

NEWS LETTER

Association of Indiana University Chemists

March 22, 1951

Dear A. I. U. C. Members:

Once more the sun is shining warmly on Southern Indiana. The grass is now green again and the jonquils are in bloom. The cheerful notes of the cardinals and titmice floating through the open window of the Chemistry Building combine with the sight of students strolling leisurely along campus walks to remind us that spring is returning to I.U. Does this awake fond memories? Well, let's do something about it. Why not take part of that annual vacation and make a pilgrimage back to the scenes of former happy days. To be sure, most of the faces will be unfamiliar, but there will be some familiar ones as well. Dr. May is here regularly, and Dr. Mathers and Dr. Brown rarely miss a day of part-time attendance at their laboratories. Dean Briscoe at his office in the Administration Building will be very glad to see you. We would be most happy to have you stop by and visit us in the "editorial office" for a chat. We should like to get acquainted with those who were not in school during the years of 1927-35. After all, you need not wait for your regular class reunion. You are always a member of the group at the Chemistry Building.

Some of us will be able to get together next month in Cleveland at the luncheon during the American Chemical Society Meeting. Our luncheon is to be held at 12:15

Tuesday, April 10, 1951,

in
Parlor C
of the
Hollenden Hotel
Cleveland, Ohio.

Tickets will be available at the A.C.S. Headquarters or at the door at the time of the luncheon. We hope that as many as possible of you who are in Cleveland at the time will attend the luncheon.

Forty-three members and several guests attended the luncheon held at the Stevens Hotel last September during the meeting of the American Chemical Society. Your president, Mrs. Meredith Pleasant Sparks, A.M. '28, presided.

By next September it will be necessary for you to choose officers again for our organization in accordance with the new constitution which you approved unanimously. If you have suggestions for candidates for the offices of President and Secretary-Treasurer who would serve for the coming year beginning in September, please send them in. You can thereby assist Dr. Gucker and your editor in making up a slate to put on the ballots to be sent out with the summer news letter.

And speaking of sending things in, once more we are obliged to call attention to the extreme modesty of most of our members. It seems that we only get news when we send out emergency calls. Well, this is just another emergency, and we hope to get some more from you for the summer news letter. This time you are being sent a self-addressed postal card with a full side left blank for news of your activities. Please let us know whether there are any of your fellow alumni who are not on our mailing list.

Sincerely yours,

John S. Peake

NEWS OF THE ALUMNI

Dr. Joseph D. Heitger, '04, has been practicing ophthalmology and otolaryngology in Louisville since 1934

Hugh Hamill, '15, has been employed by Climax Molybdenum Company for the past fifteen years. For twelve of those fifteen years he has been in charge of the control laboratory as well as research.

Col. Michael J. Blew, '16, reports that he is pretty busy as Chief of the Water Supply and Sanitary Services, Office of Chief of Engineers of the Department of the Army.

Deloss A. Grant, '17, Division Credit Manager of the Socony-Vacuum Oil Company, Chicago, is looking forward to retiring to Bloomington in about nine years—apparently as a "gentleman farmer."

Richard R. Grindle, '17, has been superintendent of the Chemical plant for Research Products Corporation, Madison, Wisconsin. They manufacture zeolites and other water treating minerals.

J. C. Warner, A. B. '19, A. M. '20, Ph. D. '23, has joined the illustrious group of Indiana University who have become college and university presidents. Dr. Warner was installed as president of the Carnegie Institute of Technology on October 28, 1950. President Warner went to Carnegie Tech in 1926. In 1938 he was made Chairman of the Department of Chemistry and later Dean of the Graduate School of the Carnegie Institute of Technology. Mrs. Warner (Louise Hamer) is also an Indiana graduate.

Verling M. Votaw, A. M. '26, is with the Proctor and Gamble Company and is their Director of Publicity. As guest speaker of the Student affiliate of the American Chemical Society on February 26, 1951 he spoke on "Employment Opportunities in Chemical Industry," telling the students here at Indiana of the many unusual experiences connected with his work in particular.

Worth A. Fletcher, Ph.D. '27, is professor of Chemistry and Registrar at the Municipal University of Wichita, Wichita, Kansas.

Rex Bradt, '30, reports that he has been in paper, plastics, and process industry research and development ever since he left school. Two years prior to World War II he "hung out his shingle" as a consulting chemist, but during the war he worked at an ordnance plant setting up technical departments and such. Later he went to work at the University of Chicago Metallurgy Laboratory. Since the war he has returned to consulting.

