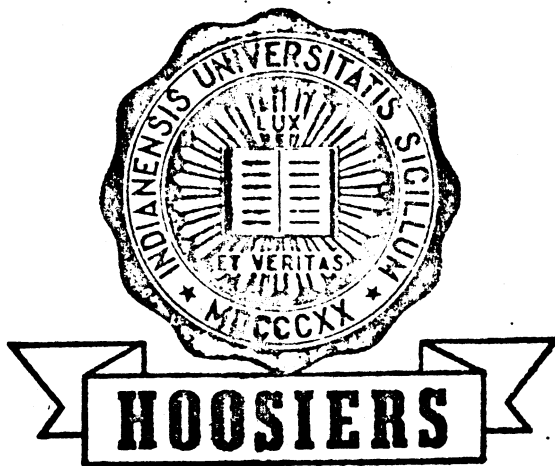


**ASSOCIATION OF INDIANA UNIVERSITY
CHEMISTS,
NEWSLETTER**



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Association of Indiana University Chemists

NEWSLETTER

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INDIANA UNIVERSITY
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Harry G. Day, Editor

The last issue of this Newsletter was in August 1975. Each issue is intended to furnish information in perspective that is of interest to chemistry alumni, former postdoctoral associates, faculty, non-academic staff, and all others who have ever been or are now associated with the Department of Chemistry at Indiana University-Bloomington.

Social Hours at ACS Meetings

As has long been our custom, AIUC has sponsored a Social Hour at each of the ACS meetings. Since the last Newsletter, they were:

26 August 1975 at Palmer House in Chicago	20 signed the register
6 April 1976 at Hilton in New York	23 signed the register
31 August 1976 at Mark Hopkins, San Francisco	54 signed the register

It was encouraging to see more alumni at the SF meeting, and for many to have the opportunity to get reacquainted at the Social Hour.

() (next Social Hours are planned for 22 March 1977 in New Orleans and 30 August 1977 in Chicago. All alumni and other friends of the Chemistry Department at IU are warmly encouraged to attend one or both of these events. Please check the ACS program for the time and place -- under Association of Indiana University Chemists.

Visitors to the Department

Since the writing of the last newsletter we have not had too many alumni visit the AIUC office; there are never too many. We always enjoy seeing any friends and alumni who come to Bloomington. We do not have records of the visits of many, but those we did see included: John T. Craig (BS'48) who is now living in Terre Haute, Robert C. Weir (BS'40) from Nashville, IN, A. M. Borders (PhD'37) from St. Paul, J. Edmund White (PhD'58) from Southern Illinois U. at Edwardsville, Ralph Kerr (AB'49) who has returned to live in Bloomington. Additionally, Martin Wagner (AB'75) who is in school at Lousville, Merle Krider (AM'43) from Pennsylvania, Colin Elliott (AB'73) now in Michigan, Joseph Weber (PhD'37) from Bowling Green (Ohio), William Boehme (BS'42) from FDA in Washington. William Foye (PhD'48) who came here from Boston to present a special colloquium, Charlene Lawburgh Whitaker (BS'74) from Charlotte, NC, Herbert Reller (PhD'52) from P&G at Cincinnati, and Wendell Meyer (PhD'62) from Dow Chemical Company. We were also very pleased to have Ryu Shinke (Post-PhD'62-64) visit us from Kobe, Japan and Joe Muhler (PhD'51) from Fort Wayne. It is a joy to talk to former students from far and near.

Next time you are in the area be sure to stop by the AIUC office for a few minutes. We are collecting many things and impressions from the past about our Department and we would like to show them to you and learn of some of the memories you have of your work here.

News of the Department

Owing to space limitations only a limited number of newsworthy items can be included, and none can be reported in depth. We are sorry.

Faculty

Forty-three men and one woman are active members of the chemistry faculty and four are retired. Presently five (Ewing, Langhoff, Mahler, Richardson, Shull) are on sabbatical leave, three are in their first year, and three are part-time because they also have administrative appointments outside the Department. The latter are: L. L. Merritt, Jr., Special Assistant to the President and Dean for research Coordination and Development; W. B. Schaap, Vice-Chancellor for Administration and Budgetary Planning IUB; and V. J. Shiner, Jr., Dean of the College of Arts and Sciences IUB.

The three new faculty members and their backgrounds are as follows:

Assistant Professor Judith Harmony received her B.A. and M.A. degrees in microbiology and her Ph.D. ('71) degree in Organic chemistry, all at Kansas U. Her postdoctoral research in the laboratories of R. H. Himes at Kansas and of E. H. Ederes at Indiana preceded her faculty appointment here. She is investigating the interaction of plasma lipoproteins with erythrocytes to define the structural organization of such lipoproteins and the internal dynamics of the constituent lipid molecules. She wishes to elucidate the mechanisms by which constituent lipid molecules transfer between plasma lipoproteins and erythrocytes and finally to search for changes in the physicochemical properties and biological function of the partners participating in lipid exchange to assess the consequences of interaction and of lipid transfer. The long range goal is to understand the modulation of cell membrane organization and cell function through interaction of plasma lipoproteins at the cell surface.

Assistant Professor S. Richard Jaskunas received his B.S. degree in Chemistry in 1964 at Notre Dame and his Ph.D. in Biochemistry at Berkeley in 1968. After service in the U.S. Air Force he held a postdoctoral appointment under I. Pinco at the Institute for Enzyme Research, University of Wisconsin, from 1972 until coming to IU. He is studying the regulation of ribosome biosynthesis. This includes work on the characterization of the transcription units for the ribosomal protein genes. The long range goal is to elucidate the mechanisms for the regulation of ribosome biosynthesis in E. coli and how it is coordinated with the overall regulation of growth.

Assistant Professor R. Mark Wightman is a cum laude graduate of Erskine College in 1968. After two years in the U.S. Army he earned his Ph.D. degree in Analytical Chemistry in 1975 at North Carolina. He had one year of postdoctoral work under R. N. Adams at Kansas University before coming to IU. His research focuses on the development and application of electroanalytical techniques, especially in neurochemistry. Presently he is making electrochemical examination of compounds related to visual pigment; such studies have not yet been applied to visual processes. Dr. Wightman is also working on new approaches to electrochemical detection with liquid chromatography.

Among the recent myriad faculty activities and recognitions that could be reported the following are noted:

Adam Allerhand, current recipient of an Alfred P. Sloan Research Award, since the last Newsletter has given 11 lectures in different symposia and other special meetings including the joint meeting of the US and USSR National Academies of Sciences at Riga, USSR. He is already scheduled for such participation in five symposia and conferences in 1977.

Russell A. Bonham is one of three US scientists appointed to the International Union of Crystallography's Commission on Charge, Spin, and Momentum Densities. He has received a senior US Scientist Research Award from the Alexander von Humboldt Stiftung for research he will conduct in the Federal Republic of Germany during January-September 1977.

