NEWSLETTER

Indiana University
Association of Chemists

Aug 1962

Architects' drawing of future Chemistry Building Addition
Meetings

The Association held two luncheon meetings during the National ACS meetings in Washington, D.C., in March of this year. Eighteen alumni and faculty members attended the luncheon March 22 at the Mayflower Hotel, and twenty eight were present at the luncheon March 27 at the Sheraton Park Hotel. Professor R. B. Fischer presided at the first and Bernard Wolnak, President of the Association, presided at the second. At the latter, Professor E. Campagne gave an account of the graduate program and Professor H. G. Day spoke about the state of the University and the Department.

The next meeting of the Association will be on September 10 at the Ambassador Hotel during the 142nd National ACS meeting in Atlantic City. The occasion will be a social hour and it will be a good opportunity for you to meet old friends and learn the latest news of the I.U. Chemistry Department. Election of officers for 1962-63 will be held.


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Transferred to Chemistry Scholarship

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Note: The entire Chemistry Scholarship held by the I. U. Foundation, including the item transferred above, is now $867.09.

Robert B. Fischer, Treasurer

Message from the Departmental Chairman

Since September 1962 one of the most industrious and able faculty members has been V. J. Shiner, Jr. He came to the Department as instructor and in 1960 he became professor. During the decade he has displayed increasing capability in departmental administration as well as in scientific growth. Therefore, upon the expiration of my term as Chairman of the Department on 1 September he will become the new Chairman. I am confident that Jack will devote himself fully to the responsibilities of the position and that under his leadership bright days are ahead for the Department.

I hope to devote a large proportion of the next ten years in renewed and expanded research on the biochemical significance of trace inorganic elements. Also, I hope to the help the Department develop an unexcelled program for chemistry majors and a general strengthening of the work for non-chemistry majors. This will include the development of a strong scholarship and useful work program for very good students who need financial help. In addition, I will find a few other jobs to keep me busy.
During the past decade I have greatly appreciated the thoughtfulness of many alumni in making constructive suggestions and in supporting the Department in various ways. I am sure the new Chairman will be glad to have similar support. Please give it to him unstintingly.

Harry G. Day

News of the Department

The Graduate Committee has recently compiled an interesting report on the present status of the graduate students in the Department, their numbers, how well they have progressed toward meeting degree requirements, and a comparison of the data for the current year with those of the two preceding years. During this past year there have been 129 students doing graduate work in chemistry. Twenty of these finished their work and received degrees. There were 65 who started graduate work prior to June 1961, of whom 61 are now advanced students doing research. The representation in each research division is as follows: Analytical--4; Biological Chemistry--8; Inorganic--9; Organic--30; and Physical--13. Thirty-five have completed the basic requirements and have been admitted to candidacy for the Ph.D. degree.

There are 44 first-year graduate students -- those who have entered since June, 1961. In 1959-60 there were 28 and in 1960-61 there were 35 new students, so there has been a steady increase in the number of chemists entering Graduate School. Forty percent of the new students passed one or more cumulative examinations and 25 percent fulfilled one or more language requirements. One new student was able to pass 7 cumulative examinations and two passed 6. Each of these three students also completed one of the language requirements and is therefore close to satisfying the requirements for admission to candidacy for the Ph.D. degree.

The graduate degrees awarded during the current year were: Master of Arts--1; Master of Science--1; Master of Arts in Teaching--4; Doctor of Philosophy--20. During the previous year 3 Master's degrees, 3 Master's of Arts for Teachers, and 16 Doctor's degrees were granted. Fifteen graduate students held competitive fellowships in 1961-62. Ten National Science Foundation and Public Health Service
Fellowships were awarded this year as compared with six the year before.

Professor E. Campagne is Chairman of the Graduate Committee. Professor Ward Schaap was responsible for teaching assistants, Professor William Nebergall for M.A.T. students, and Professor Henry Mahler for special fellowship applications. Professor Harrison Shull conducted a mail campaign to improve the number and quality of the applicants for admission to Graduate School.

