

NEWS LETTER

Association of Indiana University Chemists

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Christmas Messages

It is my privilege on behalf of my fellow officers in the Association of Indiana University Chemists and the faculty of the Department of Chemistry to extend to each of you our best wishes for this Holiday Season. As each year draws to a close, most of us alumni find ourselves one step further from our days at Bloomington and our many pleasant associations there. The opportunities to get back to the campus seem to become less frequent and fewer familiar faces are seen when such visits are possible. True, American Chemical Society meetings and other professional gatherings bring some of us together—as does the occasional football or basketball game. However, we need more than all this—we need some continuing, well-organized method of maintaining our personal and professional friendships of school days. We have that in AIUC!

Plans for the coming Association year have just gotten underway, but already we can talk of two projects which will interest you. An Association Directory which will give you a record of the whereabouts of your contemporaries is the first—we hope this will be ready for you in the near future. The second—and we trust more exciting—is an AIUC Homecoming Day at Bloomington in the fall of 1954. Keep this in mind—you'll hear more about it soon.

To all of you—a joyful Christmas Season and a prosperous 1954.

Nolan B. Sommer
President, Association of
Indiana University Chemists

On behalf of the chemistry faculty and staff I wish to extend our sincere greetings and our hope that the Christmas Season will bring an added measure of Peace and Goodwill to you and yours.

One of my fondest privileges is that of being an instrument to help all the alumni keep in friendly touch with each other and with all of us who are at present on campus. To many of the alumni such contacts are a source of great satisfaction. We urge the more active graduates to extend their range of interests to the less activated alumni and acquaint them with the work and objectives of the department. Through such knowledge and the effect of our expressions of friendly interest the bonds of attachment will grow, and all of us will be the better for it.

I am convinced that the general quality of our teaching and research continues to improve. The graduate assistants have been unusually conscientious and competent this year. Also, our new teaching associates have contributed to the good quality of the teaching. The number of publications, and I believe

even the quality, is increasing. A copy of the most recent bibliography is enclosed. Any comments or suggestions you may have will be appreciated.

One of our major current activities is the development of plans and wherewithal for a new wing to the chemistry building. Substantial improvement in teaching and research requires such space and continuing remodelling of the present space, if we are to keep abreast of increasing enrollment and changing needs. Also, special effort is being made to attract more promising students into chemistry. We hope to obtain a number of scholarships to aid promising high school teachers gain further training in subject matter through summer session courses. In addition, we desire to secure more scholarships for promising undergraduates and fellowships for graduate students. The loyal and effective support of the alumni in these undertakings will be of great value in assuring success.

May your Christmas be happy and your New Year prosperous.

Harry G. Day, Chairman
Department of Chemistry

Dear I. U. Chemists:

The Association met, 76 strong, for luncheon in the Washington Room of the Congress Hotel in Chicago on September 8. A list of those attending is given in the News Column. After an excellent lunch, Dr. Day described events on the campus during the past half-year, and announced the results of the recent election, in which Nolan B. Sommer, Ph.D., 1947, and yours truly were unanimously swept into the offices of President for 1953-54 and Secretary-Treasurer, respectively. I might add that these candidates were unopposed.

The new Executive Committee began plans for two projects during the current year, referred to in your President's Christmas Message. The first, an Association Directory, is already taking form, and a first draft accompanies this News Letter. We hope you will go over this, check your own entry for errors, and then let us know changes which should be made before it is printed in final form. The format will include a geographic listing of all alumni for whom we have verified addresses.

The second project is a get-together here on the I.U. campus next Fall, for a Friday night social session, Saturday morning program, and football game. We would like to know how many could come back for such an affair. This will naturally affect our plans for this project. Use the enclosed card for your reply.

Dr. Day and a few others have suggested some modification of the method of nominating officers. Please vote on the proposed amendment to the Constitution, Article IV, Section III, listed under association affairs. Plans are being made now for a luncheon in Kansas City at the ACS meeting March 23-April 1. Watch your C and E News of February 15 for the final program.

We are continuing the fine effort made by your past secretary-treasurer, John Peake to get some news about you people that can be published in this sheet. How about sending in a note on recent changes, promotions, number of kids, etc? We might even show your card to Dr. Kinsey, if you give us enough inside information. This especially applies to anyone who has not had his name mentioned previously. Please return that card.

Sincerely,

E. Campaigne
Secretary-Treasurer

Nomination of Officers.— Article IV, Section III of the constitution reads as follows: "A slate of candidates shall be proposed by the Chairman of the Department of Chemistry, and one space shall be provided opposite the name of each proposed candidate for recording any votes for alternate candidates proposed by the member casting the ballot." Dr. Day feels it would be twice as democratic if Section III, Article IV, were amended as follows: replace the phrase, "Chairman of the Department of Chemistry" in the present Section III by the phrase, "Chairman of the Department of Chemistry and the Current President of the Association of Indiana University Chemists".

