DEPARTMENTAL NEWS

The new synthetic organic chemistry laboratories were officially opened with a ribbon-cutting ceremony on December 4, 1980. These laboratories were installed on the top floor of the old building, where the old organic laboratories had been. The new laboratories incorporate safety features now required, including individual hoods, glass partitions between benches which are back-to-back, and chemical storage cabinets. Space for about 40 researchers was provided. In addition, a conference room and organic chemistry library have been provided, along with an instrument room, three secretarial offices and five faculty offices. These are now occupied by Professors Grieco, and Williams, and Emeritus Professors Campagne and Carmack. A ribbon cutting ceremony attended by many officials, including President John Ryan, Bloomington campus Vice-President Kenneth Gros Louis, and C.W. Pettinga, Executive Vice-President of Eli Lilly & Company, took place on November 25, 1980. Phil Magnus will be joining Paul Grieco and David Williams in the use of the third floor laboratories.

This department was one of six chosen nationally in the 1980 Cooperative Education Development Model Competition, of the American Chemical Society. We have initiated a cooperative program which will allow interested students to pursue a B.S. in chemistry, and work in a chemical industry for several short intervals, totalling approximately 90 weeks. In all, the coop program will entail 5 years of academic and work experience. Currently cooperative agreements are in affect with Pfizer, in St. Louis, Mead Johnson, Evansville, and Lubrizol, in Cleveland. Several other chemical industries will be cooperating, as student involvement increases. Specific information can be obtained from Alan McNabb (Owen Hall 205, 812-337-5234).

The Frank C. Mathers Lectureship in Chemistry was initiated through a gift made in 1966 by a former student who wanted to show appreciation for Dr. Mathers. Using funds from different sources in combination with this gift, the Lectureship was initiated in 1970. The program was continued throughout a full decade. Through it the students and faculty have been brought into close contact with some of the greatest chemists, some of whom are Nobel Laureates. A program to establish a full funded Mathers Lectureship is under way. The year 1981 marks the centennial of Dr. Mathers birth. The 1980 Mathers Lectures were presented April 1-4 by Professor Earl L. Muetterties, of the University of California at Berkeley. Dr. Muetterties received the Ph.D. from Harvard in 1952, and took a research position at Du Pont, where he rose to be Associate Director of Research, before joining the academic community as Professor of Chemistry at Cornell University. His lectures dealt with coordination chemistry.

The Frank T. Gucker Lecture for 1980 was presented on October 30 by Professor William Klempner, of Harvard University, on "The Nature of Intermolecular Forces as Determined from the Structure of van der Waals Molecules." Professor Klempner received the Ph.D. from the University of California, Berkeley, in 1954. An instructorship at Harvard led to a full Professorship in 1965, and to chairman of the department, 1974-77. He is a member of the National Academy of Sciences, and a Fellow of the American Physical Society and the Franklin Institute. The School of Public and Environmental Affairs sponsored a short course on "Environmental Applications of Gas Chromatographic Mass Spectrometry" by Professor Ronald Hites, held July 7-11, 1980. This course was developed at M.I.T. while Hites was on the faculty there. He has had extensive experience with mass spectrometry and its applications to environmental problems. Among the 23 enrolled was a student from Saudi Arabia. Prof. Hites plans to offer this course each summer.
The department has received a graduate fellowship from the SOHIO Oil Co., to be known as the Indiana University-SOHIO Fellowship, under the supervision of Professor Malcolm Chisholm.

CHEMISTRY LIBRARY

Despite cancelling 81 serial titles with FY79 costs of $13,543, the expenditures for Chemistry Library serials exceeded the initial budget allocation of $102,587 by $3,315.06. Nevertheless, we are able to purchase significant monographic titles thanks to funds provided by the I.U. Foundation ($8,041), the IUB and Central Administration ($678), and the sale of some duplicate serial volumes ($500). Seven additional purchase subscriptions were added to the collection this fiscal year, bringing the total number of unique current subscriptions in the Chemistry Library to 451 as of July 1, 1981. However, a new cancellation goal of $9,071 has just been announced, so the serials collection will once again be pruned. Initial deposits to Springer-Verlag to cover the costs of Gmelin and Beilstein published throughout the year have gone from $12,780 in July 1978 to $15,435 in July 1979, and now to $17,775 for the invoice just paid. Several generous gifts of materials have enhanced our collection this year.

Miriam Bonham completed her first year as a fulltime tenure-track employee by setting a new record of 334 online searches. Miriam is working on an online file of Chemistry Faculty publication references which will be accessible through the Wrubel Computing Center. The Chemistry Library online search service has now officially been accepted as one of the CAR5 [Computer Assisted Reference Service] online database search centers. Formal library orientation sessions for departmental secretaries were initiated last fall and will be continued.

