

# NEWS LETTER

## Association of Indiana University Chemists

August 25, 1951

Dear Members of A. I. U. C.:

Summertime is rapidly drawing to a close, and this means that we must hasten to get out our regular news letter before the fall A. C. S. meeting. This coming meeting will probably bring together more A. I. U. C. members at one time than any of the previous meetings. Accordingly we have made arrangements for a:

Luncheon Meeting  
Tuesday, September 4, 1951 at 12:15 P.M.  
at the  
Hotel Biltmore  
Stuyvesant Room.

We hope that all of you who are planning to be in the New York area for the big festivities will attend this "get together."

You may recall from the news letter of last summer that it is time for all good members to come to the aid of the association by helping in the selection of officers for the coming year. During the year just ending, your president, Mrs. Meredith Pleasant Sparks, A. M. '28, has served the organization very faithfully and has presided at the luncheon meetings at Chicago and Cleveland. She is also to preside at the forthcoming meeting in New York.

Our acting chairman of the Department of Chemistry, Dr. Harry G. Day, has proposed two names for the slate in accordance with the constitution. He has nominated Dr. L. Max Magner for the office of president and John S. Peake for secretary-treasurer. In addition to these names the following names have been suggested by other members of the organization: Frank Dolian, president, and Benjamin Kaufman, secretary-treasurer.

The enclosed postal card is to serve, as before, in the dual capacity of ballot and a medium for bringing in those items of personal news which we can hardly obtain otherwise. Please remember that whatever enjoyment you received from the last two news letters is due to the fact that some of the members helped out by sending in on the cards supplied personal information about themselves or some other member. How about doing your part by helping us for the next one?

We still need your help in increasing the volume and accuracy of our address file. We are making progress, but the file is far from complete. Various members have helped a lot by sending in the addresses of fellow alumni. We do not mind receiving duplicates, so if you know some addresses of alumni who may not be receiving the news letter, please send them in.

One final word--Unless you are paid up in advance, we would appreciate that dollar to tide us over the coming year.

Sincerely yours,  
John S. Peake

## NEWS OF THE ALUMNI

James N. Currie, '07, reports that he is now living at 68 College Street, Montpelier, Vermont--having moved from 549 East 16th Street, Brooklyn 26, New York. We wish to take this opportunity to thank Mr. Currie for his support of this organization as manifested by a check for \$10.

Iva E. Lee, '11, A. M. '12, is now spending his time keeping his home in repair, reading and traveling since his retirement July 31, 1948, after 30 years with the DuPont Company. He did research on dyestuffs, accelerators, anti-oxidants and intermediates for dyes and vat dyes. The last 20 years he spent in plant process and development work on intermediates and vat dyes.

John R. Kuebler, '12, A. M. '15, reports that he is on his twenty-fifth year as secretary-treasurer of Alpha Chi Sigma; twenty-ninth year as editor of the Hexagon of Alpha Chi Sigma. At present he is secretary-treasurer of the professional interfraternity Conference; treasurer of the Interfraternity Research and Advisory Council; treasurer of the National Conference on College Fraternities and Societies and still married to the sweetest woman in the United States.

Deloss A. Grant, '17, Division Credit Manager, Socony-Vacuum Oil Company, Inc., Chicago, was elected president of the Chicago Association of Credit Men for the year 1951-1952. He is a Director of the National Wax Company, Chicago, and was president of the American Petroleum Credit Association in 1944-45.

R. R. Grindle, '17, is Production Manager of the Chemical Division of Research Products Corp., Madison, Wisconsin.

Leon L. Deer, '21, A. M. '21, is employed as Materials Engineer, U. S. Naval Ordnance Plant, Indianapolis, Indiana. He specializes in non-ferrous metals, plastics, synthetic oils and greases.

Russel L. Hardy, '22, A. M. '23, reports that an article in the Indiana Alumnus about three years ago brought his affairs up-to-date and he has been busily engaged in his then new job (Director of Production, Electro-Chemicals Department, E. I. DuPont Nemours and Co., Wilmington, Delaware) since that time.

J. C. Warner, Ph. D. '23, President of the Carnegie Institute of Technology, and Mrs. Warner visited the campus early in March--just as the last news letter was being mailed out. President Warner conferred with various officials of the University and talked to all of the faculty and graduate students doing research in physical chemistry. The Warners met the members of the faculty of the Department of Chemistry and their wives at a tea at the home of Dean and Mrs. Frank T. Gucker, Jr.

Wayne A. Kirklin, '26, reports that he is still with the Hercules Powder Co., Wilmington, Delaware. He is manager of the Analytical Division of the Experiment Station. Apparently he is also a member of the Advisory Board of Analytical Chemistry.

C. L. Gregg, '29, and Mrs. Gregg (Margaret Thornburg) and daughter Martha visited the campus during the commencement weekend. "Charlie" (or Luther, as he is called in Midland) has been with the Dow Chemical Company for over twenty years.