This amendment would seem reasonable, on the basis of the old adage, "two heads are better than one". Give us your opinion on this, and vote for or against on the enclosed card.

Please send President Sommers or Dr. Day your suggestions for next year's nominees.

Membership in the Association.— Article III of the Constitution reads: "Membership in the Association of Indiana University Chemists shall include graduates of the Department of Chemistry of Indiana University, present and former faculty members of the Department, and former graduate students of the Department." Thus, if you were associated with this department, you are automatically a member. It is like being a member of the human race—you are in, for better or for worse. This brings us to the next section —

Dues.— In the past many members have paid dues—\$1.00 per year—and many have not. Fully complete records have not been kept, since here again—like the human race—nobody is expelled for non-payment of dues. Your present Treasurer plans to keep complete records, so that hereafter when you pay your dues, you will be duly credited with carrying your share of mailing and printing costs, etc. In fact, a good start was made in Chicago in this direction, and I hope we can get on our feet financially and be able to accomplish some worthwhile projects, like the new directory in the near future. With the exception of the four men who paid in Chicago, Fred Neumann, R. Mulholland, H. Spanuth, and Marshall Mead, dues of \$1.00 for the year 1953-54 are now due and payable. Please attach your check to the card you return. An accounting of the receipts and expenditures will be made each year and if a large surplus accumulates the Association may wish to propose a good use for the money, perhaps for scholarships. If you pay for several years ahead, you will be credited accordingly.

NEWS OF THE DEPARTMENT

Dr. F. G. Arndt, who is outstanding for his work in organic chemistry, and Mrs. Arndt will come from Istanbul, Turkey to be on campus during the second semester. Dr. Arndt will be visiting professor of chemistry. While he is in this country he will give the Priestley lectures at Penn State, the Reilly lectures at Notre Dame, and he will lecture at a number of other institutions.

The Indiana Academy of Science met at Earlham College November 6. J. H. Billman was Chairman of the Division of Chemistry during the past year. Faculty members who presented papers were: Billman, Buehler (Indianapolis), Day, Gerkin (South Bend), Mathers, Peake, and Welcher (Indianapolis).

The annual meeting of the Indiana Chemical Society was held on campus October 17. The main feature was a symposium on "Fostering interest in chemistry." Dr. Day was elected President for 1953-54.

Over 75 percent of the chemistry faculty are in charge of research projects supported in part through grants from sources outside the university. The amount of such support continues to increase.

In September Dr. Shiner was a guest speaker at the Jackson Laboratories of the DuPont Company.

F. C. Schmidt was the guest speaker of the Northeastern Indiana Section of the ACS in October. His subject was "Chemistry of non-aqueous solvents."

In September Dean Gucker became Chairman-elect of the Division of Physical and Inorganic Chemistry of the A.C.S.

The Walter Moore's have a new house and the Billmans and Shiners have purchased houses.

Robert Fischer is the author of "Applied Electron Microscopy," a book which certainly will bring credit to Dr. Fischer and the department.

On October 29-30 members of the chemistry faculty at the Centers met with the Bloomington faculty to discuss mutual problems concerning the teaching of courses given at the Centers. Also a major item was the problem of improving facilities for research at the Centers. Those who came from off campus were Broyles-Fort Wayne, Buehler and Welcher-Indianapolis, Gerkin-South Bend, and Hered-Calumet.

Since September we have had one departmental seminar each month. One or two members of the faculty give reports on research being done under their direction. All chemistry majors as well as graduate students, postdoctorates and faculty are encouraged to attend.

The Chemistry Colloquium and Southern Indiana Section of the A.C.S. have been active, and so far this year the Department has been privileged to hear the following speakers: J. H. Mathews, from the University of Wisconsin, on "Scientific Criminal Investigation"; Max Perutz, Cavendish Laboratories, Cambridge, "X-Ray Studies on Proteins"; C. J. Collins, Oak Ridge National Laboratories, "Carbon 14 in Reaction Mechanisms"; R. H. Wiley, University of Louisville, "Recent Developments in Heterocyclic Chemistry"; O. K. Behrens, Eli Lilly, "Isolation and Properties of Crystalline Glucagon"; and James Pitts, Northwestern University, "Relations between Structures and Photochemical Reactions of Ketones".