FAILURES TO RECEIVE NEWSLETTERS

In spite of our best efforts some alumni and others fail to receive their Newsletters. The best way to assure delivery is to belong to the Indiana University Alumni Association. For efficiency and economy we use the Association’s address printouts of chemistry alumni. Persons whom we know are not alumni members are added to the supplemental mailing list. Readers who know of others interested but not receiving the Newsletter should give us the correct mailing addresses.

A single dues payment confers dual membership in the I.U. Alumni Association and the College of Arts and Sciences-Graduate School Alumni Association.

Single Annual—$10
Single Life—$150
Family Annual—$12
Family Life—$175
Make checks payable to I.U. Alumni Association, IMU-M17, Bloomington, Indiana, 47405

A LETTER FROM THE CHAIRMAN

Dear AIUC Members:
I would like to take this opportunity to give you good news about departmental events.

Faculty recruiting. In the Special Fund Drive Edition of the AIUC Newsletter (July 1980) you received information about the six new faculty members who joined us in the 80-81 academic year. I am very pleased to inform you that Philip Magnus, now on the faculty of Ohio State University, will be joining us next Summer as Professor of Chemistry. Phil is a synthetic organic chemist who joined Ohio State in 1975. He was previously a lecturer at Imperial College, London, England. Magnus is the recipient of the Corday-Morgan Medal and Prize of Great Britain (1980), the Distinguished Research Award of Ohio State University (1980) and, most recently, the 1980 Award of the Akron Section of the American Chemical Society. Magnus is 37 years of age. He is the author of about 90 publications in the areas of synthetic organic chemistry and the use of organosilicon reagents in organic synthesis. He is in great demand as a speaker at symposia, universities, and chemical companies (as evidenced by his list of invited lectures in the last five years). He is a consultant for Upjohn.

Architectural engineering study. As a first step towards the rejuvenation of all chemistry facilities, the university authorized an architectural/engineering study last fall. The firm of Fleck & Hickey of LaPorte, Indiana, has been conducting this study. They have examined our premises, interviewed members of the Department, and examined chemistry laboratories at other universities and in industrial research facilities. Their report, with detailed recommendations for a plan of implementation, should be ready by the time you receive this Newsletter.

Fund Drive. The special Fund Drive prompted by the extensive faculty recruiting for 80-81 received a magnificent response from our alumni. On behalf of the Department, I would like to express my appreciation to all donors, who are listed in this Newsletter.

A request. I would very much like to hear from all alumni. Questions, comments, suggestions, criticisms; would all be welcome. Please drop me a note or call (812) 337-6239.

Best personal regards,
Adam Allerhand
Professor and Chairman

PHOTO CREDIT: The cover photo of our November 1979 issue, an aerial view of the Central I.U. Campus, was taken by Professor John M. Hayes.

Fig. 3. Professor Ron Hites [right] with Chairman Allerhand in the New Environmental Chemistry Laboratory.
FACULTY NEWS

Russ Bonham is a real physical chemist, so physical that he holds the world record for the 2-mile run for 48-year olds. The record was set March 8 at a track meet in Bloomington, in a time of 10:19, one second faster than the world record. Bonham runs about 30 miles a week, to keep in condition. John Bartmess was invited to speak at a symposium on "Development of Mass Spectrometry" held at the University of Alabama, September 15-16, 1980.

Kenneth G. Caulton participated in the International Symposium on Homogeneous Catalysis in Dusseldorf, West Germany, in August, 1980. Following that, he ventured into Poland at the end of the Gdansk shipyard strike to lecture at a Workshop on Fundamental Research in Metal Complex Catalysis Related to the Utilization of Coal. This visit also provided the opportunity to finalize plans for a modest cooperative research project concerned with transition metal catalysis of coal liquefaction.

Malcolm H. Chisholm has been awarded a Doctor of Science degree from the University of London. At the Los Angeles meeting, Chisholm chaired a combined poster session and Social Hour, sponsored by the Division of Inorganic and Petroleum Chemistry, which was declared a rousing success, both socially and scientifically. A useful synthesis of brucetin, a potential anticancer drug, was reported by Paul Grice and coworkers in J.A.C.S. 102, 7586 (1980). Three I.U. Professors, Howard Gest, Biology, Cornelius Klein, Mineralogy, and our own John M. Hayes, were part of a team of scientists who worked at UCLA on an intensive effort to determine when life began on earth. This Precambrian Paleobiology Research Group found evidence of organisms able to synthesize their own food in sedimetary rock at least 3.5 x 10^9 years old. Chisholm presented a keynote lecture at the 1980 Analytical Summer Symposium, held at Duke University, and took a 3-week trip to Venezuela which included the presentation of approximately 30 lectures. He visited the Central University of Venezuela in Caracas, the Universidad Simon Bolivar in Caracas, IVIC, a local conference, and the University of the Andes in Merida. Lectures covered a range of topics, but included information theory, the use of computers in chemistry, signal-to-noise enhancement techniques, the use of lasers in spectroscopy, sub-nanosecond measurements in chemistry, Fourier transform infrared spectrometry, multielement methods of analysis, and atom formation and excitation processes in flames and plasmas.