Robert J. Hartman, Ph. D., '30, is with the Skinner Paint and Varnish Corporation, Galesburg, Illinois.

Luther Roehm, '32, became manager of the Corn Division of the A. E. Staley Manufacturing Co. in Decatur, Illinois, on April 2. "Luke" was formerly with the Dow Chemical Company.

W. P. Metzner, '33, is Director of Research at Monsanto's Charleston Laboratory in Charleston, West Virginia. He obtained a Ph. D. from the University of Chicago in 1937 and has been with Monsanto at St. Louis, Dayton and Charleston since that time.

Robert C. Gore, Ph. D. '33, of American Cyanamide reports that he gave a paper at the Faraday Society at Cambridge University, in October. At the same time he visited England, Scotland, Holland, Belgium, Switzerland and France.

Hiram T. Spannuth, '35, has been employed by Wilson and Company in the research division. At present he is an assistant director.

Lester Stout, '36, of the Ohio State University Research Foundation paid a visit this summer during his vacation stop-over in Bloomington.

Joseph Dec, '36, is head of Organic Chemistry Section, Johns-Manville Research Center, Manville, New Jersey. He has had this position since 1946.

Anson P. Hobbs, '36, of the Dow Chemical Company returned to the campus for commencement weekend and the Class of '36 banquet.

V. L. "Bud" Miller, '37, A. M. '38, is Research Administrative Assistant with the Pittsburgh Corning Corporation, Port Allegany, Pennsylvania--which manufactures "glass building block, multicellular glass insulating--'Foamglas', and all glass double glazed window units." "Bud" is active in Pennsylvania--New York Western Border Section of the A. C. S.

Robert A. Mitten, '38, is now chief chemist of the Dryden Rubber Division of the Sheller Manufacturing Co., Keokuk, Iowa. He worked for B. F. Goodrich in Akron until 1945 and then spent five years with the Standard Oil of New Jersey in Akron and New York. The Mittens and six-year old son are now settled on the banks of the Mississippi and are building a new home.

John M. Brown, '38, A. M. '40, is still research chemist with G. D. Searle and Company, Chicago, but he is now married and lives at 232 Elmwood, Evanston.

Otis W. Fortner, '40, reports: No. 1 son and heir--John Leonard Fortner--was born on November 12, 1950. Maybe if we feed him properly we can supply the I. U. football team with a back about 1969. (This unsigned card was mailed from Madison, Wisconsin. Our file lists only Otis W. Fortner of Leonia, New Jersey. Our apologies if we have ascribed the son to a wrong father.)

Alfred K. Mozingo, '41, began work in Chemical Process Control for Cutter Laboratories. His present problem is "Red Cell Fractionation."

John Overman, A. M. '41, is Production Manager at the Continental Battery Company located in Dallas, Texas. He was formerly with National Lead Co.

H. W. Cook, '42, reports the birth of a second son in his family—James Roy Cook, born April 7, 1951.

Nolan B. Sommer, Ph. D. '44, is Manager of the Market Development Division, Jefferson Chemical Company, Inc., 711 Fifth Avenue, New York 22, N. Y.

Edward "Bert" Stoeckel, '46, is with the Mound Laboratories of Monsanto in Miamisburg, Ohio.

M. W. Mead, ex-PG '46, is now chief analyst, Research Department, Oldbury Electrochemical Company, Niagara Falls, New York.

H. J. Blumenthal, '47, was awarded an A. E. C. predoctoral fellowship for his final year of study at Purdue University. He married Doris Ceran (an organic chemist), in June of 1950.

Charles H. Stammer, '48, is doing graduate work at the University of Wisconsin. He hopes to get his degree in June 1952 in the field of organic chemistry.

W. O. Foye, '48, reports that after spending a year with DePont Company making dyes, he decided to try teaching. For the past two years he has been setting up a research program in synthetic organic medicinals in the University of Wisconsin School of Pharmacy and teaching undergraduate courses in organic and pharmaceutical chemistry and a graduate course in recent developments in medicinal chemistry. He also says that he is looking for good graduate students who are interested in chemotherapy.

# NEWS OF THE DEPARTMENT OF CHEMISTRY

Dr. Frank T. Gucker, Jr., is now Dean of the College of Arts and Sciences. Announcement was made on May 23. He took office on July 1. Dean Gucker plans to continue directing his various research projects at the Chemistry Building.

Dr. Harry G. Day has been appointed Acting Chairman of the Chemistry Department. Dr. Day served as Interim Chairman during the summer of 1947 before Dr. Gucker took the position of chairman and after Dr. Frank C. Mathers became ineligible to continue as Acting Chairman because of a birthday.

