/newsletter

Indiana University Association of Chemists

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ASSOCIATION OF INDIANA UNIVERSITY CHEMISTS

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ASSOCIATION NEWS

St. Louis meetings. The AIUC will hold two luncheons during the National ACS meetings in St. Louis. The first will be March 23 in the Buffalo Room of the Statler-Hilton Hotel at 12:30 p.m. and the second in the Boston Room of the same hotel March 28 at 12:30 p.m. Wendell Metzner, President of the Association, is in charge of arrangements and will serve as "late ticket" salesman. We hope all I.U. alumni attending the ACS meetings will be able to come to one or both of these social occasions.

New York Social Hour. The AIUC social hour held on September 13 during the New York ACS meetings was attended by approximately 60 alumni, faculty, and wives. An election of officers was held, as a result of which Wendell P. Metzner (AM'33) of Monsanto Chemical Company, St. Louis, was elected president and Professor Robert B. Fischer secretary-treasurer.

Secretary-Treasurer's Report. Balance on hand as of December 31, 1960, was $139.07. No bills were outstanding at that time. The preparation and mailing of the Spring Newsletter will use up a major portion of this balance. The Scholarship Fund is low enough that no aid has been granted during the 1960-61 academic year. "Dues" for 1961 are now receivable, at the customary rate of one dollar (or more, if desired). In addition, contributions to the Scholarship Fund are urgently solicited. Checks may be made out to A.I.U.C. and mailed in the enclosed envelope. Be sure to send in news notes of yourself and your acquaintances with your dues and/or contributions! (R.B.F.)
Campus Reunion and Symposium. About twenty alumni, several faculty members and friends gathered at the Indiana Union October 14 for a symposium on Looking Ahead in Chemistry at I. U. Herschel Grose (PhD'51) opened the meeting and asked Frank Welcher (PhD'32), Professor of Chemistry at the I. U. Medical Center, to introduce the speakers and act as moderator. Dr. Day began the talks with a discussion of the objectives of the Chemistry Department—how it can best attract able students and give them the best possible training in chemistry, and how it can foster attitudes for developing skills and understanding in research. He listed the resources already available and those which may be further developed.

Dean Frank T. Gucker described changes which have resulted from increased enrollment and the shift of emphasis taking place in the academic fields toward a broader foundation of general education. He spoke of some of the new programs, such as that for medical training, which are being developed to give students a wider scientific background. He mentioned the advantages of giving able graduate students opportunities for teaching experience and stressed the importance of encouraging independent thinking.

Professor W. J. Moore reviewed the current thought on the chemistry curriculum, describing the honors program, the special freshman sections, and the program of research problems for seniors. He advocated a strong seminar program at the graduate level to promote enthusiasm and spirit among students.

The role of the alumni in the growth of the Department was discussed by Nolan B. Sommer (PhD'44) of American Cyanamid Company. He pointed out that the alumni can be of great service by keeping the Department in touch with the requirements of the industrial and business world and by expressing interest in and
giving support to alumni associations such as the AIUC.

William J. Sparks (MS'29) of the Esso Research and Engineering Company gave some of his views, as an alumnus, on the important factors in the education of chemists. He suggested that Indiana University is unique in that it offers chemistry students an education of real cultural value by placing the most emphasis on the arts and sciences and little on technology. He felt that the scientist needs a background of knowledge in the humanities to counterbalance a tendency toward narrow specialization.

At the dinner meeting in the Frangipani Room in the evening about 65 members of the Association and friends were present. Herschel Grose presided and installed the new president, Wendell Metzner. Dr. Fischer gave the Secretary-Treasurer's report. Frank C. Mathers (AM'05), Emeritus Professor, paid tribute to the late Dean Herman T. Briscoe and talked of his recollections of Dr. Briscoe as a student, teacher, and administrator at I.U. Dr. Day announced the plan for the establishment of the Herman T. Briscoe Memorial Professorship, an endowed chair in chemistry in his memory.