Ron Hites, who holds a joint appointment in the I.U. School of Public and Environmental Affairs, has visited the Love Canal site several times, while supervising New York State efforts to gather evidence of the nature and environmental impact of the chemicals in that dump.

The James Flack Norris award of the American Chemical Society went to our own Jay Kochi, it was announced at the Las Vegas meeting. Jay will receive the award in Atlanta in March, for significant achievements in the chemistry of catalysis, and how chemical reactions occur, in particular the mechanisms of organometallic processes.

Peter Ortoo is a recipient of an Alfred P. Sloan Research Fellowship. Charles Parmenter has just returned from a sabbatical leave at Griffith University, Brisbane, Australia. Dennis Peters conducted a series of lectures in Japan, sponsored by the Japan Society for the Promotion of Science. Lynne L. Merritt has returned to teaching analytical chemistry, after nearly 15 years as Dean of Advanced Studies, Vice President for Research, and Assistant to the President. Lynne and Lucille spent 11 weeks in Indonesia in the fall of 1980, where he lectured on research management and administration, proposal and report writing, at eight Indonesian universities on Java, Bali, Sulawesi and Sumatra. The popularity of Wendy Sonntag, visiting lecturer, was shown by the advertisement placed in the Daily Student by former Chem 100, 101, 102, 121 and 122 students, when she left for a position at Ohio State. The ad said "We'll Miss You! You're the best darn teacher in the whole wide world."

Harry G. Day has been elected as Speaker-of-the-Year by the Indiana Academy of Science, and will talk on "Progress in Resolving Food Safety Problems: Systematic Evaluation of GRAS Food Substances" at a number of locations in Indiana this year. Milos Novak spent the fall semester at the Max Planck Institute for Biology in Tübingen, in the Immunogenetics division of that institution while on sabbatical leave.

Richard Jacobson and Steve Wilson have left the department, the former accepting a research position at Rohm and Haas, in Philadelphia, and the latter a faculty position at New York University. Judy Harmony has accepted a faculty appointment at the University of Cincinnati Medical School. Zita Szabo resigned, effective December, 1981, to take a position at the National Institutes of Health.

Stan Hagstrom has returned to the department after 27 months with the National Resource for Computational Chemistry at Berkeley, California.

Art Clouse was given Emeritus status on July 1, 1980, after serving 18 years in his second career. Art retired from the Navy as an electronics technician, but the acquisition of an NMR spectrometer in the department in 1962 required an electronics expert with an inquisitive mind, and Art seized the challenge. After a short training course at Varian Associates, in California, he took on maintenance of the departmental N.M.R. facilities. He worked well with faculty and graduate students, advising the former on best techniques, and training the latter in use of the equipment. Under Clouse, and in cooperation with faculty specialists, the department acquired an international reputation in the field. His name appeared as co-author on many papers, and he was appointed Associate Professor in

Fig. 4. L. L. Merritt. Fig. 5. A. O. Clouse.

STAFF NEWS

James Allen accepted the position of Director of Business Affairs July 1, 1980, following the resignation of James M. Waters, who returned to the University of Illinois. Jim Allen was Officer-in-Charge of the Naval Ammunition Production Engineering Center at Crane, Indiana, reporting directly to the Navy in Washington, D.C. He headed a 100-man civilian organization responsible for ensuring the quality and specifications of all Navy ship gun ammunition and pyrotechnics. Jim holds a master's degree in electrical engineering.

The Staff Award for Outstanding Service, shared by Pat Chambers and Pat Stapleton, was awarded at the Honors Banquet. Chambers began work in the business office in 1962, and served as Graduate Office Secretary from 1966-1976, during which much of the record-keeping system for graduate students was developed. In 1976 she became a computer data processor, responsible for business office records. Stapleton joined the secretarial staff of the Graduate Office in 1975, and has been responsible for that office since 1976. Both of these ladies have given freely of their own time to help develop methods of record keeping, and to assist
graduate students and faculty in solving unusual problems. Congratulations to both Pats, and thank you.