There are seven new postdoctorates at work in the department this year. Dr. John Peacock, from Leeds University, England, has come to work with F. C. Schmidt on non-aqueous solvents, on an A.E.C. contract. Dr. Bryce Douglas, Glasgow, Scotland, is working with M. Carmack on natural products, under the sponsorship of the Sharpe and Dohme Company. Dr. E. A. Secco, Laval University, Canada, is working with Walter Moore on an A.E.C. contract, investigating the rates of exchange of metal vapors with metallic oxides. Dr. J. V. Hallum, from the University of Iowa, is working with E. Campaigne on a U.S.P.H.S. grant, while Dr. A. K. De, from India, is cooperating with L. L. Merritt on A.E.C. work. Dr. M. Yenson, from the University of Istanbul, is studying immunochemistry on an American Cancer Society grant with F. Haurowitz, and Dr. W. Friedberg from Michigan State College is also engaged in similar work on a National Science Foundation Fellowship.

The Conference on Coordination Compounds in August met with great success, and a fine account was published in the August 31 issue of Chemical and Engineering News.

C. H. Rohrer has been appointed Director of the Laboratories, and will function as Business Officer of the Chemistry Department. Charlie will continue his research and teaching on a half-time basis. L. L. Merritt and E. Campaigne were promoted to the rank of Professor this year.

As usual there has been some remodelling of the building during the past year. Changes in the physical chemistry teaching laboratory have included the building of two fume hoods, one of which is used for a good mercury cleaning apparatus, construction of good constant temperature baths, provision of excellent facilities for the preparation and dispensing of reagents, and other supplies, provision of a good glassblowing station, etc. The research laboratory in the Southeast corner on the third floor has been face-lifted to make it more adequate for physical chemistry research. This includes airconditioning and remodelling of the benches. The northeast area of the second floor is being extensively changed to meet Dr. Carmack's needs. The partitions have been removed between all the rooms except 220C and D and the resultant area is being converted to a well equipped laboratory for research on natural products. The corner room has been completely altered and brightly painted, and is now Dr. Carmack's office. The second room west of the Chairman's office has been changed to the Business Office.

RECENT DEPARTURES

Dr. Sadhan Basu, who has worked with F. T. Gucker on an aerosol problem under Air Force sponsorship, returned to India in November. Gene Seidel, who was formerly Assistant to the Chairman and handled the Business Office, has resigned to accept a position in the Technical Service Department of Commercial Solvents Corporation in Terre Haute.

Graduates this past summer, with degrees and positions, are as follows: O. E. Yokley, Ph.D., 1954, Professor of Chemistry, Western Maryland College, Princess Anne, Maryland; Wesley Archer, Ph.D., 1953, Irwin, Neissler and Company, Decatur, Illinois. Keith White, Ph.D., 1954, Mead, Johnson and Company, Evansville, Indiana; James Egan, Ph.D., 1953, to Brookhaven National Laboratories, Upton, Long Island, New York; Leon Ellenbogen, Ph.D., 1954, to Lederle Laboratories, Pearl River, New York. Don Rose, Ph.D., 1954, Applied Physics Laboratory, Johns Hopkins University, Silver Springs, Maryland. Robert Walsh, Ph.D., 1954, to Columbia Southern Chemical Company, Barberton, Ohio; William Bromer, Ph.D., 1954, to Eli Lilly and Company; Fred Jacoby, A.M., 1953, to the Illinois Geological Survey, Urbana, Illinois. Robert Stelzner, Ph.D., 1954, to Oak Ridge for work with the Carbide and Carbon Chemicals Corporation.

NEWS OF THE ALUMNI

The following attended the AIUC Luncheon in Chicago, September 8th: J. S. Wilson, J. M. Brown, H. E. Faith, C. E. Kaslow, Lee B. Storms, Albert G. Gassman, C. J. Shoemaker, L. R. Phillips, R. L. Seifert, A. R. Sexton, Dr. and Mrs. Frank Gucker, Jr., J. K. Walker, Martha Dicks, P. Ravenscroft, Ambrose Schmelske, George Butter, D. W. Bainer, Dr. and Mrs. E. Campaigne, Fred Neumann, Nolan Sommer, Richard Reck, Harry G. Day, Arthur Kiess, Frank