The guest speaker of the evening was Dr. Michael Kasha, Professor of Chemistry at Florida State University. His subject was "Characteristics of a First-Class Chemistry Department". He spoke of the trend toward overlapping fields in science and the need for teachers of broad vision and knowledge who are aware of developments in fields related to chemistry. He suggested that a good chemistry faculty should have as its members scientists of national reputation.

The program October 15 in the morning included a discussion by Professor Kaslow of the plans for the chemistry building addition and in the afternoon the
football game between I. U. and Marquette. After the game AIUC members and friends gathered for tea and a pleasant social time at the home of Dr. and Mrs. Day.

DEPARTMENTAL NEWS

During the second semester the Department has scheduled two important seminar series. One, on Magnetic Resonance Phenomena in Chemistry, is directed by Professors Riley Schaeffer and Walter Meyer. Eminent authorities in the field who have already addressed the seminar are: Professor Paul R. Shafer, Dartmouth College; Dr. Aksel A. Bothner-By, Mellon Institute; and Professor John Waugh, Massachusetts Institute of Technology. During the remainder of the term the following will contribute to the Program; Professor Richard Sands, Department of Physics, University of Michigan; Dr. William D. Phillips, E. I. DuPont de Nemours and Company; Professor Gideon Fraenkel, Ohio State University; and Professor H. S. Gutowsky, University of Illinois. The seminar on Biophysical Chemistry of the Nucleic Acids, directed by Professor H. R. Mahler, is also very significant and will greatly enrich the biochemical work of the Department. Distinguished lecturers on the program include Professor Alexander Rich, Department of Biology, Massachusetts Institute of Technology; Professor Jacques R. Fresco, Princeton University; Dr. Dan F. Bradley, Section on Physical Chemistry, National Institute of Mental Health; Professor Frederick T. Wall, University of Illinois; Professor Matthew Meselson, Biological Laboratories, Harvard University; Professor John Josse, Stanford University; Professor Julius Marmur, Brandeis University; Professor George Gamow, Department of Physics, University of Colorado; Professor Howard Dintzis, Department of Biology, Massachusetts Institute of Technology; and Professor Seymour Benzer, Division of Biophysics, Purdue University.
Early in January a special program of lectures and seminars on Radiation Chemistry was held. The lectures were delivered by two experts in the field from the Laboratory of Radiation Chemistry at the University of Notre Dame—Professor Milton Burton, Director, and Professor John Magee. Dr. Burton spoke on "An Introduction to the Principles of Radiation Chemistry" and on "Recent Advances". Dr. Magee's subjects were "Theory of Elementary Process in Radiation Chemistry" and "General Open Discussion of Problems in Radiation Chemistry". Dr. J. C. Poirier, guest lecturer in the Department on leave from Duke University, is giving a course on "Statistical Mechanics and Theory of Solutions".

Professor Sadhan Basu from the University of Calcutta has joined the Department as Visiting Associate Professor and is carrying on research concerning the nucleic acids. Mrs. Basu is working with Professor Shull in quantum mechanics. Dr. Gunter Heineman from the Technische Hochschule, Braunschweig, Germany, has come to conduct research with Professor Shiner. Dr. Bonham has lately returned to the Department after a leave of absence during which he carried on research at the Naval Research Laboratories in Washington, D.C.

The Herman T. Briscoe Memorial Fund. The response to the plan to establish a memorial to Dr. Briscoe in the form of a chemistry professorship has been most gratifying. The University Foundation reports that his hosts of friends among the alumni and the faculty have been most generous in their eagerness to express their appreciation of Dr. Briscoe's great contributions to the University and their personal esteem for him. The Foundation has made it possible for the members of the Faculty to use a payroll deduction plan so that contributions may be made over a period of time. The
amounts already pledged or contributed by Faculty members range from a few dollars to as much as $5000, and the alumni, too have made substantial donations. Many have expressed the opinion that an endowed chair in chemistry would be a fitting memorial to one who made such important contributions to the education of chemists.

CHEMISTRY ADDITION PROGRESS
(by C. E. Kaslow)

The general plans have been completed and all that remains is to work out details involved in some of the services and laboratory furniture. It is expected to be ready for bids around the middle of April. The time-table calls for construction to begin about July 1. It is anticipated that the Addition will be ready for occupancy by September, 1963.