E. Campaigne continues to move in major circles where he spreads the good word in medicinal chemistry. This has included eight lectures in two ACS local section tours. He gave the inaugural address at the American-Hoechst Medicinal Chemistry Lecture Series in Somerville, NJ. His responsibilities include membership on the National Cancer Institute Committee on Drug Development. Incidentally the Campaigne's son David has become national promotions supervisor for McDonald's Corporation.

E. H. Cordes has accepted reappointment for a two-year term as chairman of the Department. His honors and international involvements in chemistry included a short Distinguished Professorship in Yugoslavia this year. This was under the Fulbright-Hays program. C. S. Parmenter was Acting Chairman in his absence.

Jack K. Crandall was Visiting Scientist at L'Universite de Nantes.

Frank R. N. Gurd lectured at the 17th Experimental NMR Conference at Pittsburgh.

John M. Hayes, who is also Associate Professor of Geology, with M. V. Novotny, has continued to be in the limelight through their integral role in the development of the gas chromatography and mass spectrometer systems employed in the two Viking spacecrafts that have been furnishing so much exciting information about Mars. JH has become a member of the NASA Terrestrial Bodies Science Working Group.

Gary M. Hieftje gave an invited plenary lecture at the 5th International Conference on Atomic Spectrometry in Melbourne, Australia. He has accepted appointment to the editorial advisory board of the journal Spectrochimica Acta. With two former students Doris Olivares and Thomas Copeland he has prepared a lengthy biennial review of flame spectrometry which appeared in the April 1976 issue of Analytical Chemistry.

W. Terry Jenkins has accepted membership on the editorial board of Archives of Biochemistry and Biophysics.

Jay K. Kochi was a plenary lecturer at the EUCHEM Conference on Oxygen and Nitrogen Species in St. Raphael, France. Also, he lectured in Germany.

Donald McQuarrie was a Visiting Professor at the National Polytechnic Institute of Mexico. His new book, Statistical Mechanics (Harper and Row), is out (1976).

Henry R. Mahler delivered the dedicatory lecture for the new Chemistry Building at the U. of Maryland. He attended the 5th meeting of the International Society of Neurochemistry in Spain and the Genetics and the Biogenesis of Chloroplasts and Mitochondria Conference in Germany.

Milos V. Novotny, as reported in the paragraph on J. Hayes, as specialist in chromatography has had an integral role in the Viking spacecrafts mission to Mars. He presented a report on his research at the International Symposium on Advances in Chromatography in Munich and two reports at the First Chemical Congress of the North American Continent in Mexico City.

Peter J. Ortoleva is collaborating with Professor John Chadam of the Department of Mathematics on a program titled "A Joint Mathematics and Physical Chemistry Project in Nonlinear Phenomena." He lectured at the Gordon Research Conference on Instabilities.

Dennis G. Peters, with J. M. Hayes and G. M. Hieftje, has authored a new textbook entitled, A Brief Introduction to Modern Chemical Analysis. It was published early in 1976 by the W. B. Saunders Company. He is now the Undergraduate Chemistry Advisor.

Harrison Shull resigned from his appointment as Vice-Chancellor for Research and Development IUB and is devoting more time to chemistry and his Quantum Chemistry Program. In a discussion of a move toward the establishment of a national center for computational chemistry (NRCC), Science (6 August '76) stated that "The NRCC idea has been around for several years, having been first articulated by Harrison Shull of Indiana University----"

Attila Szabo has received an Alfred P. Sloan Research Award for two years.

Lee J. Todd attended the joint American and Mexican Chemical Society meeting in Mexico City.

Stephen R. Wilson lectured at the Gordon Research Conference on Natural Products.

retired Faculty

Harry G. Day (b. 1906) became Professor Emeritus 1 July 1976, but he works in his chemistry office approximately 5 days per week where he continues to be assisted by Elizabeth Greene. His principal non-campus responsibility is membership on the Select Committee on GRAS (generally recognized as safe) substances. This Committee of 11 scientists and a technical staff of approximately the same size (located at Bethesda, MD) is reviewing the evidence regarding the health aspects of each of the GRAS substances. Through the Federation of American Societies for Experimental Biology the Committee's findings, opinions, and conclusions are reported to the US Food and Drug Administration. Such reports are available to the public.

Last year he was named a Johns Hopkins University Centennial Scholar in recognition of his lecturing in that University's Centennial Scholars Symposia.

Felix Haurowitz (b. 1896) continues to bring distinction to the University. He year ago was elected to Honorary Membership in the American Society for Microbiology based on his "outstanding contributions to the Science of Microbiology." He participated in the International Congress of Biochemistry in Garmisch, West Germany last summer.

C. E. Kaslow (b. 1903) works in his chemistry office-laboratory and keeps in close touch with the Chemistry Business Office since he was Director of Laboratories several years prior to his retirement.

Wm. H. Nebergall (b. 1914) also retired this year, but this has not diminished the time he gives to the highly successful Nebergall, Schmidt, and Holtzclaw College Chemistry and General Chemistry textbooks. The fifth edition of each appeared this year. Approximately 1,200,000 students have used the books since their first editions appeared, and the level of adoptions remain exceptionally high.

non-academic Staff

The principal news is the retirement of Maurice Williams, long time head of the Machine Shop who joined the chemistry staff in 1948. A going-away present given to him by members of the Department was an elaborate CB radio. MW contributed much to the Department through his skill and perception in designing and constructing research equipment and in the maintenance of a superior shop. John Dorset, who joined the Shop crew in 1963 has become the new head.

Chemistry Library

At the end of 1975 Dr. John Knego resigned as head of the Chemistry Library and director of the Department's Chemical Information Center. This was to accept a larger position at the University of South Florida. His successor in both positions is Gary Wiggins, one of the top B.S. graduates in Chemistry at IU in 1966. Mr. Wiggins' major was combined with Russian language. This was followed with an M.A. in Slavic languages at IU in 1968. He next completed an MS in Library Sciences and served until this year as science cataloger in the IU Library. GW is presently working toward a doctorate in Library Science. His ties with chemistry are firm but the love for things Slavic are also firm. Gary's wife Mia is a native of Yugoslavia.

The Chemistry Library is a priceless facility. It gives superior service and it invites use of the highest level. Visit the Library and you will like it.

Molecular Structure Center

The departmental x-ray and electron diffraction capabilities have become unquestionably superior during the past several years. The "Molecular Structure Center" was officially created when the scattered departmental facilities in this field were consolidated and relocated in the large (5000+ sq. ft.) quonset hut located immediately East of Owen Hall. The building was extensively remodeled prior to occupation by the Department. John Huffman (BS, '64; MS '68; PhD '74) is director of the Structure Center, and handles most of the routine structural problems for faculty not closely engaged in crystallographic work. William Streib, Director of Laboratories, his wife Kirsten, and Assistant Professor Barry Haymore use the facilities extensively in their research.