William M. Leath, A.M. '31, is a Senior Research Chemist with Tide Water Associated Oil Company (Western Division), Avon Refinery, which is located 50 miles east of San Francisco.

J. E. Weber, '32, who is teaching at Bowling Green State University, Bowling Green, Ohio, brought out a new edition of his junior level organic chemistry laboratory manual several months ago.

Joanna M. Dickey, A. M. '33, who has been with the Armstrong Cork Company, Lancaster, Pennsylvania, for the past several years is at present working on the chemistry of the drying oils and reactions of resinous materials with drying oils.

Dr. Frank E. Rice, A. M. '33, is Executive Secretary of The Evaporated Milk Association, an organization devoted to research and educational work on behalf of evaporated milk.

Benjamin I. Kaufman, '33, is an attorney specializing in patent law in the chemical field. His office is at 225 Broadway, New York City.

Luther S. Roehm, A. M. '34, has been with The Dow Chemical Company for about twelve years. The last we heard his title was that of Assistant Manager of the Technical Service and Development Division.

Roy Huitema, Ph. D. '34, is a member of the Chemistry Department of the Chicago Undergraduate Division of the University of Illinois.

Robert L. Brown, '35, has spent the past fifteen years with Globe-Union Inc., Milwaukee. At present he is Assistant to the Chief Engineer in the Storage Battery Engineering Department.

J. F. Dellinger, '35, was employed at the Linde Air Products Company research laboratory located at Tonawanda, New York from 1936 to 1942. In 1942 he went to East Chicago with the Linde Air Corundum Division manufacturing synthetic sapphire products.

F. A. Griffiths, Ph. D. '36, is a professor chemistry at Maryville College, Maryville, Tennessee.

Lester L. Stout, '36, is Assistant to the Executive Director of The Ohio State University Research Foundation.

Robert H. Treadway, Ph. D. '36, has a new home address: 8400 Hull Drive, Philadelphia 18, Pennsylvania. Bob is with the Eastern Regional Laboratory of the Department of Agriculture.

Lyle M. Williams, '36, is a project engineer with the Guide Lamp Division of the General Motors Corporation, Anderson, Indiana.

Zenon Szatrowski, A. M. '37, is Chairman of the Department of Statistics at the University of Buffalo, Buffalo, New York.

Eldridge Faith, '38, is an organic chemist with the Pitman-Moore Company of Indianapolis, Indiana.

Robert B. Forney, '39, is an Assistant Professor of Toxicology at the Indiana University Medical School. He conducts analyses for poisons for coroners and other law enforcement agencies in the state.

Wendell D. Mason, M. A. '40, tells us that he is now a chemist with Huntington Laboratories, Huntington, Indiana. After leaving Indiana he was an instructor at the University of Tennessee and later a chemist at TVA (Muscle Shoals) for several years.

Otis W. Fortner, '40, has a new address: Air Reduction Company, Inc., Research Laboratories, Murray Hill, New Jersey. He is still with the same company, however.

H. S. Gutowsky, '40, is on the teaching staff of the Chemistry Department at the University of Illinois in Urbana.

Walter J. Kleinschmidt, '40, has accepted a position in the research laboratories of E. I. Lilly and Company. He received his Ph. D. at the University of Minnesota this past summer.

Joseph E. Waltz, '41, is Research Manager in the Nylon Research Section at the DuPont Experimental Station, Wilmington, Delaware.

Reuben J. Grim, Ph. D. '41, has been teaching at the West Virginia Institute of Technology for twenty-eight years. He received his A. B. and A. M. in the spring and fall of 1920, however.

J. Robert Spraul, Ph. D. '41, has been the Assistant to the Director of Research and Testing Laboratory for the General American Transportation Corporation, East Chicago, Indiana. His work is principally with chemical engineering process equipment and rotary dryers in particular.

Richard W. Hobson, Ph. D. '41, is doing synthetic rubber and polymerization research for the Goodyear Tire and Rubber Company where he has been a research chemist since 1941.

Phillip M. Ravenscroft, '41, reports that he has been working in the production evaluation part of the Chemical Products Division of the Standard Oil Company (Indiana) at Whiting for the past three years and is enjoying his work greatly. He also tells us that there are two other I. U. graduates there, E. P. Easterday, Assistant Personnel Director, and James Vasic, Technical Service Division.