Newcomers to the Department this fall are Drs. Eugene H. Cordes, Lawrence K. Montgomery, and Dennis G. Peters. Dr. Cordes, who will be an instructor in biological chemistry, received the doctor's degree from Brandeis University and completed his undergraduate work at California Institute of Technology; he is originally from Grand Island, Nebraska. Dr. Montgomery comes from Longmont, Colorado, and received the Ph.D. from California Institute of Technology. During the past two years he has held a postdoctoral fellowship at Harvard. He will teach organic chemistry. Dr. Peters has been appointed instructor in analytical chemistry; he received the Ph.D. degree from Harvard University and is a native of Los Angeles, California. His undergraduate work was done at Caltech.

Miss Frances Zammik, whose home is in Worthington, Ohio, has recently been appointed Librarian of the Chemistry Library to succeed Mr. Charles C. Waddington. Miss Zammik received her degree in chemistry minoring in mathematics, at Ohio State University and has had extensive experience in the field. She recently completed the Master's degree in Library Science at the University of Michigan. Mr. Waddington resigned to accept an appointment as Science Coordinator of the Dartmouth University Library.

Dr. W. Brian Hill has been promoted to Assistant Professor of Chemistry at the Indiana University Southeastern Center, Jeffersonville. Dr. Hill is a graduate of DePauw University and the University of Illinois. Joseph Davis (Ph.D. '56) from Radio Corporation of America, Marion, Indiana, has been named Assistant Professor of Chemistry at the Extension Center in South Bend.

Two of the members of the Chemistry Department have recently received promotions. Professor L. L. Merritt, Jr., has been appointed
Associate Dean of Faculties, and Professor Riley Schaeffer has been appointed Professor of Chemistry. Dr. Schaeffer holds an NSF senior postdoctoral fellowship. During 1961-62 he has been carrying on research at the University College (London) and at the Weissmann Institute of Rehovath, Israel. He will return to the Department in September.

Professor Henry Mahler has gone to France where he will carry on research during the next fifteen months while on sabbatical leave. On the basis of his outstanding achievements and continuing promise in biochemistry the National Institutes of Health gave him a Research Career Award effective this year. The Award provides his entire salary for 5 years and it is renewable for the remainder of his scientific life.

Professor E. Campagne, as Guest Lecturer, delivered five lectures concerning his research interests at the University of California School of Pharmacy, San Francisco, in April. He also spoke at the Aeroplane General Corporation in Sacramento on "Radiation Protection Agents" and visited Pomona College and the University of California, Riverside. Also he was Visiting Scientist at Texas State College for Women, Denton, Texas, where he gave a series of seven lectures April 23-26.

Similarly, Professor Harry G. Day was Visiting Scientist at Wayland Baptist College, Plainview, Texas, April 24 and 25, where he consulted with the administrative council and faculty members concerning the importance of chemistry and other fields of science in liberal arts colleges. Also, he gave lectures on the "Biochemical Significance of Trace Inorganic Elements" and "Science in a Liberal Education."

Professor Ernest Wenkert attended the Third Annual Symposium on Current Research in Medicinal Chemistry held at the University of Buffalo May 11, 12. He gave a paper on "Current Chemical Studies on Indole Alkaloids." Distinguished Service Professor Felix Haurowitz, as usual, has given several special lectures during the past few months. Other professors who have given special lectures since February include H. Shull, V. J. Shiner, Jr., M. Carmack, and W. B. Schaap.

Effective January 1, 1963, Professor W. J. Moore will become Assistant Editor of the Journal of Physical Chemistry.
Professor F. C. Schmidt was director of the summer institute for teachers of high school chemistry which was held in the Department June 13 through August 10. Approximately forty teachers participated in the program. Professor V. J. Shiner directed the Undergraduate Research Participation Program of which there were 13 student participants from different colleges. Professor Day directed the comparable program for college teachers. Six teachers from as many colleges and universities were in this program. All three programs were sponsored by the National Science Foundation.

At this writing (30 July) the seventh floor of the Chemistry Addition is being poured (concrete). One more floor and the roof remain to be poured. Thus the Addition towers above everything in this area of the campus except Ballantine Hall which is slightly taller. It is expected that we will be able to move into the new quarters by September 1963. Professor C. E. Kaslow his Committee, and the architects are planning the remodeling of the present building which is to be started, if sufficient funds are appropriated, during 1963-64.