While one of the primary purposes of the facility is to obtain rapid structural results on unknown compounds, the equipment has been designed to allow very high precision crystallographic research. Nearly all structural studies are performed at low temperatures, allowing study of highly reactive and unstable compounds as well as those which are liquid at room temperature. The computer-controlled diffractometer system which is used to collect data was designed and constructed by departmental personnel, and features the ability to interact with both the departmental computing facilities as well as the University's CDC 6600 computer. Within the next year it is anticipated that a second computer-controlled system will become operational, with two additional goniostats.

Much of the computing on the CDC 6600 is now done on one of the several interactive terminals located in the laboratory, and the Department plans substantial upgrading of the existing computing facilities.

The diversity of structures investigated is evidenced by over 20 publications during the past year, ranging from boron hydrides to complex natural products. Each substance examined is of deep interest, and some lead to unexpected results. For example, a capillary containing a pheromone extracted from male mouse urine by Milos Novotny was accidentally broken in the Center. Although the structure of the compound, believed to have some effect on the sexual behaviour of mice, was not solvable, a neatly constructed mouse nest was subsequently discovered in an unlikely location in the diffractometer room! Do mice have some power of differentiation that crystallographers have not discovered?

It may be added that the Streibs attended the Tenth General Assembly and International Congress of Crystallography at Amsterdam in 1975.

her Research Facilities Services

Although the prices for research equipment and services continue to rise, e costs within the Department are contained as well as possible. The following current charges to restricted funds are of interest and they reflect the ope of available services:

- a. Machine Shop, Glassblowing, and Instrument Shop and Electronics: \$6.00 per hour plus cost of materials.
- b. Use of NMR Spectrometers: DP-60, \$2; XL-100, \$3; KR-220, \$5; KX-270, \$5.
- c. EPR Spectrometer: \$2 if performed by applicant; \$6 is performed by service staff.
- d. Optical Rotary Dispersion Spectrometer: \$4.
- e. Mass Spectrometer (MS-9): \$4 if performed by applicant; \$8 if performed by service staff.

Seventy-two full-time non-academic staff persons provide the departmental pportive services. including the research facilities services. Approximately are for the latter.

CTURESHIPS

The two special memorial lectureships were continued with the Frank C. thers Lectures being presented in April 1976 by Linus Pauling who gave a ries of three lectures.

In October 1975 John T. Edsall presented the Frank T. Gucker Lecture and in tober 1976 Stuart Rice presented this year's lecture.

These two series are being supported through contributions from the friends id former students of the Department, and especially by those of Dr. Mathers id Dean Gucker. Neither lectureship is adequately funded at this writing. One ictorial graduate has this month completed the payment of his \$500 pledge for ie Frank T. Gucker Lectureship. Any of our readers who can and desire to do so, y mail their contributions in support of either of the lectureships to Indiana iversity Foundation, c/o Dr. E. H. Cordes, Chairman of the Department of emistry. Also, all who are interested may receive brochures which give full iformation.

lloquia and Departmental Seminars

During 1975-76 the Department sponsored 54 colloquia and seminars given by emists and chemistry-related scientists. It appears that the high quality, iversity, and number of speakers in 1976-77 will be maintained. The speakers i 1975-76 came to us from such diverse places as Hebrew University Jerusalem), Yale, U. Georgia, U. Alberta, Columbia, U. Western Ontario, U. alifornia at Berkeley, Princeton, Australia, U. Stockholm, CalTech, Cornell, ase Western, U. London, Purdue, U. Ljubljana (Yugoslavia), Vanderbilt, Carnegie- ellon, Justus Liebig Universitat (Giessen, Germany), U. Zagreb (Yugoslavia), lorida State, and several other universities.

ostdoctoral Research Associates

In 1976-77 there are 29 postdoctoral workers, with 17 different faculty embers directly involved instead of 16, as in 1975-76. In 1975-76 there ere 37 PD workers. Fifty percent of these workers this year are from the US; ie remainder are from many other countries.

Graduate Students

The Graduate Program has continued under the leadership of J. J. Gajewski (admissions and recruiting) and W. Terry Jenkins (graduate standards). There were 46 new graduate students this fall which was two more than in 1975-76. A total of 31 students completed requirements for either a PhD or master's degree in chemistry during 1975-76; the total chemistry graduate enrollment was 147.

In 1965 at the Annual Honors Banquet the first Robert Chernin Award was made in honor of R. Chernin (PhD '61) who passed away in 1963. This practice has continued each year since then with the award going to the second-year student who was the most outstanding in first-year research. Eric Maatta was the 1976 recipient.

The recognition of excellence in teaching by Associate Instructors (graduate students) was continued by naming the following as Outstanding Teachers in Chemistry: Jean Beckman, Steve Magaha, Peter Mahaffy, Linda Powell, Fred Peterson, and Rosemary Schultz.

Chemistry Majors

In January 1976 Dennis Peters became the Undergraduate Advisor. Holly Willett became Academic Counselor, but with all the chemistry majors assigned to faculty members for advice on course planning and other academic matters.

A total of 71 students were awarded AB degrees and 12 received BS degrees in 1975-76. During the first semester of 1976-77 there were 124 senior, 124 junior and 137 sophomore chemistry majors.

Recognition of Outstanding Students

The Annual Honors Banquet was held in April 1976. As usual a substantial number of undergraduates and graduate students were honored. These included the following:

The R. J. Grim Scholars for 1975-76 were Alan Becker, Ronald Conaway, Richard England, Richard Head, Virginia Merritt, Peter Pavlina, Mark Pellerite, Ruth Poling, David Schalk, Jeffrey Schenck, and Debra Jean Thompson.

The Ira E. Lee Scholarships -- to support undergraduate research during the summer-- were awarded to Mary Brewster, Gregory Brown, Ronald Conaway, Susan Guba, David Ho, Steven Marks, Mark Pellerite, Ruth Poling, Brian Willett, and James Zabrecky for the Summer of 1976.

Ruth Poling was designated the outstanding senior and Richard England received the Frederic C. Schmidt Award for 1975-76. Each received cash.

Merck Index Handbooks were presented to five outstanding sophomores. Five freshmen were recognized as superior students. Each received a book certificate for use in the IU Bookstore.

A considerable number of other majors were also included on the Chemistry Honor Roll.

The Department and all concerned are deeply indebted to a number of persons for the contributions that made these awards and recognitions possible. Special recognition is given to the late Mrs. R. J. Grim for the bequest which memorializes her deceased husband and to the late Ira E. Lee for his bequest. We are grateful to Merck and Company for the gift of the Merck Index books.

NEWS OF ALUMNI AND FRIENDS

Alan Ascher (AB'73), with his sister Carol, has formed a performing duo of piano and voice to entertain at club dates in the Glenview, IL area. Those who attended the Honors Banquets while Alan was a chemistry major will remember his delightful banquet music. He is working as chemist at DeSota, Inc. in Des Plaines and his sister is a dental hygienist.

Larry Anderson (PhD'72) is Research Scientist with the General Motors Technical Center, Warren, MI. A fellow chemist with him at GMTC is Paul Monson (MS'68) who earned his PhD at UC Berkeley.

George Atkinson (PhD'70) is a member of the chemistry faculty at the U. of Syracuse, Syracuse, NY.

