

NEWSLETTER

ASSOCIATION of INDIANA UNIVERSITY CHEMISTS



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SEMI-ANNUAL AIUC DINNER SCHEDULED IN BOSTON

HAUROWITZ NAMED DISTINGUISHED SERVICE PROFESSOR

Dr. Felix Haurowitz of the Chemistry Department has received one of the highest honors the University can bestow upon a faculty member. Along with Dr. Ralph Cleland, Botany, and Dr. W. R. Parker, English, he was elevated to the rank of Distinguished Service Professor last June. He is the first chemist to receive this honor.



Haurowitz

Dr. Haurowitz came to I. U. in 1948 from the University of Istanbul in Turkey where he had already won wide recognition for his research and writing in biochemistry. In research since coming to Indiana, Dr. Haurowitz and his students have pioneered in the use of radioactive isotopes in the study of antigen reactions and in studies of protein formation in living systems. He is author of numerous research papers and has written three books.

As a frequently invited speaker or chairman at meetings and symposia both here and abroad, Dr. Haurowitz travels widely.

HELP! HELP!

It is always a great pleasure to receive notes and visits from alumni for the Department is proud of our rapidly expanding AIUC. Since chemists are a pretty mobile lot, we have trouble keeping up with you, so send us your changes of address. Help keep us out of the red with your \$1.00 dues. Use the enclosed envelope.

ALUMNI WHO WILL BE ATTENDING THE AMERICAN CHEMICAL SOCIETY MEETING ARE INVITED

The Boston Club, 46 Beacon St., will be the site of the semi-annual A. I. U. C. dinner and reunion at 6:00 p. m., Monday, April 6. All I. U. graduates and friends attending the April meeting of the American Chemical Society in Boston or who live in the area are invited to attend. The Club is located across the Common from the Hotel Statler and is said to provide typical New England scenery and fare.

The arrangements for the dinner and reunion were made privately this year and will not be listed on the ACS calendar of events. This was done in order to obtain a better dinner and a better room for a longer time at a lower price than usual. Local arrangements are being handled by Bill Foye (PhD '48) of the Massachusetts College of Pharmacy.

Since this will be the only general announcement of the Boston dinner, all those planning to attend should retain the information on the enclosed sheet. Please return the dinner questionnaire in the enclosed envelope if you plan to attend. (There is also room for your annual dues in the envelope!)

GILBERTSON NEW AIUC PREXY

Dr. G. I. Gilbertson of the Research and Engineering Dept. of Air Reduction Co., Murray Hill, New Jersey, was elected president of the AIUC at the Chicago luncheon in September. Dr. Ward Schaap of the I. U. Chemistry Dept. was elected secretary. About 70 persons attended the Chicago luncheon, making it the best attended ever. Dr. Day, Dean Gucker and Bill Armstrong of the I. U. Foundation spoke to the group and outgoing president Lingle (Eli Lilly Co.) presided.

MEET YOUR FORMER TEACHERS
OUR THREE EMERITUS PROFESSORS



Brown

Mathers

May

Dr. O. W. Brown

The oldest of our three retired professors is 85-year-old Dr. O. W. Brown (next birthday: June 25). He retired from teaching in 1943, before most of the present faculty were even on the scene. He taught at I.U. for a few years beginning in 1899 and then, after a brief period of industrial work, returned to stay in 1917. Working with young men has always been a pleasure for Dr. Brown, especially as he observed them getting interested in their studies or research and developing the ability to think for themselves.

Dr. Brown has maintained a research laboratory in the Chemistry Building since his retirement and has continued research and writing chiefly in the area of gas-phase catalysis. His latest publication appeared in the February 20, 1958 issue of the Journal of the American Chemical Society. During the first eight years of his retirement, the American Cyanamid Co. sponsored his research on the catalytic reduction of nitrobenzene. As recently as last year he did consulting work for a storage battery manufacturer.

Dr. Brown reads avidly books on biography, history and world affairs. Together with his son, he owns a 373 acre farm near Plainfield on which is a herd of 60 to 70 poled shorthorned cattle and a flock of 50 to 60 registered Shropshire sheep. His Bloomington residence is 526 N. Washington Street.

Dr. Frank Mathers

Although he retired in 1950, Professor Frank Mathers can be found almost every day in his laboratory in the Chemistry Building. At 78 (last birthday: Feb. 11) he is hale, hearty and has many inter-

ests. At almost any chemistry colloquium or seminar, Dr. Mathers can be found in the front row, center.

Dr. Mathers still continues an active program of reading, writing and research. At present he writes annual review articles on both tin and lead plating for Metal Finishing and is carrying out research on lead electro-refining in his laboratory.

As to non-scientific activities, Dr. Mathers reads informational books (no novels) and the Wall Street Journal. Also, he owns and watches over considerable real estate in Bloomington and follows closely the progress of all I. U. athletic teams.

Mrs. (Maude) Mathers suffered a broken leg and pneumonia last year, but is now recovered and enjoying her women's bridge groups again. They live at 503 Ballantine.