Marie McCoy has retired, as of December 31, 1980. Marie came to the department to assist Glen Hepley with the stockroom records in 1956, and has continued in that capacity for 24 years. Syl Brown has also retired as of December 31, 1980. Syl worked first in the biology department, and then taught High School Chemistry at Spencer, before joining Walter Moore’s group as a research technician, about 1956. After Glen Hepley’s death, he was placed in charge of the stockroom, and continued in that capacity until retirement. Syl was known for the picnics he put on for P.U. and the department. Good luck, Marie and Syl.

Earl Sexton retired last February (1980) after 36 years with the I.U. Chemistry department. He started in the stockroom, but under the tutelage of Jerry Schmidt rapidly filled the need for a full-time glass blower. At a time when much of new chemistry required specially designed apparatus not available commercially, Earl established a glass shop at Indiana, and several of his assistants have accepted industrial jobs as glass-blowers.

GRADUATE OFFICE NEWS

(J. Hayes, Ed)

Professor Lawrence Montgomery served as graduate adviser for the 1979-80 school year. The graduate admissions committee was chaired by Professor Jack Crandall. A committee of seven graduate students representing the various subdisciplines was also active in providing information and advice to the graduate office.

The large change in the composition of the faculty during the past two years has made a significant revision of the departmental brochure—"Chemistry: The Graduate Program at Indiana University"—which describes the activities and physical facilities of the department. Copies of this brochure will be available upon request from the graduate office.

In the Fall of 1979 a "Modern Instrumentation Workshop" was arranged for students and faculty of nearby undergraduate institutions by Prof. Joe Gajewski as a way of improving relations with these "feeder" institutions. The cost to the department should pay long-range dividends in recruiting since it was well received and well attended.

The department received a grant from the Graduate and Professional Opportunities Program to support two qualified graduate students this year. The program, administered by the U.S. Office of Education, is intended to increase participation in the professions by students from "underrepresented" populations.

Last year we were also very successful in recruiting minority students with the help of a special Graduate School fellowship program for this purpose. We offered three black applicants combination fellowship-teaching assistant packages. All three of these individuals are currently enrolled in the department. If this program is successful and we are able to retain a nucleus of minority students, they should be most useful in both subsequent recruitment and providing a support group within the department.

Forty-two students were admitted to the department this fall. Four entering students had support from other sources: two from Simon Bolivar [Venezuela] and two who had Indiana University/Nankai University exchange fellowships.

FELLOWSHIP HOLDERS: We take great pleasure in reporting that George P. Lahn was the recipient of the Lubrizol Fellowship for 1979-80. Mr. Lahn completed his Ph.D. in August, 1980. His thesis research was with Prof. Richard Jacobson and involved the total synthesis of the natural product lithospermic acid. He came to I.U. in 1976 after having completed his undergraduate degree at the State University of New York-Oswego. Other fellowship winners were Kerry L. Blanchard and Richard D. England, who were awarded Medical Scientist Scholarships from the Insurance Medical Scientist Scholarship Fund; Mary E. Brawner, who received a biochemistry traineeship; and Giovanni Lipari, who received a fellowship from the Foundation Stiftelsen Blanceflor Boncompagni-Ludovisi, Sweden.

Foreign students with fellowships were Ahmed Al-Mutairy, who received support from the Saudi Arabian Educational Mission; and Bernardo Chataing-Nieves, Celinda M. Hernandez, Jose L. Jimenez and Daniel A. Morales who received fellowships from the Venezuelan government.

Graduate Student Fellowships were awarded to the following first-year students: James D. Avis, James F. Corning, Andrew G. Ewing, James E. Freeman, Peter B. Harrsch, Ann M. Hmolovsky, Keith L. March, Andrew W. Steele, and Timothy J. Woźniak.

ANNUAL AWARDS: At the Chemistry Honors Banquet this past spring the following students were recognized: for excellence in teaching, the AI Awards went to Joella Gordon, Mary Holland, Jeffrey Joens, Bradley Stone, and Loon-Seng Tan. The Robert Chernin Award, for outstanding C500 research, was given to a physical chemist, Jeffrey Joens.

The William Nebergall Memorial Award for Outstanding Graduate Research in Inorganic Chemistry was awarded to John A Marsella who is doing his research under Prof. Kenneth Caulton. The Dow Corning Award in recognition of outstanding research accomplishments was awarded to David Chandler. David finished his Ph.D. under Prof. George Ewing.