As many of you know, it is an eight story addition filling in the area between a mid-point on the south extension of the west side of the present building and extending east almost to the south entrance to the Chemistry Auditorium. The Addition will extend south about 140 feet from the inset portion of the present building.

The present storeroom area will be renovated to coordinate with that portion of the storeroom in the Addition. The main Chemistry Offices are to be moved to the area occupied by Rooms 200, 205, and 206 and an adjacent small area in the Addition.

The center of the Addition consists of research laboratories on an 11x24 ft. module basis along both sides of a central utility core. The faculty offices and some special-purpose laboratories are along the two corridors bounding the central section of research
laboratories. It is accessible to the present Chemistry Building from the ground through the third floors.

Except for the offices and a few seminar rooms, the Addition is devoted to research. After completion of the Addition, it is planned to renovate many of the laboratories in the present Chemistry Building so as to increase the efficiency in usage of the undergraduate laboratories.

REPORT OF THE CHAIRMAN

The Department is increasing the effort to attract students with excellent promise. One development of special value is the new Dow Chemical Company $2000 Scholarship plan which is going into effect this year. Recipients will receive $500 per year for four years. We will give the runner-up $350 for the first year and try to provide a comparable award each year if he maintains an excellent record. This will be the AIUC Award. The program to encourage high undergraduate scholarship is indeed the kind that Dr. Briscoe liked.

I hope all the members of the AIUC will do their best in the establishment of the Herman T. Briscoe Memorial Professorship in Chemistry.

The general growth of the Department and the emphasis on excellence in undergraduate work as in graduate studies has led to some reorganization. Robert B. Fischer has generously accepted the position Director of the Chemical Laboratories. V. J. Shiner has become the Undergraduate Adviser and E. Campagne has assumed comparable responsibilities as the Graduate Adviser. W. J. Moore is in charge of our Honors program in chemistry. In addition, we now have a
Chemistry Policy Committee to advise the Chairman on many important matters. The members are E. Campagne, V. J. Shiner, and H. Shull. C. E. Kaslow is devoting nearly all his time this semester to the planning work and liaison between the Department and others in the development of the new Chemistry Addition.

The processes of reorganization are gradually taking effect. Even so, much of my time is still devoted to departmental administration. We will not be inclined to slow down before we can be assured that the Department is indeed the best that is possible. The alumni, as well as the faculty and administration, can do much to achieve this goal.

Sincerely yours,

Harry G. Day

ALUMNI NEWS

William Bromer (PhD'54) has been promoted to research associate of the biochemical research division of Eli Lilly and Company, Indiana. Robert Duff, who is in the National Bureau of Standards, has contributed to the development of a small vacuum chamber in which a series of vacuum evaporation may be accomplished in rapid succession. The device provides a simple, accurate means of producing the replicate specimens used in an electron microscope. Clarence J. Shoemaker (PhD'42) has been appointed manager of the Chemical Research and Engineering Department of the A. B. Dick Company in Chicago. He has been a member of the research staff since 1942. Max Marsh (BS'47), head of Eli Lilly and Company's
analytical research department since 1956, has been named a control associate. Max has established several methods for automatic analysis of amino acids, cholesterol, and other materials and was instrumental in developing a method for determining diethylstilbestrol in pharmaceuticals. An article in the Sunday Roto Section of the Pittsburgh Press, January 29, gave a fine picture and account of John C. Warner (PhD'23), President of Carnegie Institute of Technology, in appreciation of his contributions to the fields of science and education and to civic affairs. Our best wishes to him for success in carrying out his development program for the Institute.