D. R. Fink, '41, and Robert W. Lewis, Ph. D. '43, have been promoted to group leaders at the Wood River Research Laboratories of the Shell Oil Company, Wood River, Illinois.

Bianche E. Skidmore, A. M. '42, is working as a research assistant at the over-ly Biochemical Research Foundation, Inc., 254 W. 31st Street, New York City.

Herace William Cook, '42, has been with the B. F. Goodrich Chemical Company since he left I. U. in December of 1941. He is now in the Geon Sales Department of that organization and spends half of his time in the Cleveland Office and the other half traveling.

John Lloyd Randall, Ph. D. '43, is Section Leader in charge of Technical Information of the Central Research Department of the Minnesota Mining and Manufacturing Company at St. Paul. John is married and has a three-year-old son, J. L., III.

Rolland E. Greenburg, '43, who left chemistry for medicine, set up practice in Jasper, Indiana last spring. He specializes in obstetrics and gynecology.

Clarence J. Hull, Ph. D. '44, is now an Assistant Professor in the Chemistry Department at the University of Detroit.

Marshall Mead, '46, is editor of the "Double Bond," publication of the Western New York Section of the American Chemical Society. He generously offers a personally supervised tour of the Niagara Frontier to any A.I.U.C. members passing through Niagara Falls, New York if they will phone him.

Harold J. Blumenthall, '47, received the M. S. degree in biochemistry from Purdue 1949. He is now a research fellow in the Bacteriology Department at Purdue while completing work for the Ph. D. degree.

Clarence A. Discher, Ph. D. '47, was promoted to Associate Professor of Chemistry of the Rutgers University College of Pharmacy on July 1, 1950.

H. W. Johnston, Ph. D. '48, has a new potential paint and varnish chemist in the family—Hugh Richard, who arrived May 23, 1950.

NEWS OF THE DEPARTMENT OF CHEMISTRY

The greatest constructional activity around the Chemistry Building has taken place on a spot just south of the east wing of the building. A short time ago digging was begun for the footings of the new Atomic Energy Laboratory. Soon the footings were in, and at the moment the walls are rising. As mentioned in our last news letter, the laboratory is 36 x 75 feet and is being constructed of concrete blocks. All of the new and extensive program of atomic research will be carried out in this building under the general supervision of Dr. Frank T. Gucker, Jr. Various other members of the Department of Chemistry are to be in charge of specific branches of this research.

For many months another extensive operation has been under way in the Chemistry Building. Pipe fitters have set up a workshop in the northeast entrance and have been putting steam connections in many of the various laboratories which were not so fitted when the building was built. Simultaneously, the electricians of the university have been at work putting in more electrical outlets, heavier lines, and larger fuse and switch boxes where needed in various parts of the building.

The Department of Chemistry has received numerous grants in recent months and now holds grants totalling more than \$100,000. Perhaps the largest is that of \$24,500 received from the Atomic Energy Commission for the building and establishment of the laboratory already mentioned. This sum is the amount contributed for expenses during the first year. Dr. L. L. Merritt will direct the chemical research in connection with this project; and he will be assisted by Dr. Hans Berneis, post doctoral fellow, and Mr. Charles Weber. Bio-chemical research will be under the direction of Dr. Felix Haurowitz and Dr. Harry G. Day. Dr. Ralph Seifert will be in charge of student training in the handling of radioactive materials.

Dr. Frank T. Gucker, Jr. has received a grant amounting to \$21,049.50 from the Air Force Cambridge Research Laboratories, Cambridge, Massachusetts, for the study of the "Mechanism of Coagulation of Aerosols." This grant is for two years beginning November 1, 1950.

Dr. Gucker also holds a grant from the Office of Naval Research for the purpose of carrying out work on the study of the "Thermodynamic Properties of Solutions."

Dr. Harry G. Day has recently received grants for two studies. The first from the Department of the Army extends for another year research on the "Essentiality of Fluorine." The second, sponsored by the U. S. Public Health Service, is for investigating "The Significance of Lipoxidase in the Metabolism of Carotene and Vitamin A."

Drs. W. H. Nebergall, Harry G. Day, and Joseph Muhler (D. D. S.) are engaged in research on the "Significance of Tin and Fluoride in Dental Caries." The Proctor and Gamble Company are the sponsors of this research.