NEW PH.D.'S: Ph.D. recipients for the 1979-80 academic year were: Susan L. Bektesh [Biochemistry, J. P. Richardson], "Involvement of Rho Protein in Transcriptional Termination of a Cro RNA." Susan accepted a Postdoc with the University of Washington, Seattle. John E. Burks, Jr. [Organic, J. K. Crandall], "I. New Synthetic Methods for the Preparation of cis-1,2-Disubstituted Cyclopentanes. II. The Development of a β-Keto Sulfones as Synthons for Carbon-Carbon Triple Bonds. III. A Total Synthesis of Multidione, the Sex Attractant of the Brown Algae Cutleria multifida." John went to Postdoc at the University of Wisconsin, Madison, and is now a Postdoc at the University of Oregon, Eugene. David W. Chandler II [Physical, G. E. Ewing], "Vibrational Energy Storage and Transfer in the Liquid Cryogenic Systems CO, N2, N2-CO, Ar-CO, and Ar-CO-O2." David is now at Stanford University, Stanford, CA, as a Postdoc.

Stephen H. Friend [Biochemistry, F. R. N. Gurd], "Electrostatic and Hydrophobic Forces in Myoglobin and Hemoglobin." He is attending I.U. Medical School in Indian-

Fig. 7. David Chandler (left), Dow-Corning Award Winner. John Marsella, William Nebergall Memorial Award Winner.

Fig. 8. Jeffrey Joens (left) and Joella Gordon, Assistant Instructor Award Winners for 1979-80. Jeffrey Joens was also the Robert Chernin Award Winner for 1978-79 (awarded in 1980).

Fig. 9. Loon-Seng Tan, Mary Holland, and Bradley Stone, Assistant Instructor Award Winners for 1979-80.
apologies. G. Delbert Friesen [Inorganic, L. J. Todd], “Selanobaran and Tellurobaran Chemistry.” Delbert took a position with Kettering Research Laboratory, Yellow Springs, OH. David Yiu-Kwan Hui [Biochemistry, J. A. K. Harmony], “Modulation of Cell Behavior: Role of Membrane-Bound Plasma Lipoproteins.” He is currently a Postdoc at the University of California, L.A. James W. Jorgenson [Analytical, M. V. Novotny], “Investigation of the Nature of Chemical Messengers Used in Mammalian Communication.” Jim is now an assistant professor at the University of North Carolina, Chapel Hill.

Ryoko Kobayashi [Biochemistry, C. H. W. Hirs], “Studies on Procarboxypeptidase A and Its Complex with Zymogen E in Porcine Pancreatic Secretion,” has gone to Postdoc at the University of Colorado Medical Center, Denver. E. Eugene Lammi [Physical, A. Szabo], “Analytic Approaches to Atomic and Nuclear Physics.” He is a Postdoc at the Technical University of Munich, West Germany. Lee D. Lehman [Biochemistry, F. R. N. Gurda], “The Primary Structure of the Major Component Myoglobin of the Minke, Humpback and Goose-Beaked Whales.” Lee is currently attending the I.U. Medical School, Indianapolis.


Peter Mahaffy [Organic, L. K. Montgomery], “A Study of Several Short-Lived Molecules by Gas-Phase Electron Diffraction.” Peter is an assistant professor at Carleton College, Northfield, MN. Magdaleno Medina-Noyola [Chemical Physics, D. A. McQuarrie], “A Statistical Mechanical Study of the Restricted Primitive Model,” went to Postdoc at the University of California, Davis. Jose A. Moreno-Yanes [Biochemistry, H. R. Mahler], “Biochemical Studies on Muscarinic Cholinergic Receptors.” He is now with the Universidad Centro Occidental, Barquisimeto, Venezuela.


David W. Peterson [Analytical, J. M. Hayes], “High-Precision Mass Spectrometric Hydrogen Isotope Ratio Measurements.” David accepted a position with Hewlett-Packard Scientific Instruments Division, Palo Alto, CA.


M.S. RECIPIENTS: The following students recently completed the requirements for the M.S. degree. Anna S. Chu, Syva Pharmaceutical Co., Palo Alto, CA. Robert L. Hays, TVA in Tennessee, Astley R. McLaughlin, graduate student in Chemistry at I.U.; Frank Spillecke, Nordmannzelle, West Germany. Mohammed-Kamel F. Tawfik, returned to Egypt; and Irene C. Waight, chemist at Stanford University, CA.

UNDERGRADUATE OFFICE NEWS

(D. Peters, W. Willett)

1979-80 was a busy year in the Chemistry Undergraduate Office. A proposal for a new B.S. degree in Biochemistry was prepared. We are hopeful that this new degree program will be approved by the University and the State of Indiana Commission for Higher Education.

During the second semester of 1979-80 the Department had 448 undergraduate chemistry majors. We graduated a total of 150 students [118 with A.B. degrees—up 10 from 1979—and 32 with B.S. degrees—up 3 from 1979] during the year. Nineteen students participated in our Chemistry Honors Program and 44 students engaged in C409 Chemical Research [an undergraduate research program entailing up to 10 hours of credit and requiring a thesis]. Sixty-five graduating seniors went on to medical school, 11 to dental school, 13 to graduate work in chemistry, 15 to graduate work in other areas, and 28 to industry.