Alumni Notes

Some of the alumni who have visited the Department recently are: Ralph Broyles (Ph. D. '42), L. U. Extension Center, Fort Wayne; Standiford H. Cox (AB '57), Eli Lilly and Company, Indianapolis; Walter M. Budde (MS '47), Archer-Daniels-Midland Company; RusseL L. Hardy (AM '23), 4 Tanglewood Lane, Newark, Delaware; Henry P. House (AM '24), 117 Everest Circle, Oak Ridge, Tennessee; John T. Brundage (Ph. D. '28), Box 198, Moscow, Pennsylvania; V. L. Miller (MA '38), (Pittsburgh Corning Corporation), 1196 Colgate Dr., Monroeville, Pennsylvania; G. P. Gregory (AB '42), Hercules Powder Company, Wilmington, Delaware; Julie C. Yang (MS '52), Johns-Manville Research Center, Manville, New Jersey; John S. Peake (Ph. D. '35), Minnesota Mining and Manufacturing Company, St. Paul; Joseph V. Hartman (BS '38), Diamond Alkali Company, Painesville, Ohio; Bernard W. Nauk (Ph. D. '43) (Chemlab, Inc.) 1211 Sumac Road, Highland Park, Illinois; Alan Fish (BS '57), Eli Lilly and Company, Indianapolis; John Efimenko (Ph. D. '62), National Bureau of Standards; and James A. Sluss, Jr. (Ph. D. '62), Philco Corporation. John A. Bornman (Ph. D. '58), Northern Illinois University, DeKalb, has been
in the Department during the summer carrying on research.

We were very much pleased to have letters and notes from several alumni in the past few months with news of their activities. M. W. Norton (AB '50), who has been with E. R. Squibb and Sons since 1951, was appointed Cleveland Division Sales Manager of that company last November. The Nortons (Mrs. Norton is the former Marian Vogel, and their daughters are Laura and Jane) have a new home at 4856 N. Sedgewick Road, Lyndhurst 24, Ohio. James H. McMahan (AB '60) wrote that he is at Pitman-Moore Company, Indianapolis, where he is an analytical chemist in the pharmaceutical quality control department. His work involves vitamin assays, chromatographic analyses, and assay development. In addition, he is official host of the Control Department for visiting groups. Also, in his spare ( ?) time he is working toward a Master's degree through the Evening Division of Butler University. Richard Riffer (BS '61) is a graduate student at the College of Chemistry, University of California at Berkeley. His address is 1431 Jackson Street, Oakland, California. Luke Roehm (AM '34), who was formerly in Decatur, Illinois, has joined Merck and Company, Rahway, New Jersey, and likes the new location very well. Both of his daughters were in Bloomington this year -- Carol a junior at I. U. and Marilyn the wife of an I. U. law student. Robert Rowell (Ph. D. '60) is Director of the Research Computing Center of the University of Massachusetts, Amherst, and has recently been appointed Assistant Professor of Chemistry. The Rowells have a new member in their family, Lori Ann, who is a fine playmate for their son, Rusty. John R. Neeley (BS '60) is employed in the manufacturing division of Sohio Chemical Company, the chemical department of the Standard Oil Company (Ohio), where the principal products are acrylonitrile and acetonitrile.

Dr. Day received a letter from John Christens (Ph. D. '56), who is Senior Supervisor of the Process Section of DuPont and Company in Martinsville, West Virginia, giving news of other alumni who are associated with him. James Rooley (Ph. D. '51) is Process Superintendent at Old Hickory; Dave Barnes (Ph. D. '48) is Assistant Plant Manager at Seafood; and Frank Kitchell (MS '41) is Control Laboratory Supervisor at the Martinsville Plant. Professor Fischer received an interesting letter from Samak Kosolsombat (MS '56) who, after a serious illness which necessitated his resignation from the Navy of
Thailand as Commander, is an instructor in chemistry at Chulalongkorn University. He commented with enthusiastic admiration on the work of the Peace Corps in his country.

We have also heard from the following: W. R. Teeters (AB '10), 1016 Mackinac Drive, St. Louis 41, Missouri; Julia F. Hulme (AB '21), Box 1120, Naples, Florida; Fred A. Griffits (Ph.D. '36), Maryville College, Maryville, Tennessee, who is chairman of the Southeastern Regional meeting of the ACS to be held November 1-3, 1962, at Gatlinburg, Tennessee; Richard E. Cline (Ph.D. '51), whose new address is 1111 Maribob Circle, Savannah, Georgia; Lloyd G. Miller (BS '47), 1615 Cherry Way, Louisville, Kentucky; Jerry L. Compton (AB '58), whose new address is 6101 Kasson Drive, Evansville 12, Indiana; Oscar L. Ballenger (AB '54), who is manager of the Illinois State Employment Service and whose address is 1531 Lowe Ave., Chicago Heights, Illinois; Chester Davis (BS '44), 415 E. Fifth St., Newport, Kentucky. We have enjoyed hearing from you and hope all the alumni will keep us informed of their activities and whereabouts.

