applied.

Dean Frank T. Gucker, Jr. attended a symposium sponsored by the Atomic Energy Commission and the Office of Naval Research and held at the University of Chicago on April 23-25. On April 23, Dean Gucker lectured to the group on "Heat Capacity of Aqueous Solutions Up to the Critical Temperature."

On June 3 news was received that Dean Frank T. Gucker, Jr. had been appointed as one of the ten regional councilors of the Office of Ordnance Research of the United States Department of the Army. The other nine members are also men prominent in their fields, which may be chemistry, mathematics, physics, or engineering. The group acts as coordinators and advisers on civilian research projects sponsored by the Office of Ordnance Research.

Dr. E. E. Campaigne has had working with him Dr. Lutfi Ergener, a professor of organic chemistry at the University of Istanbul, Istanbul, Turkey. Dr. Ergener is on leave of absence to do research here on cancer inhibitors with Dr. Campaigne. They are investigating certain carbazoles which are cancer producing with the hope that related chemicals can be found which are cancer preventing.

Prof. Felix Haurowitz spoke at the symposium on biological control systems held at the University of Illinois at Urbana, Illinois, June 25, 1952. His lecture concerned "The Biological Control of Protein Synthesis."

Dr. Haurowitz attended the Second International Congress of Biochemistry held in Paris during July 21-28. While there he delivered two lectures concerning his internationally recognized research on how the bodies of animals for agents which immunize against disease.

William E. Hatton, '52 received the American Institute of Chemists gold medal awarded for his outstanding scholarship and his aptitude for chemistry research. Mr. Hatton graduated from Bloomington High School in 1946. After spending two years in the U. S. Armed Forces, he entered Indiana University.

At the May meeting of the Southern Indiana Section of the American Chemical Society new officers were elected for the coming year, 1952-53. They are: Chairman, L. L. Merritt, Jr.; chairman-elect, John S. Peake; secretary, R. C. Bard of the Department of Bacteriology; treasurer, W. S. Nebergall; councilor, Dean Frank T. Gucker, Jr; and alternate councilor, E. E. Campaigne.

Two new faculty members will join the Department of Chemistry beginning with the Fall Semester of 1952-53. Dr. Walter J. Moore, a physical chemist, last taught at The Catholic University of America, but has been spending the past year in Europe. Dr. Vernon J. Shiner, an organic chemist, received the Ph. D. degree from Cornell University in 1950 and has since been working in Professor Bartlett's laboratory at Harvard University.

To take care of the large quantity of typing for the Department of Chemistry another full-time typist has been added to the office staff making three in all. Also a girl has been hired for full-time care of the stock room records.

Since the last report in the spring newsletter several additional grants for fellowships have been received by the Department of Chemistry. Jack Phillip Young of Huntington, Indiana has been awarded a fellowship from the E. H. Sargent and Company to do research on new instrumental techniques of chemistry analysis under the direction of Dr. L. L. Merritt, Jr.

The Dow Chemical Company has made available funds for studies of surface tensions of molten salts and metals under the direction of Dr. John S. Peake. Richard W. Neithamer of Erie, Pennsylvania is the recipient of this fellowship.

The Office of Naval Research has awarded a grant for work on the Controlled Halogenation of Silane under the direction of Drs. W. H. Nebergall and John S. Peake. Work on this project will be carried out by Mack Harvey of Indianapolis and Herman Opitz of Coxsackie, New York.

Dr. Ward B. Schaap has been working at the Oak Ridge National Laboratories, Oak Ridge, Tennessee during the past summer.

In connection with Fluorine Research Program carried out by the Department of Chemistry under grants from Procter and Gamble and under the direction of Drs. Harry G. Day, Joseph C. Muhler, and W. H. Nebergall a dental clinic has been set up on the campus. A quonset hut on Jordan Avenue houses three dental chairs where school children are accepted for dental examination, their teeth X-rayed, number of caries noted, and their teeth cleaned. These children are then given tooth paste to use. In six months these children will each have another dental examination. It is hoped that at least six hundred children may be so examined. With the beginning of the Fall Semester, university students will also be received for examination.

During the few months for which we are reporting in the regular school year the faculty and students of the Department of Chemistry listened to a number of outstanding chemists at meetings of the Southern Indiana Section of the American Chemical Society and at sessions of the Chemistry Colloquium. On April 8, 1952 Professor G. Frederick Smith of the University of Illinois and founder and supervisor of the G. Frederick Smith Chemical Company of Columbus, Ohio, spoke to the monthly meeting of the A. C. S. Professor N. H. Furman, Chairman of the Department of Chemistry, Princeton University spoke to the Southern Indiana Section of the American Chemical Society on May 6, 1952. His topic was "Recent Advances in Chemical Analysis by Electrical Methods."

Colloquium speakers were: Dr. V. J. Shiner, Jr., who spoke on "The Structure of the Ketene Dimer," on April 21, 1952; Professor Herbert A. Laitinen, of the University of Illinois lectured on "Amperometric Titrations" on April 18, 1952. Professor I. M. Klotz, Northwestern University, spoke on "The Nature of Some Protein Complexes on March 28, 1952. On April 4, 1952 Professor Philip W. West of Louisiana State University lectured on the subject, "Spot Test Methods of Analysis," on April 4, 1952. Dr. Edgar E. Hardy, assistant research director in the Phosphate Division of Monsanto Chemical Company, Anniston, Alabama was speaker before the Chemistry Colloquium on March 14, 1952 on the subject "Training for Industry."

Personal

Dean and Mrs. Frank T. Gucker's daughter, Katharine, was married to Herbert H. Hand at the First Presbyterian Church on July 26, 1952. Mrs. Hand attended Bryn Mawr College for two years and then graduated from Indiana University this past June after two years here.