According to Chemical & Engineering News [April 28, 1980], the Department ranked second in the total number of bachelors degrees awarded during the 1978-79 school year and twenty-second in the number of certified B.S. degrees awarded during the same period.

The annual Chemistry Honors Banquet was held on April 17, 1980. The following undergraduate students were honored:

The Outstanding Senior Award [made possible by the Arts & Sciences Alumni Association Scholarship and Award Fund] went to Charles K. Moore. Francesca Perugini was awarded the 1980-81 Courson-Greeves Scholarship, and Marc A. Jones received the Frederick C. Schmidt Award. Peter G. D’Amour received the Joseph B. Schwartzkopf Award, and Gregory M. Georgiadis received an award from the Southern Indiana local ACS section.

Merk Indexes were presented to Brian D. Clarke, Renita A. Brown, and David D. Scheid.


Ira E. Lee Scholarships for full-time summer research for 1980 were awarded to Mark R. Anderson, John N. Caviness, Kenneth M. Fish, Francesca Perugini, Douglas A. Plautz, and Randall J. St. Pierre. Dow Chemical Company summer scholarships were awarded to Keith D. Bowersox, Renita A. Brown, Paul J. Lipson, and Shelly J. Whitlow.

Six students were recognized as superior in various freshman chemistry courses and received book certificates. Thirty-four chemistry majors were elected to membership in Phi Beta Kappa. Twenty-one senior, 16 junior, and 28 sophomore chemistry majors were on the Departmental Honor Rolls.


During the 1979-80 school year, Dr. Dennis G. Peters served as Coordinator of Undergraduate Studies and Holly Willett as Academic Counselor and Placement Office Manager.
NOTES ON THE 25th ANNIVERSARY REUNION

About 70 alumni and spouses returned for the reunion June 15 and 16. Our first letter, in July, gave an account of the formal program. Registration was held in the University Club on Sunday, June 15th, and registrants had a chance to visit, and see a slide show put on by Marvin Carmack which featured slides of the department and campus, going back to the Sulphur Symposium of 1951. Many of the visitors saw themselves at PLU picnics and Christmas parties of many years ago.

During the morning hours on Monday, a Big Red Bus tour of the campus was available, and in the afternoon, a department

Open House was chaired by Professors Gajewski and Hieftje. The inorganic group held a picnic at Cascades Park, sponsored by Ken Caulton. Before the banquet, held in the Georgian Room, many of the returning alumni attended a cocktail party at the home of Professor and Mrs. E. Campagne. At the banquet H. G. Day served as Master of Ceremonies, and Dean Ward Schaan, Acting Vice President of the Bloomington campus, talked about the state of the University. Awards were presented to the alumnus present at the banquet who came the farthest (H. W. Johnson, Ph.D. '76, Redwood City, CA) and the alumnus who graduated the longest while ago (Frank Dolian, Ph.D. '33).

The reunion was so well attended, by faculty and staff, as well as returning alumni, that we haven’t room to list all attendees here. It was generally agreed, however, that we ought to do it again sometime soon.

We are pleased to report that many alumni when visiting the campus, have stopped by Dr. Day’s office for a visit. Among them during 1980 were E. A. Au twey, BS’42; Elsa Proehl Paulson, MA’45; Max Brockman, Bob Johnson, BS’53; Mohammad Behforouz, Ph.D.’65; Nicholas Timm, BS’71; Charles, BS’47, MA’48, and Evelyn, BS’43, Brohman; and Phillip Coduti, BS’70.

CHINESE ALUMNUS VISITS INDIANA UNIVERSITY CHEMISTRY DEPARTMENT AFTER TWENTY-EIGHT YEARS

For two days in mid-November 1980, Professor Yun-Ti Chen (Ph.D. ’52) revisited the Department in which he completed his doctoral work under the direction of the late Professor William Nebergl. Dr. Chen is Professor and Associate Chairman of the Chemistry Department of Nankai University in Tianjin, Peoples’ Republic of China. Nankai University, which ranks next to Peking University as one of the top universities of China, is located about 100 miles southeast of Peking, near the seacoast. It has about 6,000 students and 3,500 faculty and staff members. Nankai University has several close ties with Indiana University. Dr. S. T. Yang, the 86-year-old President of the University, was Visiting Professor at Indiana University in 1946. Currently, two persons associated with Nankai are in residence in Bloomington and working in the Chemistry Department: Zhen Min Hu, working for his Ph.D., and Rui-Lian Shao, who is a visiting faculty member on leave. Mr. He is the son of Ping Lum Ho (Ph.D. ’52) and Ju Yu Chen, (Ph.D. ’52).