It has been possible to glean these further items of news about our alumni. Troy C. Daniels (Ph.D. '29), Dean of the School of Pharmacy, University of California, San Francisco, was honored in March by the American Society of Pharmaceutical Manufacturers for outstanding contributions to pharmaceutical education. He was given a plaque and a prize of $1000. Vincent E. Parker (Ph.D. '40) on a year's leave of absence from his post as Head of the Department of Physics and Astronomy at Louisiana State University, is serving as deputy director of the Oak Ridge Institute of Nuclear Studies. Robert M. Lingle (AB '19), who has been head of antibiotics control at Eli Lilly and Company, Indianapolis, has recently retired. He had been with the company forty years. Marie Van Horn (MAT '59), chemistry teacher at Shortridge High School, Indianapolis, received a Shell Merit Fellowship for advanced study this summer at Cornell University. She is one of 100 high school science and mathematics teachers chosen from the United States and Canada to attend the 1962 graduate seminars held at Cornell and Stanford Universities. T. Ben Rhinehammer (Ph.D. '53) has been promoted to research section leader at the Mound Laboratory of Monsanto Chemical Company, Miamisburg, Ohio. Elma Lanterman (Ph.D. '51), Borg-Warner Corporation, was program chairman for the April meeting of the Chicago Section of the Society for Applied
Spectroscopy, Glen Berchtold (Ph.D '59), Massachusetts Institute of Technology, participated in a lecture series on special topics in chemistry presented at the University of New Hampshire this summer.

Some of the students who have recently completed their work and have gone elsewhere to carry on their careers in industry or in universities are as follows: Ben Edwards (Ph.D '62) is at Columbia University; Fred Metz (Ph.D '62) has joined Diamond Alkali Research Center, Painesville, Ohio, as senior research chemist; Jimmy W. Hinkson (Ph.D '62) is in the Department of Physiological Chemistry of the University of Minnesota Medical School; Louis Ross (Ph.D '62) is with Olin Mathieson Chemical Corporation, New Haven, Connecticut; Yukiko Ebisuaki (Ph.D '62) is at the University of Pennsylvania; Maurice H. Hanes (Ph.D '62) has joined the Bell Telephone Laboratories, Murray Hill, New Jersey.

Recent graduates who will begin faculty appointments this fall are: Rudolph Buttler, at Kent State University; James Copeland, at Kansas State University; Ernest Davidson, at University of Washington; Darrell Ebbing, at Wayne State University; Brown Murray, at Johns Hopkins University; Martin Thompson, Lake Forest College, and Richard Wells, Duke University. Postdoctorals who have accepted faculty appointments elsewhere include David Johnson, at University of California (Davis) and Alan Walton, Case Institute of Technology.