Wm. E. (Bill) Bacon (AM'50), who received his PhD at Kent State U., is on the faculty there. He was co-chairman of the recent 6th International Liquid Crystal Conference at Kent State.

David K. Barnes (PhD'47) for the last three years has been running DuPont's Energy and Materials Department. He and Martha have 7 grandchildren.

Ram D. Bedi (PhD'60) with his wife Uma and their twin sons travelled extensively in Europe this past summer. Following surgery and treatment he is much improved from the vertebral injury he sustained in an auto accident in 1972. The Bedis live at Southfield, MI where he is successful in his small electrochemicals business.

Glenn A. Berchtold (PhD'59) continues to chair the Department of Chemistry at MIT.

A. M. Borders (PhD'37) like many, continues to keep in touch with the Department. He is director of the University Related Programs of the 3M Co.

Otis R. Bowen (AB'39, MD'42) was re-elected Governor of Indiana this year. Prior to his first election to this office in 1972 he practiced medicine at Breckenridge, IN and for many years he was an influential member of the Indiana General Assembly. Recently he wrote, "I take great pride in the fact that I have an AB degree in Chemistry even though I am sure that I could not make my living in the field of Chemistry without considerably more refresher courses." He and countless others have found that chemistry provides a good starting point for diverse pursuits.

William Bromer (PhD'53), well respected biochemist at Eli Lilly's these past 23 years, has recovered well from two surgeries and "hopes for progress in his research, more time for art, reading, writing, music, photography, and uttering." He and Pat (Mrs. B.) Thanksgiving in Hawaii.

W. M. Budde, Jr. (MS'47) and Jacqueline Hyberg Budde (AM'49) live in Austin, MN where the former is a chemist at Viking Chemical and the latter is librarian for the Hormel Institute, U. Minnesota. They have a farm near Bemidji where they and some of the children spend a few post-Christmas days.

R. Vincent Cash (PhD'52) focuses on history of chemistry and chemistry for on-science majors at Central Connecticut State College where he was departmental chairman a long time.

John Christman (AM'46) was an invited speaker at the American Physics Society National Meeting last April. His topic: "Factors Influencing Science Career Decisions by Women." (!)

D. Jack Cook (PhD'44) and Marion were exhilarated by three months of travel this year in the Holy Land, Turkey, Greece, Italy, France, and England. JC continues to head the Department of Chemistry at DePauw. He was president of the Indiana Academy of Science in 1976.

Julius Coon, MD (AB'32) retired with deserved high acclamation after 23 years as head of pharmacology at Thomas Jefferson University, Philadelphia. His twin brother, Jesse B. (AM'35) is Professor of Physics at Texas A&M. Julius is widely respected as a productive and responsible specialist in food toxicants.

Chester Davis (BS'44) comes to campus about two times each year from his home at Newport, KY. He continues to develop new ideas on color photography and copy paper many of which, over the years, have been reduced to practice and patented. Dealing with prospective purchasers or licensees, problems of presumed infringement, etc. keep him stirring.

Joseph Dec (AB'36) earned his PhD at Illinois in 1940 and spent three years with Eastman Kodak and three with the National Defense Research Committee. From 1946 until his retirement in 1974, for health reasons, he was with the Johns-Manville Corp. Much of his work was in the application of organic substances to building materials and asbestos-containing products. He has maintained a high level of loyalty to the Department. His recent contributions to the AIUC have been added to the Frank T. Gucker Lectureship Fund.

R. Bruce Dunlap (PhD'68), Professor of Chemistry at U. S. Carolina, continues his basic cancer research with grants from American Cancer Society and National Institutes of Health.

R. E. Enrione (PhD'62) is head of the group doing organic analysis on environmental samples at the EPA laboratories, Cincinnati.

Santiago E. Esteva (BS'74) following graduation, returned to his home in Spain. While here as a member of the swimming team, he helped IU retain its high prominence in collegiate swimming. In Spain Santiago is doing graduate work in chemistry in preparation for industrial chemistry. He continues to swim. Those who watched the Olympic swimming events at Montreal last summer must have seen him performing. He represented his country. We are so pleased that he keeps in touch with the Department.

Linda Ettestad (AB'73) is employed as a biochemical pharmacologist at The Squibb Institute for Medical Research.

Donn D. Etzwiler, MD (BS'50) is President of the American Diabetes Association as well as a member of the National Commission on Diabetes. After completing his BS here he went on to Yale Medical School and is currently a pediatrician and Director of the Diabetes Education Center at the St. Louis Park Medical Center, Minneapolis, Mn. He wrote concerning another IU graduate who has specialized in pediatric endocrinology, Elsa Proehl Paulsen, MD (AM'45), "She has really done some terrific work in the field."

Vincent P. Fernandez (Post-PhD '60-62) has a responsible role at the National Chemical Laboratory, Poona, India. Concerning his receipt of the last Newsletter, he wrote, "It was most welcome...to know what was happening at IU and with all my friends with whom I was once associated."

Steven A. Fike (BS'67) has been appointed laboratory director for Region VIII, US Customs Service, headquartered in San Francisco. He received his PhD at UC Berkeley in 1971. Steve was an All-State football player at Garrett HS before coming to IU.

Wm. G. Foye (PhD'48) is Sawyer Professor of Pharmaceutical Sciences, Massachusetts College of Pharmacy. He was an invited speaker on campus this fall. We are indebted to him for a gift of 7 beautiful Kodachrome prints of various graduate students here during the 40's. Write and we will tell you whether you are included.

C. H. Frohman (BS'47,AM'48) and his group at the Lafayette Clinic in Detroit are working productively on biochemical mechanisms involving the brain in schizophrenia. He reported on this at the International Congress of Biochemistry in Germany in 1976. The report was extensively covered in C&EN this year.

Minas Geordiadis (PhD'64) is now a full professor at the University in Athens, Greece. His son, Greg, who was born in the US, is now at IU majoring in chemistry.

George A. Hahn (BS'63) and his family live at Spring, TX where he enjoys his chemical trading business. Letters mention four horses they own, much riding on weekends, a trip to Acapulco, trips to conventions of the National Petroleum Refiners Association, and a recent speech George gave before the Southwest Chemical Club. This is probably his life in a nut shell.

Rodney Hamilton (PhD'64) Ft. Lewis College, is spending a sabbatical year at the University of Alberta, Canada.

Mary E. Haverfield (MS'72) has been in product development at Eastman Kodak since 1972.

Phil Hidy (PhD'44) was at the ACS meeting in SF last August but, probably like some other alumni, didn't time everything just right. He and Marion "Slipped on the time of the IU get-together." Following that non-pardonable forgetfulness they spent 10 days in their favorite state - Hawaii.

E. G. High (PhD'50) is becoming increasingly involved nationally and internationally in nutritional and other health-related matters concerning health education and research. This presently includes a term on the NIH National Institute of Arthritis, Metabolism, and Digestive Diseases Advisory Council. He has been chairman of the Department of Biochemistry at Meharry Medical College since 1961.