Kenneth Reisman (MA'58), who has a new position, is now with the Continental Can Company, 4606 W. Grand Avenue, Chicago 39, Illinois. Bernard Buchner (PhD'56) is Supervisor of Chemical Research at the American Agricultural Company, Cartaret, New Jersey. Phyllis and Raymond Boucher (PhD'50) have a new address--610 Sixth Street, Hackensack, New Jersey. Also new addresses for: Robert Summers (PhD'55), 46 Deborah Avenue, Pittsfield, Massachusetts; Elmer L. Williams (PhD'59) 1557 Amesbury, Toledo 12, Ohio; Ram Bedi (PhD'60) 21900 Blackstone, Oak Park 27, Michigan; and Marcel Granier, 39 Route de Palavas, Montpellier, France.

These alumni have visited the Department this winter: Edward E. Kennedy (MS'48), Eli Lilly and Company; Charles Griffith (MA'54), Miami University, Oxford, Ohio; Philip H. Ravenscroft (MS'42) Standard Oil of Indiana; Parmula K. Weedman (AB '60), 1203 Roosevelt Drive, Noblesville, Indiana; Hiram Spannuth (MA'35), Wilson and Company, Chicago; and William LeSuer (PhD'48), Assistant Director of Chemical Laboratories, Lubrizol Corporation.
Here are some notes on recent graduates and other students who have been working toward degrees. Robert Ake (A.B. '60), is studying at Harvard University. His address is 506 Beacon Street, Boston 15, Massachusetts. Donald Carlos (B.S. '60) is studying chemistry in the Notre Dame University Graduate School. Miu Yung Chan (B.S. '60) is in the Graduate School at I. U. Richard Clevenger (B.S. '60) is in the University of Kentucky Graduate School.

Charles Davis (B.S. '60) has a fellowship and is studying in Munich, Germany. Wilson DeCamp (B.S. '60) is teaching chemistry in a private school. His address is Thompson Road, Webster, Massachusetts. Gary Kozak (B.S. '60) is at the University of Pittsburgh Graduate School.

John McDowell (PhD '60) is with the National Aniline Division, Allied Chemical Company. His address is 592 B Allenhurst Road, Buffalo 26, New York. Brown Murr (PhD '60) has gone to M.I.T. to carry on postdoctoral research. Bob Collins (PhD '61) has joined the Dow Chemical Company. His address is 706 E. Haley, Midland, Michigan. Donald Montgomery is with Union Carbide Chemicals Company. His address is 2129 Zabel Drive, Charleston 2, West Virginia. Madan Bhasin is at the University of Notre Dame in the Radiation Laboratory.

Louis M. Arin will study at the University of Southern California. His address is 1630 Arapahoe St., Los Angeles 6, California.

James Sluss's new address is 300 Erie Drive, Lansdale, Pennsylvania.
NEWS OF THE STAFF

Many of the non-academic staff members have been here long enough to be known and appreciated by large numbers of alumni and others who have worked in the Department. Therefore, you will be interested to learn something about these very important persons. In the stockrooms you will find G. Hepley (here since 1940), H. Beck, Mrs. M. McCoy, Robert Kirk and Robert Stuart. Glassblowing is still done by E. Sexton (he is beginning to wear bifocals) and his younger assistant, Donald Fowler. We are very proud of our glass blowers. Mrs. Hiestand still graciously helps the librarian, C. C. Waddington, in the process of keeping the library at the top. In the machine shop J. Baird, Bill Caldwell, and M. Williams preside over some excellent equipment, and they are appreciated for being important cogs in many research programs. Miss Dickey, our editor, spends most of her time doing I.R. and other instrumental work for various students and faculty. F. Hardy (with us since 1945) still handles the lecture demonstrations and ably assists R. B. Fischer in many ways concerning equipment, building maintenance, etc. Mrs. Sibyl Carter, a newcomer in a new job, handles our new Office for General Chemistry. The Business Office keeps Mrs. Shirley Arnold on the move all the time. We are indeed in good hands because her husband is a member of the Bloomington Police Force. She has a part time assistant. In the Main Office Miss Greene keeps things moving, and she does it with great devotion to the Department. Others in the Office are Mrs. Millie Woodward and Mrs. Norine Chapman. Norine will leave us soon because her husband has graduated from the School of Law. Fred Henry who has taken care of the animals since 1955 still continues to be their faithful friend. We do appreciate our staff.