Former students are amazed at Dr. Mathers' memory of their names, performances and detailed experiences. He reports that what gives him the most pleasure, as he looks back over his teaching career, is what he has been able to do to help get I. U. graduates started in jobs.

Dr. Clarence E. May

Dr. Clarence E. May retired five years ago in 1954 after teaching at Indiana since 1908. As of March 4 he is 76 years old. Until last year, Dr. May conducted research in his laboratory in the Chemistry Building on the preparation of six-carbon tertiary alcohols. He has discontinued this experimental work because of a tendency toward dizziness produced by low blood pressure. He continues reading the journals, however, and frequently attends seminars, colloquia and other events at the University.

He and Mrs. (Bonnie) May live at 1946 East Second St. in Bloomington. Both of them have "green thumbs" and do considerable gardening. Mrs. May is as cheerful and active as ever and is a loyal member of two or three women's bridge groups.

One of Professor May's principal teaching duties over the years, and one which he especially enjoyed, has been teaching organic chemistry to "pre-meds". Now, wherever he goes in the state, he meets his students and notices their shingles. When he was in an Indianapolis hospital for an extended check up recently, he found the staff loaded with M. D.'s who were his former students in organic chemistry.

DEPARTMENT NEWS

The Second Summer Institute for College Teachers of Chemistry will be held at I. U. next summer from June 15 to July 10. It is sponsored by the National Science Foundation and the Division of Chemical Education of the American Chemical Society. A program of co-ordinated lectures on recent developments and trends in analytical, inorganic, organic and physical chemistry is planned for the morning sessions, and special projects and lectures on subjects of special interest to college teachers of chemistry are scheduled for the afternoons. Dr. William H. Nebergall is Director of the Institute, and Keith White (Ph. D. '54) of Hanover College is Associate Director.

Dr. Nebergall has been awarded a Faculty Fellowship by the National Science Foundation for study and research. He plans to go to Germany with his family in August to stay until June, 1960. He will study recent developments in inorganic chemistry, observe German chemical education methods, and carry on research on the chemistry of the germanium-hydrogen bond at the Technische Hochschule, Braunschweig, Germany.

Dr. Rohrer left the Department in August to become Chairman of the Chemistry Department of East Texas State College in Commerce, Texas. Dr. Billman taught a course in organic chemistry this past summer at the Summer Institute for Science Teachers, at the University of Delaware. Dr. Mahler participated in a series of lectures in October, sponsored by the I. U. Extension Division and the I. U. Chapter of Sigma Xi, in various cities in the State. His subject was "The Enzyme Composition of the Developing Chick Embryo".

Dr. Haurowitz was a very busy traveler last summer. He attended the International Microbiology Congress in Stockholm, Sweden, August 4 to 8, presiding over the Immunology Section of the Congress. He also attended a meeting on Proteins in Uppsala, Sweden, August 11-12, and then traveled to Vienna to do research for a book at the University of Vienna and to attend the International Bio-chemistry Congress. He was invited to address the 100th Jubilee meeting of the Gesellschaft Deutscher Naturforscher and Artze, which convened September 29 through October 3 in Wiesbaden; so, after a brief return to Bloomington, he was back in Europe again. He spoke

on "Biosynthesis of Proteins and Their Modification by Antigens". Dr. Haurowitz has been elected a member of the executive committee of the Division of Biological Chemistry of the ACS and also was appointed honorary editor of the journal *Enzymologia*. He is chairman of the Ohio Valley Section of the Society for Experimental Biology and Medicine.

Five postdoctoral research associates have recently joined the Department. Dr. P. Roy Chowdhury, Indian Association for the Cultivation of Science, Calcutta, India, is working with Dr. Gucker. Dr. L. J. Schaad from Columbus, Ohio, has recently returned from Oxford University where he was associated with Dr. Coulson. Dr. Louis Burnelle comes to Indiana from the Institute of Astrophysics, University of Liege, Belgium, as a Fellow of the National Academy of Sciences. He and Dr. Schaad have joined the group directed by Dr. Hagstrom and Dr. Shull. Dr. Antonia Medina, a member of the national research laboratory of Spain, and Dr. Ryoknero Suzue, on the staff of Kyoto University, are working with Dr. Mahler's group. Dr. Phillip Brewster has returned from England to resume work in the program directed by Dr. Schaap and Dr. Schmidt. The most recent arrival is Dr. J. Tsurugi who will spend one year in Dr. Campaigne's group. At present 18 postdoctoral research associates are working in the department.

Dr. Gucker, as chairman of the National Science Foundation Advisory Panel for Chemistry, attended the meeting of the Division Committee for Mathematical, Physical, and Engineering Sciences in Washington, in October, and also the meeting of the Advisory Panel for Chemistry. Dr. Carmack served on a fellowship committee of the National Research Council of the National Academy of Sciences in Washington in January.