Virgil Hunt (AB'32,AM'33) and his family were feted by many of his friends and relatives in October at a large dinner in Indianapolis. This was on the occasion of his retirement from IU after 33 years of service in chemistry teaching and administration in the extension centers (now regional campuses) and recently as Assistant Registrar at the Medical Center.

Roger E. Johnson (PhD'66) has been with Rohm and Haas since he received his doctorate. Recently he has been made research and Development Manager, Pacific region, Industrial Chemicals team of that Company.

Edmund L. Keeney, MD (AB'30) is a specialist in allergic and immunologic disorders, but for many years his principal responsibilities have been in the administration of research and clinical institutions. Since 1974 he has been resident of the Scripps Clinic and Research Foundation, LaJolla, CA.

Dr. Haurowitz tells us Katherine Knight (PhD'66) spent 1975-76 at the Institute for Immunology, Basel, Switzerland, on sabbatical leave from the U. Illinois Medical Center in Chicago. She is now one of the Advisory Editors of the International Journal "Immunochemistry" and has been a member of the Study Section of the National Institute for Allergy and Infectious Diseases in Bethesda. She received a Career Development Award of the NIH a few years ago.

Dan Knapp (PhD'69) is on the faculty at the Medical University of S. Carolina.

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Denis Kohl (PhD'67), Professor of Chemistry at the U. of Texas (Austin), received the Camille and Henry Dreyfuss Teacher-Scholar Award.

Paul Krieger (MS'65) accepted a position this year as chemist at Reilly Tar & Chemical Corp. in Indianapolis. He received his PhD at Kansas U.

Christine and Gunter Kuhl (Post-PhD'57-59) returned to Germany for his mother's 80th birthday and also a class reunion at the Technical University Braunschweig.

Larry (S.H.) Lawrence, M.D. (AB'41) spends most of his time as an internist. Also, he is Consulting Specialist in the Occupational Health Service in the County of Los Angeles, CA.

In the area of belated news items -- Bill LeSuer (PhD'48) received the Midgley Award for Outstanding Contributions in the Field of Chemistry Related to the Automotive Industries, presented by the Detroit Section, ACS, for 1973. He has been employed by the Lubrizol Corporation since his graduation and has helped in its growth from a small 393-employee firm to its present size. The corporation lists more than 3000 employees scattered in 32 countries. Bill is now Vice President - Research and Development - and a member of the Board of Directors.

E. T. Marquis (AB'61) and family continue to live in Austin, TX where he started graduate work at UT in 1961. He is now Senior Project Chemist with the Jefferson Chemical Co., which is owned by Texaco. Tom received a double promotion this past summer.

Tom Mathers (son of the late F. C. Mathers) and family keep in touch with the Department. He has furnished valuable information in the preparation of the forthcoming History of Chemistry at IU. The Mathers Mutual Fund continues to be one of the top investment associations in the country.

Dana Mayo (PhD'59) spent spring 1975 on sabbatical leave from Bowden College, in England but unfortunately had to be a patient for some time in an English hospital. He was able to return to teaching part time last January. DM was the first graduate student at IU to use an IR spectrophotometer; it was procured while he was in school.

Jack McAnally (PhD'50) writes that at Occidental College he has become very interested in oceanography and expects to write several papers on research he is doing in that field.

Darrell McDaniel (LLB'71) continues to be interested in the Department even though the effects of his swimming accident in July '64, while he was a promising junior in chemistry, forced him to change to another profession. Since receiving his degree in law he has been an attorney in the IRS at Los Angeles. In addition, he has devoted much time and good judgment to assisting in establishing the Western Center for Law and the Handicapped. The center concentrates on the enforcement of existing laws, regulations and programs relating to the handicapped. This admirable "honorary chemistry alumnus" is an achiever of high order.

Don McMasters (PhD'59) was elected President of the Bloomington Area Arts Council Board in May, 1976. He is also very involved with the Bloomington Town Theatre, having been president. His appointment at IU is in laboratory safety in the Environmental Health and Safety Department at IUB.

John C. Meade (AB'66) also was drawn to law and received his JD at Michigan. He, like D. McDaniel and other such alumni, feels that chemistry is a good background for such training and work. John is with a law firm in Chicago.

Wayne S. Merriman (BS'52) devoted much time in 1975 to traveling over much of the globe--Japan, Europe, Alaska (where the family joined him for a vacation), Australia, Mexico, with second trips to Europe and Japan. He is still with the Great Lakes Chemical Corp. at West Lafayette, IN.

The Wendell Meyers (PhD'62) in this year of the Bicentennial, celebrated by completing and moving into a lovely new home in Midland, MI. It is located at the corner of Congress and Plymouth Streets. All mail directed to the new address during the next decade should really have attached to it an appropriate symbol of the Bicentennial. He is now Project Manager of the Central Research Plastics Laboratory at Dow.

John W. Morgan (AB'63), after receiving his PhD at Princeton and postdoctoral work at Johns Hopkins, has spent several years at P&G in Cincinnati, thus helping that company prosper.

Ahmed Mustafa (Post-PhD'55), who is again active in biochemistry at El Azhar University, Cairo, is recovering from a severe heart attack (April 1975). He was a heavy smoker but tells us that he has quit.

Ed Neiss, MD (PhD'65), after five years in research in clinical pharmacology at Squibb and service as Medical Director at Colgate-Palmolive, has re-entered the educational field as a resident in training in dermatology at the University of Pennsylvania in Philadelphia. Ed received his MD at Penn. in 1967.

Michelle Stone Perry (AB'70) has discontinued work in chemistry, at least temporarily, since three young children, and husband David, and a new home at Gardena, CA keep her fully occupied.

Floyd A. Peyton (AB'28) has generously given us a thoughtful and informative commentary on chemistry at IU in the twenties. He received his D.Sc. (dental physics) at U. Michigan in 1933. Since that time he has been productively involved in education, research, and consulting in physical characteristics of materials used in restorative dentistry. This has included professorships at U. Texas, U. Michigan, and U. Florida. During the sixties he was active in international programs of instruction, research, and standardization of dental materials in several countries. His wife Beatrice and he are in retirement at Sun City Center, FL.

Helen Poland (AB'65, PhD'69), reported by C. S. Parmenter, is a member of the faculty at Colorado State University. She planned to enter Veterinary School in 1976.

Gerald W. Recktenwald (PhD'55) was with General Electric and then with Olin Industries before going to Air Products and Chemicals. He is manager of New Ventures in the Corporate R&D Department. Jerry's checks to the AIUC are generally on a matching basis in which his employer has contributed an equal amount. His most recent support has gone to the Frank T. Gucker Lectureship Fund. Through such thoughtfulness he and many others are making that Fund fully adequate to serve its purpose.

Herbert H. Reller (PhD'52) continues to do skin research and publish at P&G in Cincinnati. The three children are on their own, so wife Bettye "tells" at the bank, and not without some excitement. A demanding and illegal "customer" got several thousand from her, but the law got him because, at the time of the "withdrawal," Bettye turned on the automatic cameras.