Dr. Chen is at present on sabbatical leave from Nankai University in the Chemistry Department at Northwestern University, where he spent two years (1952-4) as a post-doctoral research associate with Professor Fred Basolo.

Indiana University and Nankai University have recently reached an agreement under which exchanges of students and faculty may take place between the two universities.

NEWS OF ALUMNI

(H.G. Day, E. Greene)

Social Hours: With the ACS Spring Meeting in Houston in March 1980, the Social Hour was held in the Hyatt Regency and the following alumni found their way to the gathering: W. B. Beesley, AB’39; Tom Britton, BS’72; Wilbur Clarke, Ph.D.’62; William Coleman, Ph.D.’70; W. H. Cripe, M.D., AB’42, Lin Dorman, Ph.D.’61; Curtis Franz, MS’65; Delbert Friesen, Ph.D.’79; William Hodes, Ph.D.’52; Kent Hoffman, MS’74; Paul Hoffman, Ph.D.’75; Joe Leal, Ph.D.’53; Mary Ann DiPietro Lindahl, MS’70; M. L. Matson, Ph.D.’75; Fred Mattes, Ph.D.’68; Donald Maudling, Ph.D.’62; Donald Matthews, Ph.D.’75; Marshall Mead; Gary McNamara, Ph.D.’76; Frank Momany, Ph.D.’63; Donald Montgomery, Ph.D.’63; David Moody, Ph.D.’75; Phyllis & Rod Moss, Ph.D.’81; Bob
Patrick, AM’51; Mary Brewer Polanski, AB’79; Stanley Prince, PhD’71; Irving Rosen, PhD’51; A. R. Siedle, PhD’73; Mansuklal Wani, PhD’62; and John Wieser, PhD’74. The faculty present included Harry Day, Dennis Peters, Joan & Marvin Carmack, and Rile Schaefer, now at the U. of Wyoming, as well as current graduate students, Raymond Chen, Mark Anderson, R. Kump, and Tim Hanusa were also in attendance.

Remaining the ACS Meeting to Las Vegas in the fall resulted in a smaller group at the social hour but we are sure it was a good group. Among those present were Harold Burton, Mary K. Campbell, PhD’66; Jerry Carlson, BS’69; W. F. Coleman, PhD’70; Bob Fisher, PhD’71; H. Walter Johnson, PhD’76; Dave Leland, MS’73; Joe Leonelli, graduate student; Marshall Mead; Eric A. Maatta, PhD’80; Dave Moody, PhD’75; H. R. Pinnick, Jr., PhD’73; Richard Rietz, PhD’71; Bob Seidenwandel, MS’69; and Edward M. Yolk, PhD’73. Professors Campaigne, Malcolm Chisholm, Ken Cauloton, and Jack Shiner were present as well as several guests.

David Allman, BS’58, PhD’64, faculty member of the Department of Biochemistry at UI School of Medicine had a good year in 1980. He was promoted to Professor and also elected a member of the American Institute of Nutrition.

Chester M. Alter, AM’28, chancellor emeritus of the University of Denver received the American Judicature Society’s highest honor, the Justice Award, presented simultaneously to individuals who have made outstanding contributions nationally to improving the administration of justice.

Robert Bargmeyer, AB’64, has been promoted to Lt. Col. in the US Air Force and awarded the USAF Meritorious Service Medal for work with the joint service defense dissemination program, office of Space Division, LA. Now he is on the faculty of the AF Institute of Technology, Wright Patterson AFB, Ohio.

Ram Bedi, PhD’60, and wife Uma, with many other alumni were here for the alumni reunion. Later they travelled in their native India. Ram and his family have a small but valuable chemical manufacturing business in Michigan.

Bill Bromer, PhD’53, Research Advisor at Lilly Research Labs, continues to work in the forefront of biochemical developments. During the past three years his principal involvement has been in the big biosynthetic human insulin project at Lilly. Like so many other chemistry alumni, he and his wife Pat have important community commitments.

Leo Christy, BS’39, PhD’56, music department faculty member at the U. of Wisconsin, Eau Claire, for the past 24 years, retired this year. He was director of the school’s marching band from 1956 to 1963 and has since taught courses in music literature and history, bassoon, saxophone, and clarinet.

Phillip L. Coduti, BS’70, is Senior Research Engineer in the Research Laboratories of the Inland Steel Laboratories where in the first three years he has published several papers on surface chemistry analysis and corrosion protection. Prior to this work, based on his doctoral research in chemistry at the Illinois Institute of Technology, he published four definitive papers on structural and stereochemical aspects of sugars.