Dr. Day was one of the four speakers at the dedication of the new chemical laboratories at his alma mater, Cornell College (Iowa), in October. His subject was "Contributions of Chemistry to Health". He also spoke at a convocation at Milliken University on "Looking Ahead in Chemistry". In February he spent two days each at Upper Iowa University and at Clarke College lecturing and counseling students as a "visiting scientist" under the sponsorship of the Division of Chemical Education of the ACS. In March he will visit Carthage College under the same auspices.

ALUMNI NEWS

Several I. U. Alumni gave papers at the Chicago ACS meeting last September. Here is a partial list: Charles Weber (PhD '53) now at Oak Ridge with the Carbon and Carbide Chemicals Co., spoke on "The Continuous Gas Titration Analyzer for Fluorine" and on "A Fluid Composition Analyzer and Its Application to Continuous Uranium Hexafluoride Analysis"; Dale Fisher (PhD '51) of Oak Ridge collaborated on papers whose subjects were "Electronic Controlled-Potential Coulometric Titrator" and "Controlled-Potential and Derivative Polarograph"; Jack Young (PhD '55), also from Oak Ridge, collaborated on a paper on "The Extraction of Titanium Thiocyanate with Tri-n-octylphosphine Oxide and Its Direct Colorimetric Determination in the Organic Phase"; James Turner (PhD '58) collaborated with Dr. Haurowitz on "Contribution of Cysteine to the Optical Rotation of Proteins"; Sidney Fleischer (PhD '58) now at the University of Wisconsin, and Arthur Lietze (PhD '57), now at Oregon State College, collaborated with Dr. Haurowitz on a paper entitled "Formation of Hair Protein"; James VanVerth (PhD '57) with Dr. Campaigne, gave a paper on "Some Heterocyclic Aldehyde Thioremi-carbazones Possessing Antiviral Activity"; Stanley Goldberg (PhD '58) and Dana Mayo (PhD candidate), now at the Wright Field Air Base collaborated with others on a paper entitled "Heteroannular Disubstitution of Ferrocene"; William Reid (PhD '46), collaborating with Dr. Campaigne, gave a paper on "Reactions of Para-Substituted Acetophenones with Hydrogen Sulfide" Robert F. Conley (PhD '58), with Dr. Schaap, spoke on "Activators, Kinetics, and Mechanisms in the Hydration of Calcium Sulfate".

Bernard Schaafsma (PhD '44), now Product Manager in the Research and Development Department of the Colgate-Palmolive Co., Jersey City, visited the Department in the fall to interview candidates for his company. Frank Cheng (PhD '57), is at the Toledo Hospital Institute for Medical Research as postdoctoral research assistant. He was formerly at the McArdle Memorial Institute at Madison, Wisconsin. Ray Grills (PhD '40) is assistant general manager, Dicilo S. A. I. C., a South American subsidiary of du Pont. He is located in Buenos Aires, Argentina. Bernard Wolnak (PhD '43) is Director of Chemlab, Inc., Franklin Park, Illinois, offer-

ing consulting, contract research, and related services in the chemical field. William J. Sparks (M. S. '29), scientific advisor for Esso Research and Engineering, has been elected by the ACS Council to be director-at-large. He was chairman of the National Research Council's Division of Chemistry and Technology from July 1, 1953 to June 30, 1955. Vern Steckley (A. B. '34) has been elected president of the American Poultry and Hatchery Federation. The Steckley Elevator and Hatchery has branches at Kendallville, Albion, and Orland, Indiana. Howe Abbott (A. B. '01), who has been for the past 10 years in the laboratory of the City Civil Engineer at Indianapolis, retired April 1, 1958.

Bernard Searle (AB '49) has been studying for the PhD degree at New York University. Joseph Davis (AB '39) and Richard Davis, (AB '42) both graduated in medicine at I. U. after completing their work in chemistry and are now surgeons in the Davis Clinic at Marion, Indiana. Richard Cady (PhD '52) is Superintendent of the Cellular Plastics Section of the Sales Development Laboratory of duPont's Explosives Department at Carney's Point, New Jersey. Wendell Mason (AM '40) is with the Huntington Laboratories at Huntington, Indiana, and also teaches chemistry part time at the Indiana University Center in Fort Wayne. Nolan B. Sommer (PhD '44) is now manager of American Cyanamid's Explosives and Mining Chemicals Department John Morris (PhD '37), with the Texas Company, was transferred from the Texaco Research Center in Beacon, New York, to Port Arthur, Texas, in 1957 where he is supervisor of Chemicals Research. He has recently been granted a patent covering improvements in multifunctional lubricating oil additives and already holds eleven other patents in the field of lubricants.

For the past three years John Overman (MA '41) has been Technical Director for the manufacturing operations of the Esbig Corporation, S. A., outside of the United States.

Bernard Buchner (PhD '56), who is with the American Agricultural Company, Cartaret, New Jersey, has recently been named Supervisor of Chemical Research at Cartaret. He is responsible for all the chemical projects except those concerned with soil chemistry and agronomy.

Lee B. Storms (PhD '39) died December 22. He was research and technical director of Red Spot Paint and Varnish Company at Evansville, Indiana.