Wm. S. Robinson, MD (AB'56) has been named Professor of Medicine (infectious diseases) at Stanford Medical School where he has been a member of the faculty since 1967. He is also chairman of the biohazard subcommittee of the Stanford University Panel on Health and Safety.

Luther S. Roehm (AB'32, MS'34) retired as Vice President of Merck and company in 1976. He recently completed a term as Chairman of the American

Section of the Society of Chemical Industry. In 1968 he was President of the Animal Health Institute and is currently serving his third term on the city council of Summit, NJ. He received his PhD at Iowa State in 1938.

Wendell Roelofs (PhD'64) has been at Cornell U. since 1965. With his associates, the isolation and identification of many sexual pheromones from insects has been achieved and practical applications have followed. WR is now generally recognized as one of the world's foremost experts on insect pheromones.

Wm. G. Roessler (BS'42, PhD'50-Bact.) and wife Priecilla have deepened their roots at IU through 3 children who have received degrees here, although none were in chemistry. They live at Frederick, MD. In late 1975 they spent some time in Germany and Switzerland. Bill participated, by invitation, in a European Colloquium on Disinfectants. His work is at EPA in Washington.

Wm. E. Rogers, Jr. (PhD'57) has recently become Chief of Planning for the National Caries Program at the National Institute for Dental Research. For recreation the family, including wife, Sue, and the two daughters, spend much time on their farm in W. VA. Also, the parents, long-time glider enthusiasts, have a new German high performance fibreglass sailplane which is to be used extensively.

P. Roy-Chowdhury (Post-PhD'58-'61) keeps in touch with us. He is still in the Physical Chemistry Division of the National Chemical Laboratory, Poona-8, India. In connection with his contribution to the F. T. Gucker Lectureship Fund it was pleasing to read his tribute in which he stated, "I feel myself proud that I was associated at one time to such a distinguished educator, scientist, and administrator."

Charles Russell (PhD'46) with USDA (Peoria) since 1948, becoming Chief of Northern Regional Laboratory's Cereal Products Laboratory in 1971, was a member of the team that received the Distinguished Service Award of USDA for discovery and development of a starch product with unique water-absorbing and holding properties for use in problem soils, seed and root coating formulations, and absorbent disposable soft goods. He has authored approximately 140 publications and has been an inventor on 20 patents. In 1965 he received the Department's Superior Service Award.

Paul N. Rylander (PhD'48), who is Director of Research for Englehart Industries, is co-author of a new book, "Catalysis in Organic Synthesis 1976."

Lothar Schafer (Post-PhD'67-68) has been on the faculty at U. Arkansas since he left R. Bonham's group at IU. He has recently authored a particularly interesting review (311 references) on electron diffraction as a tool of structural chemistry (Applied Spectroscopy, 30: 123).

Saul Schepartz (AB'51) is Executive Secretary of the National Cancer Institute Committee on Drug Development.

Merle Schuh (PhD'70), according to C. S. Parmenter, is a member of the faculty at Davidson College.

Mike Schuyler (PhD'69), according to CSP, is a member of the faculty at Allegheny College.

Stewart Schneller (PhD'68) is now Associate Professor at the University of South Florida (Tampa) and has been appointed to the Board of Editors of the International Journal of Heterocyclic Chemistry.

Michael Sela (post-PhD'57) became President of the great Weizmann Institute of Science in November 1975. He worked with Distinguished Service Professor Emeritus Haurowitz in 1957. In spite of his arduous administrative duties, he is continuing his research on the genetic control of immune response, antibody conformation, and applications to diseases.

Nicholas N. Seldon (AB'56, MAT'59), in spite of severe visual handicaps, has been distinguishing himself in high school teaching since he entered the Indianapolis system in 1959. His wife, Betty, has been on the history faculty at IUPUI since 1949.

Moon Taik Shim (PhD'57) is President of the Agency for Defense Development in Korea.

Alice Haurowitz Sievert (AB'50), after completing a PhD and being married to a biochemist at U. Wisconsin, has finally returned to biochemical work. Both children are in college and her long years of recurring back problems have apparently ended, perhaps in part through the appropriate use of chymopapain. She now works in Clinical Research at Abbott Laboratories, where her husband is also in research.

Blanche E. Skidmore (AM'42) has completed 25 years with the American Red Cross. She has recently transferred to Delaware where she holds a major position with "The Great White Mother."

Morris L. Smith (PhD'60) started out as a research chemist with Shell Oil, but like Jerome Hines of UCLA who started as a petroleum chemist, Morris very successfully changed to opera. He lives in Germany (Rhine Valley).

M. Pleasant Sparks (AB'27, AM'28), after receiving her PhD with her late husband in 1936, has been a professional chemist over these 40 years and she is specialized in law. For a number of years she has held a J.D. degree. Since the Sparks moved to Florida in 1966 she has been a patent attorney in one of the law offices in Coral Gables. As the director of the Southeastern region of the National Association of Women Lawyers, in November she presided at the regional meeting held at Miami Beach. Meredith plans to attend the 10th reunion of her IU class in 1977.

Richard Spencer (AB'64) has ventured forth in the realm of private business and formed SLM Instruments with George Mitchell. SLM offers photon-counting and continuous wave instrumentation (Fluorescence instrumentation).

Nolan B. Sommer (PhD'44) has recently become Senior Vice President of the American Cyanamid Co. Until recently his international responsibilities kept him moving from one country to another. Now he expects to focus on domestic matters and limit most of his travel to this country. Hopefully a visit to IU will occur before the end of 1977.

Ian Stapleton (PhD'66) worked productively in the M. Carmack natural products program, sang in a church choir, and had roles in several School of Music operas in his four years here. Since returning to Australia he has resumed work in the C.S.I.R.O. We have been informed, not by Ian, that he is still "invited to sing at concerts, and gave a splendid performance of Ruckner's 'Te Deum' recently with the Melbourne University Choir and Orchestra." Of course, he devotes time to the four children and wife Shirley who, as in Bloomington, remains occupied with her profession of medicine.

R. Dale Stayner (PhD'46), after retiring from his chemist's position with Shell Oil, has taken up land-appraising near Lake Tahoe, CA, where he and his family live.

Fred Stern (PhD'70), according to CSP, is a member of the faculty at Western Colorado State College.

Verling M. Votaw (AB'25, AM'26) and "Lib" celebrated their 50th wedding anniversary in October 1976. A few hundred persons were present, including several IU Chemistry alumni and friends. Because VV played such a large role in interfacing the IU - P&G relationship in the research and development of Crest

toothpaste in the 50's, the occasion was secondarily a Crest personnel reunion. In his retirement VV is devoting much time to management - counseling work in helping his church organization plan and finance the construction of new church buildings.

M. C. Wani (PhD'62) has worked at the Research Triangle Institute since leaving IU. The Wani's son will graduate from Duke U. in 1977 with a degree in Electrical Engineering.