Plans for the Sulfur Conference to be held here at Indiana University August 29-September 1 are being completed by Dr. E. E. Campaigne, director in charge of this event. This conference is being held in connection with the 75th anniversary celebration of the American Chemical Society and the meetings of the International Union of Chemistry and the Congress of Pure and Applied Chemistry, all in New York City. Representatives of foreign universities who will speak at this meeting are H. J. Backer, Groningen, Holland; F. Arendt, Istanbul, Turkey; H. Hauptmann, Sao Paulo, Brazil; F. G. Mann, Cambridge, England; and A. Schonberg, Fouad I University, Egypt. American lecturers are F. Binkley of the University of Utah; F. G. Bordwell, of Northwestern University; Marvin Carmack, of the University of Pennsylvania; C. J. Cavallito, of Irvin, Neisler, and Co.; Hans Heyman of the University of Oregon; Norman Kharasch, of the University of Southern California; and John C. Sheehan, of the Massachusetts Institute of Technology.

Many newspapers over the country have carried accounts of the work which has been done and is being done on the use of tin fluoride as a preventative of tooth decay by Drs. Harry G. Day, Joseph C. Muhler and William H. Nebergall. After having done a great deal of work on many generations of rats, these researchers are using their product on a group of University School children and several other groups in other parts of the country. Tin fluoride is reported to be 50 per cent more effective than sodium fluoride which is in use at present in many parts of the country as a preventative of dental caries in children.

Dean Frank T. Gucker, Jr. has been appointed to the Main Committee of the Committee on Physical Chemistry and Chemical Technology of the National Research Council and to the subcommittee on Fundamental Constants of the same division of the National Research Council.

Among the thirty-three faculty members promoted by the Board of Trustees is Dr. Frederick C. Schmidt who was advanced from associate professor to professor.

Dr. Harry G. Day has been appointed associate editor of the Journal of Nutrition for a period of four years beginning July 1, 1951. This journal is the publication of the American Institute of Nutrition.

A group of at least twenty students accompanied by Drs. R. B. Fischer and John S. Peake attended the fifteenth annual student meeting of the Indiana Section of the American Chemical Society on May 2. The morning and afternoon were spent in trips through various plants in the Indianapolis area. At noon there was a luncheon at the Antlers Hotel with Dr. John C. Bailer, Jr. of the University of Illinois speaking on the all-important topic of "Choosing a Job."

Dr. Harry G. Day is a contributor to Collier's 1951 Yearbook, an encyclopedia-type book in which latest developments and events of the past year are described by authorities asked by the editors to write on the individual subjects. Dr. Day's article is entitled, "Nutrition and Dietetics."

The Radiochemistry Laboratory, which we have described to you in the past two news letters, will be ready for occupancy with the beginning of the fall semester. This all-concrete building (even the roof is made of concrete slabs) was necessary as a safety precaution if the all-important work in radiochemistry was to be done. At present, though very inconspicuously hidden behind the east wing of the Chemistry Building, this new building has not as yet become a part of the campus landscape. With a few shrubs around it, it will soon look like it has always been there.

Dr. R. B. Fischer was elected secretary of the American Chemical Society's Midwestern Cooperating Sections at a meeting held in Cincinnati in late April.

On May 9 upon invitation of the company, Dr. Gucker attended the dedication of new research laboratories at the Experimental Station of E. I. duPont de Nemours and Company, Inc.

Dean Gucker lectured on the subject "The Presentation of the Laws of Thermodynamics to Students of Physical Chemistry" at the 1951 Summer School for Thermodynamics held at Michigan State College, East Lansing, Michigan, June 28 to July 7. He also talked at the Army Chemical Center, Edgewood, Maryland, on "Calorimetry in Aqueous Solutions." Upon invitation also, Dean Gucker attended a special session held by the Harvard School Summer School the first part of the week of July 9, 1951. This session was on "Teaching of Science in General Education Courses."

The Department of Chemistry has had a number of well known speakers who have spoken before the faculty and students. As Colloquium speakers: On April 24 Dr. Donald J. Cram spoke on "Problems in the Molecular Structure in Organic Chemistry; on May 17 Dr. Charles A. Kraus, Professor-Emeritus of Brown University, talked on "Conductance of Dilute Aqueous Solutions According to Some Recent Measurements"; A joint astronomy-chemistry colloquium on May 18 heard Dr. H. G. Van de Hulst of the Leiden Observatory, Leiden, Holland, speak on "Recent Progress in the Theory of Interstellar Particles." Dr. Szent-Gyorgyi, Hungarian biochemist now at the U. S. Marine Biological Station, Woods Hole, Massachusetts, spoke on "Contractile Proteins" on May 7. Dr. Cheves Walling, Director of Organic Research of Lever Brothers, talked on "The Competitive Oxidation of Benzaldehydes" on May 26. On June 7 Dr. Melvin S. Newman, Professor of Chemistry at Ohio State University talked on "Reactions involving 3-Nitroso-2-oxazolidones." On July 27 Dr. W. J. Moore of Catholic University spoke on "The Diffusion in Oxides and the Oxidation of Metals."