Dolian, Sydney Nix, Jr., Axel Peterson, Ju Yu Chen Ho, Ping L. Ho, L. R. Caswell, Y. T. Chen, Malcolm Bray, Joseph Hartman, Harold Zeiss, Hiram Spannuth, Edgar Gault, Edward High, Leo Morris, Jim Diedrich, A. L. Borders, Leo Kauffman, Frank B. Pope, Troy E. Hoover, William F. Phillips, M. C. Brockmann, C. E. Becker, Saul A. Schepartz, Billy Brown Hibbard, J. Rooley, W. Hodes, E. Lanterman, G. F. Schaefer, R. D. Moss, H. L. (Tex) Thomas, Henry Thacher, Jr., R. D. Pruetz, Marshall Mead, R. C. Bard, L. R. Logan, R. D. Donaldson, Earl E. Parker, Robert Dorton, Edward L. Doerr, Richard M. Anderson, Raymon A. Mulholland, Lester Stout, Elmer Stuart, Richard M. Bartley, Lynne L. Merritt, Jr., W. J. Moore, E. H. Gerkin, Roy Huitama, D. J. Cook, L. H. Klemm, V. J. Shiner, Jr.

J. C. Warner, A.B. '19, A.M. '20, Ph.D. '23, was nominated President-elect of the ACS at the meeting in Chicago last September. "Jake" is a loyal alumnus and we are proud of his outstanding achievements.

M. C. Brockmann, who minored in chemistry while earning the Ph.D. in Physiology a few years ago, has become director of research at Kingan and Company, in Indianapolis. Since Max keeps in close touch with the Department he is really one of us and we are glad to claim him.

H. L. Thomas, Ph.D. '52, is chairman-elect of the ACS Northeastern Indiana section. Since he left I.U. he has been a research chemist at General Electric in Fort Wayne, Indiana.

H. H. Reller, Ph.D. '52, visits the department occasionally. He is getting along fine as a research chemist at the Miami Valley Laboratories of the Prester and Gamble Company. In October Herb interviewed graduating students relative to employment in his company.

Several alumni attended the Symposium on Coordination Compounds held in August. These included G. W. Leonard, B.S. '46, J. W. Faucett, Ph.D. '48, E. Lanterman, Ph.D. '51, H. S. Rothrock, A.B. '26, R. L. Patrick, Ph.D. '50, T. H. Chao, B.S. '35, M.A. '36, and William O. Beavers, M.A. '41.

J. W. Faucett is director of research at the Takamine Laboratory and seems to be doing well. He travels widely and on this trip his entire family accompanied him. Elma Lanterman returned to Indiana this year and she is doing research at the U.S. Naval Ordnance Plant in Indianapolis. Henry Rothrock has a responsible position at the DuPont Experimental Station. He and his family have a beautiful home in Wilmington and he is still a whiz at tennis. Bob Patrick keeps the wheels turning at the B. F. Goodrich Research Center. Dr. Chao is active in research at the Calco Chemical Division of the American Cyanamid Company, and Bill Beavers is in the Petrochemical Division of the Mathieson Chemical Company.

Some other recent alumni guests of the department have included; Elizabeth Fraser, A.B. '42, who is head dietitian at the School of Medicine, Vanderbilt University; Charles E. Becker, Ph.D. '51, who is beginning his second year as a postdoctoral fellow at the Harvard School of Public Health; Elmer H. Stuart, A.B. '14, M.A. '15, who was President of the Indiana Chemical Society during the past year; and Robert D. Donaldson, B.S. '42 who is a chemist in the General Chemical Division of the Allied Chemical and Dye Company.

Hugh W. Johnston, Ph.D. '48, becomes a colleague of Clarence E. Discher, Ph.D. '47, as he takes charge of Freshman instruction at the Newark branch of Rutgers University. Hugh is Assistant Professor of Chemistry.

D. H. Barnes, Ph.D. '47, has gone to the Textile Fibers Department of the DuPont Company. He is in the Plant Technical Section of the "Dacron" plant, at Kinston, North Carolina. He says, "Thus far the job seems very interesting and the prospects are good." We expect Dave and his family to visit us sometimes on one of their trips to Rock Island, Illinois where his father teaches.

Elsa Proehl, M.A. '46, is a senior in the School of Medicine at the University of Minnesota, and she keeps her hands in research. During the past summer she toured the Scandinavian countries and Europe. Don't be surprised if you hear wedding bells before many months have passed.

Thad Culmer, A.M. '15, has retired from the Ohio Oil Company, where he was chief Chemist. His home is in Robinson, Illinois. Since his retirement last June, he has worked harder than ever as an independent consultant to the Petroleum industry.

Edward G. High, Ph.D. '50, resigned from the faculty of Prairie View A and M. College to become Associate Professor of Biochemistry at Meharry Medical College, Nashville, Tennessee.

Paul Mayfield, A.B. '25, has been elected president of the National Agricultural Chemical Association. Mr. Mayfield is general manager of the Hercules Powder Company's Naval Stores Department and has been vice president of the N.A.C.A. for the past two years.