A son, Wayne Winslow Johnson, was born to Dr. and Mrs. G. Dana Johnson on May 5, 1952.

Henry Clarke Thacher, III, was born August 25, 1952. He is the fifth child and the first son of Dr. and Mrs. Henry C. Thacher, Jr.

Recent graduates will be happy to learn that Paul Silva, a graduate student completing work for the Ph. D. degree, who was seriously ill during the second semester of the past year, is back at Indiana University at work. However, Mr. Silva's wife, two young sons, and twin daughters, Shariene A. and Marlene B., born March 24, 1952, are not with him in Bloomington.

NEWS OF THE ALUMNI

Scarcely a member of the reading public has escaped learning about the new wonder product, Krilium. However, it is probable that few Indiana University Chemists know that another Indiana University graduate was one of the original investigators on the idea which led to Krilium. He was then joined by other researchers. - That Chemist is Ross M. Hedrick, Ph.D., '47, of Monsanto's Central Research Laboratories.

A photograph recently posted on the bulletin board outside the Department of Chemistry office shows Dr. Frank F. Farley of the Shell Oil Co.'s Laboratories at Wood River, Illinois and his four group leaders. Two of these group leaders are B. D. Fink, B. S. '41, Group Leader of Asphalt, and R. W. Lewis, Ph.D. '43, Group Leader in Lubricants.

Our supply of alumni news is largely limited to our brief contacts with alumni coming through Bloomington and to graduate students who have recently left the department.

Joseph Weber, Ph. D. '37, paid us a visit the week before commencement. Joe has held the rank of professor now for several years at Bowling Green State University at Bowling Green, Ohio. He teaches organic chemistry.

Robert Cavanaugh, A. B. '34, is now the Director of Research at the Eastern Laboratory of E. I. duPont de Nemours at Biggstown, New Jersey. Bob told us about the nature of his job and his high regard for the DuPont Company.

Robert H. Treadway, Ph. D. '36, came through Bloomington so fast that he had time only to give us a phone call. He was on his way back from a conference dealing with the problems in the processing of dehydrated potatoes. Bob is still with the Eastern Regional Research Laboratory of the U.S. Department of Agriculture at Philadelphia.

Ralph Forney, B. S. '50, is leaving his position with the Quaker Maid Corp. in Terre to enter school in Nashville, Tennessee in preparation for missionary educational work.

John Deupree, Ph. D. '36, dropped in to see us during his visit here with his parents. John is an associate professor at the University of Detroit and teaches organic chemistry.

L. Max Wagner, Ph. D. '49, told us of his interesting experiences in his metamorphosis from a theoretical electrochemist to an engineer. He finds engineering every bit as fascinating as chemical theory. Max is special assistant to the man in charge of duPont's atomic energy activities.

We spent a pleasant evening at the Buffalo meeting of the A. C. S. with Roy Huitema, Ph. D. '34, who teaches in the Chicago Division of the University of Illinois and who does special consulting work in the field of tin and its compounds.

While at the Buffalo meeting we had lunch and two extended conversations with Herschel G. Grose, Ph. D. '51. Herschel is with duPont in their Waynesboro, Va. Synthetic Fiber Plant.

William Lindsey, Ph. D. '52, is also with DuPont. He is located in Buffalo.

While sitting next to Harry Gatos, M. A. '38, at the A. I. U. C. luncheon in Buffalo, we learned somewhat about his doctoral research work at M. I. T. and that he is very happy in the Engineering Experiment Station at duPont in Wilmington, Delaware. Harry and Max Wagner were intimate friends here in Graduate School and now work and live close to each other in Wilmington.

All reports by correspondence from Midland, Michigan indicate that Marvin E. Bothwell, Ph. D. '52, Robert E. Anderson, M. A. '51, Norman Sweeney, M. A. '51, Billy Hibbard, Ph. D. '51, and Rodney Moss, Ph. D. '51, are happy in their respective jobs with the Dow Chemical Company.

W. M. LeSuer, Ph. D. '48, was at the A. I. U. C. luncheon in Buffalo. He has been doing research on oil additives for the Lubrizol Corporation of Cleveland, Ohio.

Ping Lum Ho, Ph. D. '52, is working on the synthesis of organic compounds for the National Aluminate Corporation in Chicago, Illinois. Mrs. Ho (Ju Yu Chen) received the Ph. D. degree at the same time as did her husband.

William Fleming, M. A. '52, and William Hodes, Ph. D. '52, have taken positions in the research laboratories of the Standard Oil Corporation of Indiana at Whiting. Mr. Fleming married a very charming young lady from his home town in Kansas before moving to Whiting.

Richard L. Hardin, Ph. D. '52, is working as a postdoctoral fellow with Dr. Felix Haurowitz. He will begin new duties at the beginning of the Fall Semester teaching biochemistry at the University of Louisville, Louisville, Kentucky.

Hans L. Berneis, a post-doctoral fellow who has been working the past two years with Dr. L. L. Merritt, Jr., has accepted a position with the Patent and Law Division of the Upjohn Company in Kalamazoo, Michigan.

James Rooley, Ph. D. '51, has already made significant contributions in catalytic processes at E. I. duPont de Nemours, and we predict that he will rise rapidly in the organization. Jim dropped in to see us just before Commencement.

Marine Rowe A. B. '40, of Eli Lilly and Company paid us a visit during the summer. Miss Rowe is now living at 4413 College Avenue, Indianapolis.

Elihu Aronoff is working for the Wyandotte Chemical Company at Wyandotte, Michigan.