John C. Warner (AB'19, AM'20, PHD'23, ScD'54) was President of Carnegie Institute of Technology (now Carnegie-Mellon) from 1950 until his retirement in 1965. Two years ago he endowed a professorship at CMU. No chemistry alumnus of IU has accomplished more in the diverse areas of research, education, administration, and in influencing public decision making. No less than 14 universities and colleges have recognized such distinctions through the awarding of honorary degrees. We salute Dr. Warner.

Robert H. Weir (BS'40) has retired and moved to Nashville, IN after being with the DuPont Co. many years. Naturally he visits the Department and uses the Chemistry Library. Other alumni could make less satisfying plans for retirement.

J. E. White (PhD'58) has been at Southern Illinois U. at Edwardsville most of the time since he left I.U. His interests in comprehensive chemical education were reflected in his recent commendable portrayal of the parallel two-century development of chemistry and of the broad historical events in our country. He presented this at the 4th Biennial Conference on Chemical Education at the U. of Wisconsin in August 1976 and in the J. Chem. Ed. 53: 738, 1976. Jed visited the Department in August.

Mark Wisn, MD (AB'56), one of the two neurologists practicing in Bloomington was featured in a televised news spot on NBC in January 1976 (Joe Chancellor's 7 p.m. news and the Today Show). The occasion spotlighted current medical malpractice insurance problems, which partially accounted for Dr. Wisen's decision to move from California to Indiana. Interestingly, Dr. Wisen lives in the Frank C. Mathers home which, since Dr. Mathers' death in 1973, has been extensively refurbished.

Dale Wolfgram (MAT'69) of Grand Blanc, MI, is one of many alumni and former associates of the Department in the generally overlooked but most responsible area of high school teaching. He attended the NSF Institutes for such teachers during the summers of 1967-69. He likes to receive the AIUC Newsletters.

Albert C. Yates (PhD'68) Associate Dean at the University of Cincinnati, was appointed University Dean for Graduate Education and Research at that school.

Wm. H. Zimmerman, MD (pre-med) was an enthusiastic and very able part-time worker in my (HGD) laboratory during the middle 40's while he was hurriedly completing the course requirements for admission to medical school. He deservedly became a coauthor of a paper in 1946 that resulted from the research. Over the years he has carried on an exceptional busy and beneficial family practice in Indiana. The annual letter to me and my family from the Zimmermans indirectly but poignantly remind me of the deep and valuable impressions that chemistry and teachers may make on premedical and other students. I believe many of our majors, like Bill, who went on to medicine, or dentistry, or other professions, carried with them much more than the certification of course completions; they had a zest for learning and aptness for understanding. Such alumni make teaching unexpressably rewarding.

Three of our alumni are serving the ACS this year as secretary of one of the Divisions: Frank Guthrie (PhD'62) is secretary of the Analytical Division, Jay Young (BS'39) serves the same position in the Division of Chemical Education, and Robert Rowell (PhD'60) is serving the Division of Colloid and Surface Chemistry.

Necrology

Since the publication of the August 1975 Newsletter we have learned that the end of life has come for a number of persons of direct concern to the Department and the AIUC. Unfortunately delays occur in reporting some deaths to us, and we fail to learn about others. We respectfully report the following:

H. Lyle Aamoth (BS'50) died 30 Aug. 1975. He is survived by his wife, Julia, two sons, his mother, and one sister. His entire professional life was spent at IU in Midland. After 3 years of Army service in WWII he entered IU from Detroit, ND. At IU he was president of PKP and treasurer of AXE. He thoughtfully contributed to the AIUC scholarship fund and expressed his loyalty to IU in various ways.

Franklin H. Blood (PhD'63) died 11 Sept. 1976 at Caldwell, Idaho. His work at IU, under the direction of Wm. Nebergall, was on reactions of lead (II) compounds with calcium hydroxyapatite. After a short time on the faculty at the University of Puget Sound he was returned to the faculty at his alma mater, the University of Idaho.

David F. Boltz (Summer faculty '59) died 11 Jan. 1976 from a ruptured aortic aneurysm. He is survived by his wife Dorothy and two children. From 1954 until his death he was a member of the analytical chemistry faculty at Wayne State U.

Robert M. Boyer (AB'41,AM'48) died 23 Nov. 1975 from cancer. His wife Rosemary had become a Registered Nurse shortly before his death and is employed at a hospital in Lexington, KY. Bob served as an Army officer in WWII and received the Purple Heart at the Battle of the Bulge. Most of his professional life was spent as director of the chemical laboratories and then as administrative assistant to the Dean of the College of Arts and Sciences at the U. of Kentucky.

Ralph E. Broyles (AB'32,AM'33,PhD'42) died unexpectedly 25 July 1975 while visiting in Lynchburg, VA. He is survived by his wife Kay. All his professional life after receiving his PhD was spent at the Fort Wayne campus of IU (now IU-PU at Fort Wayne) where he advanced from instructor in chemistry in 1941 to Chancellor in 1969. He was the last graduate student whose work was directed by Dr. H. T. Briscoe. A Ralph E. Broyles memorial scholarship fund has been established at the Fort Wayne campus.

Philip R. Ferguson (AB'47,AM'48), born in Bloomington, IN, died unexpectedly on the golf course at Bradenton, FL 28 June 1976. The survivors include his wife Brunhilda and 5 children. He was a Navy veteran of WWII. His PhD was earned at U. North Carolina. All of his professional life was spent in chemistry at Western Carolina College and at Eckerd College, St. Petersburg, FL. He joined the latter in 1961.

Glenn R. Hamiel (AB'21) died 12 May 1976, presumably at Las Cruces, NM, where he lived. Unfortunately we have very little information. Apparently he served approximately one year in WWI.

James M. Hundley (BS'37,MD'40) was killed in an automobile collision 17 Dec 1975 at San Rafael, CA. He had been in private medical practice in Oakland, CA following his retirement in 1972 as director of the American Heart Association. From 1966 to 1968 he was executive director of the Presbyterian Medical Center's Institute of Medical Science. Prior to 1966 he served in various capacities in the USPHS, much of which involved research and administration in nutrition.

Nancy Kiefer Kohl (grad. stu. '62-'63) died 21 Oct. 1976. She was the wife of Dennis Kohl (PhD'67) who is on the faculty at U.Texas, Austin.

Some of the most favorable impressions left by Nancy were occasioned by her attitude and performance as a teaching assistant. The individual appraisals on record are best expressed in the words of an experienced faculty member supervising her work in general chemistry during the second semester: "clearly best and most conscientious assistant I have ever seen."

Ruth Dickey Lingle (AB'20) died of cancer 3 June 1976 at Tucson, AZ. She was employed as a chemist at Eli Lilly and Co. from 1920 to 1928. When her late husband Robert W. Lingle (AB'19) retired from Lilly's the couple moved to Tucson. I (HGD) visited the Lingles several times before and following Bob's death. My last visit was in early April 1976. Ruth was very seriously ill, but her characteristic charm and gracious interest in others, and in the future, remained. Following Bob's death, in keeping with Ruth's high regard for his memory and the needs of their alma mater, she contributed funds to the IU Foundation for the procurement of a valuable Sound-on Projector Recorder. This visible memorial is regularly used in the Library Instruction Program of the Department. Her bequest to the Department will be announced in the next Newsletter.