Our New Alumni

The following were awarded the A.B. degree in June:
Beverly L. Allison, 709 N. Cherry, Martinsville, Indiana; William N. Batchelder, 1213 Pickwick Pl., Bloomington; Judith Buddenbaum, 801 S. Walnut, Bloomington; Glen A. Chambers, Bruceville, Indiana; Stuart M. Cohen, 2140 Sonncastle, Louisville, Kentucky; George C. Cokinos, 218 E. Altgeld, South Bend, Indiana; James S. Cornell, 1803 N. Quarry Rd., Marion, Indiana; Michael L. Dunn, 2319 Erskine, South Bend, Indiana; Willard O. Elyea, 1300 Oneida, Joliet, Illinois; Edward O. Gergish; Michael L. Gordon, 6652 N. Richmond, Chicago, Illinois; Samuel Greenstein, P.O. Box 254, Flushing 52, New York; Peter F. Groth, 765 E. 73rd, Indianapolis; William B. Hendry, 611 Eighth St., Wilmeth, Illinois; David C. Highshue, Box 467, R.R. #1, New Jersey.
New Augusta, Indiana; William W. Hurst; Roy W. Inlow, 189 Walnut
Grove Trailer Cts., Bloomington; Kai Ip, 327 S. Henderson, Bloomington;
Hans P. Knoss, 3588 Delaware, Gary, Indiana; Malcolm A. Kochert,
621 N. McKinley, Clarksville, Indiana; Thomas P. Koniecz, 4224
Carolina, Gary, Indiana; James W. LaFollette, 5853 Central Ave.,
Indianapolis; John D. Lind, 1037 Central Ave., Indianapolis; Richard H.
McIlroy, Jr., 1915 Greenwood, Pueblo, Colorado; William C. Paul,
1127 Nottingham Way, Trenton, New Jersey; Richard M. Rau, 206 W.
Walnut, Centerville, Indiana; Rodolphe Rouhana, 2428 N. New Jersey,
Indianapolis; John S. Sazawa, 4919 Olcott Ave., East Chicago, Indiana;
Homer L. Shrader, R.R. #1, Greentown, Indiana; Carolyn A. Soden;
Mary A. Tolson, 818 Barnett, Vincennes, Indiana; Verne L. Trinoskey,
3615 Carolina, Gary, Indiana; Wendell R. Tucker, 1913 N. Leland,
Indianapolis; Robert L. Waters, 909 Highland, Bloomington; John A.
Ferguson, R.R. #3, Fowler, Indiana; Portia L. Hancock, 2226 W.
Michigan, Indianapolis.

The B. S. degree was awarded to: James H. Beeson, 31 N.
Gladstone Ave., Indianapolis; Keith A. Edmonson, 19 Rebecca Dr.,
Indianapolis; Dennis Hearns, R.R. #1, Bedford, Indiana; George W.
Huffman, 2315 S. Courtland, Kokomo, Indiana; John H. Kneipp,
R.R. #6, Shelbyville, Indiana; Larry D. Lamerson, 611 E. Tate,
Kokomo, Indiana; Gary D. Maddox, 211 E. Tenth, Bloomington;
James L. Marshall, 819 Eighth Ave., S.E., Decatur, Alabama;
David F. Ringer, R.R. #6, Monticello, Indiana; Richard M. Smith, 1648
Terry Lane, New Albany, Indiana; Melvin Druegner, 807 N. Main,
Mishawaka, Indiana; Ronald E. Hackler, 2320 Benham Lane, Bloomington;
Yiu-Cheong Poon, 343 Tai Hang Rd., Hongkong.

Those who were awarded the Ph. D. degree in June are:
Ronald W. Collins; James L. Copeland; Yukiko Ebisuaki; Ben E.
Edwards; John Efimenko; Richard E. Enrione; Maurice H. Hanes;
Jimmy W. Hinkson; Kenneth W. Kramer; Robert R. McDonald;
Donald Maulding; Wendell W. Meyer; Stephen W. Osborn; Louis A.
Ross; Alfred W. Seiling, Jr.; James A. Sluss, Jr.; Mansukhat C. Wani;
Richard L. Wells; Joseph W. Wilson.

The Department held its annual Honors Banquet in the
Frangipani Room of the Indiana Union May 1st at which time under-
graduate and graduate students who had made records of high achieve-

ment during the year were recognized. The outstanding freshman student was John G. Stevens of Evansville, James K. Rice of Harvey, Illinois, received the AIUC Award as outstanding junior. Outstanding students in the senior class were Melvin Druelinger of Mishawaka, who held the Texaco Foundation Scholarship, and Portia Hancock of Indianapolis, who held the Ford Foundation Scholarship. Miss Hancock was signaly honored by receiving one of the twelve awards of Chemical and Engineering News which are given to students selected from the entire country who have shown unusual ability in chemistry or chemical engineering and who have distinguished themselves in other activities as well. Miss Hancock has had nation-wide recognition as a champion swimmer. Graduate students who were recognized for receiving competitive fellowships for 1962-63 were: Mary K. Campbell of Rosemont, Pennsylvania; Stephen Dygert of Fort Wayne; James McChesney of Hatfield, Missouri; and Theodore B. Warner of Dallas, Texas, each receiving a National Science Foundation Fellowship; and Lee J. Todd of Denver, Colorado, receiving a University Fellowship. There will be at least eight to fifteen other recipients of fellowships in the Department during 1962-63.