There have been several meetings of the Southern Indiana Section of the American Chemical Society since we last reported. On March 20 Dr. Nelson J. Leonard, University of Illinois, spoke on "Clemmenson Reduction-Rearrangements." Dr. W. A. Noyes of the University of Rochester, spoke on "Organic Photochemistry" on May 8. On May 15 Dr. Ralph L. Shriner, former chairman of the Department of Chemistry, spoke at the monthly meeting of the Southern Indiana Section of the American Chemical Society. His subject was that on which he has done recent research, "Chalcones, Flavenones and Lignin." Following the lecture there was a reception at the home of Dr. and Mrs. Harry G. Day. Dr. and Mrs. Shriner were guests of Dr. and Mrs. C. E. Kaslow while in Bloomington.

While it is known that all of the recent graduates and those receiving advanced degrees from the Department of Chemistry have employment or potential employment beginning with the fall semester, it is not known just where all of these people have gone. A few that are reported are: Charles F. Crampton will be post doctoral work at Columbia University. Miss Elma Lanterman will be an

assistant professor in the Physics Department at North Carolina State College, Raleigh, North Carolina. Charles E. Becker has joined the research laboratory of the Upjon Pharmaceutical Co., Kalamazoo, Michigan. Those having recently accepted employment with the Dow Chemical Company are: B. B. Hibbard, Rodney Moss, Norman Sweeny, Robert E. Anderson and Marvin Bothwell. Harold Theiman, Ramon F. Rolf and Albert Hensley have joined the analytical control department of the Mallinckrodt Chemical Works in St. Louis. Axel H. Peterson, former research assistant to Dr. Gucker, was recently appointed head of the new Department of Instrumentation at the Mellon Institute, Pittsburg, Pennsylvania.

Dr. Joseph C. Muhler attended a U. S. Public Health Service conference held in Madison, Wisconsin, on April 25 and 26. The purpose of the conference was to study fluorination procedures in Wisconsin cities.

Dr. R. B. Fischer spoke to a group of faculty members and students at the University of Illinois on May 16. His subject was "Microwave Spectroscopy in Analytical Chemistry." Dr. Fischer also attended the annual summer symposium held by the analytical division of the American Chemical Society at Washington, D. C. June 14-16. The subject of the symposium was "Standards and Standard Methods."

Dr. Harry G. Day and Dr. Felix Haurowitz with Charles Crampton and Charles Becker, graduate students, attended the annual meeting of the Federation of American Societies for Experimental Biology held in Cleveland. Dr. Day and Mr. Becker presented a paper entitled "Comparative Metabolism of D-Glucose-1-C14 and D-Glucosone-1-C14." Dr. Haurowitz and Mr. Crampton's topic was "Intracellular Distribution and Radiolabeled Antigens."

August 15-17 Dr. Haurowitz attended a Conference on Chemistry and Physiology of the Nucleus held at Brookhaven National Laboratories, Long Island, New York. Dr. Haurowitz spoke on the "Functions of the Nucleus in Protein Synthesis."

Drs. Wm. H. Nebergall and Ward B. Schaap attended the Gordon Research Conference on inorganic chemistry held August 20-24 at New Hampton School, New Hampton, New Hampshire. The Gordon Research Conferences are sponsored by the American Association for the Advancement of Science.

A second film on chemical safety produced by the Audio-Visual Center and the Department of Chemistry will be released shortly. Drs. John S. Peake and Charles S. Rohrer are the educational authors. Much of this educational movie was filmed at the Eli Lilly Company.

Since having reported the various grants of which the Department of Chemistry is the recipient for the current year, some news of additional grants has been received. A grant of \$9,600 from the Atomic Energy Commission has been awarded Dean Gucker and Dr. L. L. Merritt for research in the use of radioactive materials in chemical analysis. The Frederic G. Cottrell grant of \$1,500 held by Dr. E. E. Campaigne for research in sulfur chemistry has been extended for one year. Drs. Harry G. Day, William H. Nebergall and Joseph C. Muhler received grants from the Procter and Gamble Company of Cincinnati, Ohio, for the study of the significance of tin fluorides in the prevention of dental caries.

Peter F. King, '52, son of Dr. Cecil V. King, '19, Professor of Chemistry at New York University, was elected president of the Student Affiliates of the American Chemical Society for the coming school year.

The numbers of daughters of the faculty of the Department of Chemistry has recently been increased by two. Linda Sue Merritt was born May 28. Susan Eileen Nebergall was born May 29. These two young ladies bring the total number of daughters of members of the chemistry faculty to twenty-seven as against fifteen sons.