Estell E. Morris (AB'49, DDS'53) died unexpectedly 3 Dec. 1975 while on vacation in FL. The survivors include his wife Faye and three daughters. He was Assistant Professor of Oral Surgery at the IU School of Dentistry and Chairman of Oral Surgery at Wishard Memorial Hospital. Prior to his matriculation at IU in 1945 he served 3 years in WWII and received the Purple Heart at the Battle of the Bulge.

Carl Paxson Sherwin, M.D. (AM'11) died at Zephyr Hills, FL, 18 Dec. 1974 when he had been in retirement a number of years. Dr. Sherwin's productive academic life began in 1909 when he received a BS at Hanover College. He obtained an MS at U. Illinois in 1913 and his ScD at Tubingen University (Germany) in 1915. Fordham U. awarded his MD in 1920, and an LLD in 1924. New York U. awarded him a Dr.PH degree in 1923. Thus he had six earned degrees and one honorary degree from six different institutions. One of his significant areas of work was the metabolism of aromatic amino acids and the role of cysteine and related compounds in detoxication reactions of the body.

Wm. J. Sparks (AB'26,AM'29,ScD'66) died 23 Oct. 1976 at Coral Gables, FL where he and his wife Meredith Pleasants Sparks (AB'27,AM'28) had retired in 1966. At the beginning of their many years together each worked in industry a short time and then returned to graduate school together at U.Illinois. After each had received PhD's in 1936 he soon became deservedly prominent in the Esso Research and Engineering Company. His most widely recognized achievement, with a colleague, was in the chemical development and invention of butyl rubber.. This came just in time to be exceptionally important to this country in WWII. He published many strictly chemistry papers and secured 145 patents largely in the field of rubber chemistry. Bill received the highest honors and offices of the ACS, including the Priestley Medal (1965) and Presidency of the ACS in 1966. He was elected to the National Academy of Engineering in 1967 and the honorary Sc.D. degree from IU was conferred on him in 1966. In spite of the impairment in health, Bill and Meredith attended his 50th anniversary at IU in 1976. This last occasion at IU for Bill was greatly enjoyed by both. Meredith is continuing in her career in patent law at Miami.

Peter G. Stanley (Post-PhD '60-'62) died unexpectedly 25 Sept. 1976 of myocardial infarction. He is survived by his lovely, Vietnamese wife and two sons. Almost from the time the Stanleys left IU, where he worked in the H. R. Mahler group, they have lived in Wahroonga, Australia where he was productive in basic clinical chemistry research.

Cecil Upton (PhD'59) died 22 May 1974. He had lived with cardiac impairment for years. While he was in graduate school he devoted much time to teaching, including a special instructional chemistry assignment at the Indianapolis Extension Center (now IUPUI). It is regretted that news of Cecil's death failed to reach us in time for inclusion in the 1975 Newsletter. He is survived by his wife Pat and three children.

Edward H. Van Kooten (AB'35; AM'36; PhD'38) died in August 1975. Unfortunately we have not been able to secure much recent information about Dr. Van Kooten. His graduate work was done under the direction of Professor D. W. Brown who died in 1967. He served in the US Army during WWI. Before retiring he was a member of the research staff at Los Alamos. Dr. Van Kooten enjoyed compiling chemical information on various topics. This resulted in his preparation of an extensive collection of organized information from Chemical Abstracts on biochemical aspects of tellurium and on the Grignard reagent. The two volumes he produced were given to the Chemistry Library at IU.

James H. Young (AM'30; PhD'38) died 5 Aug. 1975. He received his AB at Marion College in 1926. Most of his professional life was spent as research chemist at the Anaconda Wire and Cable Co. in Marion. We regret that more information is not available.

Publications from the Department

Since 1952 there has been issued annually a listing of Scientific Publications of the Department of Chemistry. The current issue, for June 1975 through May 1976, lists 155 papers on work done at IU by 43 current and recent faculty members and their associates. In addition, it lists two books, nine book chapters, and six reviews and review articles written by 13 faculty members and associates.

The brochure entitled Chemistry, for prospective graduate students, and one entitled Undergraduate Program in Chemistry are revised and made available at two- or three-year intervals. Interested persons are invited to request copies of the brochures or the list of scientific publications.

History of Chemistry at Indiana University

Completion of the planned history of the Department (See last Newsletter) is one of my highest priorities. During 1976 I have received useful contributions of old letters, anecdotes, pictures, etc. from many alumni, and other interested persons but much more is needed. Among those who have been the most helpful are:

F. M. Coon (AB'32), E. G. High (PhD'50), E. L. Keeney (AB'30), Mrs. R. Lyons, Jr. (daughter-in-law of the late Prof. Lyons), F. Peyton (AB'28), M. Pleasants Sparks (AM'28), J. E. Weber (PhD'37), and R. C. Wiles (local elderly druggist). Such help is valuable for the Chemistry Archives, which we are gradually developing, and it is essential to round out the working background for the book that I am preparing to write.

In addition to the above types of information, I desire brief biographical sketches from all who will take the time to make this kind of response. Preferably these should focus on the professional activities and accomplishments, in the general style used in American Men and Women of Science and in Who's Who in America.

Alumni and friends who may desire to receive archival information that can be appropriately furnished will be accommodated as fully as possible.

Updating of Chemistry Files

We are engaged in a continuous struggle to maintain at least the current mailing addresses of all the chemistry alumni and others who have been closely associated with the Department. Among the addresses missing from our files are those of Robert J. Hartman (AB'28;AM'29;PhD'30) and Eugene W. Kanning (AB'28;AM'29;PhD'31). Joe Weber aided admirably in the search for information on these two alumni and former faculty members. Any helpful information regarding these persons and others who are "lost" will be deeply appreciated.

A form is included on the back page which may be used as an aid in providing needed information.

Acknowledgments

I am indebted to many alumni and other persons for information, not only for this Newsletter but for other needs. I am especially obligated to Elizabeth Greene for her continuing vigilance and interest in keeping in touch with so many who "are out there," for her work in developing the Chemistry Archives, and in preparation for the book on history of the department. Also, among the current faculty I am particularly indebted to E. Campaigne, C. Kaslow, and C. S. Parmenter.

Harry G. Day

We are very sorry that the very unexpectedly severe winter weather has delayed the publication of this newsletter. Will hope to do better next time.

HD

Communications with the Department

(Please fill in indicated items of information
or inquiry that may be helpful to you and to the
Department.) Date: _____

Name and mailing address: _____

Date of degrees or residence at IUB and list degree(s)

Other degrees, if any, and institutions and dates

News item(s) of self or other alumni
(use additional paper or copy of any published item that
gives information, if helpful.)

Suggestions or requests, if any:

Please mail to Harry C. Day, IU, Bloomington, IN 47401