Dr. Felix Haurowitz holds a grant from the U. S. Public Health Service for work on the "Nature of the Combining Groups of Antibody Molecules," and also a grant from the Federal Security Agency amounting to \$5,616.

Dr. L. L. Merritt was awarded a grant by the Office of Naval Research for the study of the "Stability of Chelate Compounds."

Dr. E. E. Campaigne received the sum of \$1,998 from the Federal Security Administration for cancer research.

On September 19th Dr. Gucker spoke at the Northeastern Indiana Section of the American Chemical Society. His topic was "Aerosols." The meeting was held at the G. E. Squares Club in Fort Wayne.

Dr. E. E. Campaigne was a visiting professor for the summer session of 1950 teaching organic chemistry at his "alma mater," Northwestern University.

Between January 29 and February 1 Drs. L. L. Merritt and Robert Fischer attended the Fourth Annual Symposium on Analytical Chemistry at Louisiana State University, Baton Rouge. Dr. Merritt spoke on "Organic Reagents" and Dr. Fischer on "Electron Microscopy." Both took part in a round-table discussion on the "Teaching of Analytical Chemistry."

Drs. Ward Schaap, L. L. Merritt, and P. F. van Velden attended the Symposium on the "Equilibrium and Rate Behavior of Complex Ions" held at the University of Chicago under the sponsorship of the Office of Naval Research and the

Atomic Energy Commission from February 21st to 23rd. Dr. Schaap presented a paper on the "Complexes of Iron with Anions of Dicarboxylic Acids."

Two books have recently been published by department of Chemistry faculty members. Dr. Haurowitz' Chemistry and Biology of Proteins was brought out during the late autumn by the Academic Press, Inc., New York. Dr. J. H. Billman and Mrs. Elizabeth Cleland (a former instructor of chemistry at Goucher College and the wife of Dr. Ralph Cleland, Dean of the Graduate School) are authors of Methods of Synthesis in Organic Chemistry.

Chemists of Southern Indiana and the faculty and students of Indiana University's Department of Chemistry have had the opportunity to hear of work being done by and the viewpoints of a number of outstanding chemists in their fields. As Colloquium Speakers during the fall and winter months Drs. Richard T. Arnold, University of Minnesota; Gus D. Dorough, Washington University of St. Louis; Frank W. Putnam, University of Chicago; and John L. Magee, University of Notre Dame, have been with us. Drs. Ralph H. Muller, New York University; Frederick D. Rossini, Chairman of the Chemistry Department, Carnegie Institute of Technology; V. I. Komarewsky, Illinois Institute of Technology; George L. Clark, University of Illinois; G. W. Beadle, California Institute of Technology; and Louis F. Fieser, Harvard University, spoke before members of the Southern Indiana Section of the American Chemical Society.

An invitational conference on organic Sulfur Compounds is to be held here at Indiana University between August 29 and September 1, 1951. About one hundred guests will be invited to hear twelve speakers and twelve moderators discuss problems in the fields of petroleum compounds, physiologically active sulfur compounds, and fundamental problems of organic sulfur chemistry. Six of these speakers and moderators are from foreign countries; the other eighteen are from various corporations and universities in the United States. Dr. E. E. Campaigne is promoting this scheduled conference and is chairman of the conference committee.

----- On the Personal Side -----

On September 2, 1951 Eugene Seidel, Assistant to Dr. Gucker, and Miss Nancy Biddle, daughter of the late Ward G. Biddle, '16, former Treasurer and Vice-President of Indiana University, were married at Ann Arbor.

Dean H. T. Briscoe attended the inauguration of Dr. J. C. Warner as president of the Carnegie Institute of Technology at Pittsburgh on October 28, 1950.

Two members of the chemistry faculty have new daughters in their families. The Henry Thacher's Alida was born January 7, 1951. The E. E. Campaigne now have Barbara Naomi born on February 27, 1951.

Dr. and Mrs. Frank Mathers entertained the teaching faculty and wives en masse at a dinner party on January 3. Dr. Mathers won the turkey at the Men's Faculty Club Christmas party drawing. The Mathers added another turkey and arranged a dinner in Room D of the Union Building. After dinner the tables were removed and Dr. and Mrs. LeRoy Klemm led some group singing.

Catharin Alice (Tatty) Briscoe, daughter of Dr. and Mrs. H. T. Briscoe, was married to Stephen G. Ayers on March 17, 1951.