Ronald Collins, PhD’62, for the past several years head of the Department of Chemistry and recently appointed Associate Vice President for Academic Affairs at Eastern Michigan State University, and outstanding for his leadership in computers in chemical education, was given the Catalyst Award by the Chemical Manufacturer’s Association in 1980. This was for teaching excellence and outstanding contributions in chemical education. At I.U. his work was directed by the late William Nebergall.

Hollis Cox, PhD’67, has been appointed associate professor in the Department of Therapeutic Radiology at the University of Louisville School of Medicine.

Standiford Cox, AB’57, has been promoted to Director of Personnel at El Lilly and Company in Indianapolis.

Manfred Eigen, Visiting Scientist ’54, from the Max Planck Institute of Biophysical chemistry, Gottingen, West Germany, was the Patten Lecturer this fall on the campus, visiting and lecturing October 28, 29, 30.

Alan K. Engel, BS’74, has joined DuPont as a research chemist in the polymer products department. He earned a PhD degree from Rockefeller University, New York City, for studies on molecular motion in the fatty constituents of cells.

Bill Foye, PhD’48, has been unusually successful with his book, “Principles of Medicinal Chemistry.” The second edition appeared in January. A Japanese translation is being prepared and an Italian translation has been completed.

Samuel P. Gaskins, AB’67, has been promoted to the position of quality control manager at Pfizer, Inc., MPM Division facility in Valparaiso, Indiana. He transferred from the company’s Chemicals Division in Southport, NC.

James Groff, PhD’63, teaches and is productive in research in the College of Allied Health Sciences at Georgia State University. He is co-author of a new book, Nutrition: Principles and Clinical Practice (Wiley).

Edward High, AM’41, PhD’50, delivered the first Percy L. Julian Memorial Lecture at the Institute of Nutrition, University of North Carolina. The lecture was titled, “Nutritional Problems of the Seventies and Challenges of the Eighties,” and was presented in February.

Antrim H. Jones, AB’40, taught physics and chemistry in high school and the Detroit Institute of Technology, and then spent 32 years developing analytical chemical methods in color and flame atomic absorption spectroscopy for General Motors in Warren, Michigan, where he still resides.

Gunter Kuehl, PhD’57-59, was chairman of the South Jersey Section of the ACS in 1980. He and Mrs. Kuehl attended the alumni reunion.

Anna Julian, widow of internationally-known chemist Percy Julian, Hon. Sc.D.’69, has established a chemistry scholarship at DePauw University to honor Donald J. Cook, PhD’44, who after 35 years on the faculty at DePauw retired this year.

Ted Logan, AB’53, presented a seminar in Chemistry on “Supply/Demand for PhD Scientists” in October in conjunction with his recruiting visit on behalf of Proctor and Gamble.

James Mair, MS’70, is much involved with Rohm and Haas’ Research Division Industrial Hygiene program. He has been with the company since he left IU.

Tom Marquis, AB’61, as reported by Suzy, his wife, has had some excellent results in work on synthetic lubricants and oils at Texaco in Austin, Texas. This has led to more patents being issued to him than to any other employee.

Richard Maurer, PhD’55, will spend two years in the central research laboratories of the Unilever Company, Colworth, England. Following his return, the family will return to Canada and he will resume his work with Robin Hood Flour Mills, Ltd.

William G. Mays, AB’70, is president of the Mays Chemical Co., Inc. in Indianapolis.

Jeffrey A. Miller, BS’72, is in the genetic research laboratory of New England Nuclear Corp. after serving as a postdoctoral fellow in chemistry at the University of Rochester, NY.

Katherine Bork Moore, MS’75, is research chemist at Sprague Electric Co. in North Adams, MA.

Donald Paulson, PhD’68, was promoted to Professor of Chemistry at California State University at Los Angeles and was honored by receiving the University’s Annual Outstanding Professor Award.

Bliss Steve Phillips, AB’68, along with John C. Rankin, a co-worker, were among the first 14 federal inventors to share in license royalties collected by the U.S. Department of Commerce on government-owned patents in foreign countries. They developed a dry process for making plus-charged (cations) starches and Hores. Cationic products are used in paper to add strength and to help retain pigments.

John A. Ricketts, BS’48, has been named Chairman of the Chemistry Department at DePauw University in Greencastle, Indiana. He joined the faculty in 1952.

William S. Robinson, AB’56, son of Aline and Sid Robinson in Bloomington, with others at Stanford where he is Professor of Medicine in the School of Medicine, has made important advances in the treatment of hepatitis B.

Frances Rorrott, AB’17, has once more retired. In 1962, she retired as Director of Maternal and Child Health with the Arkansas State Board of Health and then was invited to work under the Catholic Relief Services to help improve health care in Latin America. She went, in December 1962 on a 1-year assignment as a CRS consultant to Guatemala. That year stretched on until at 84 she decided once more to retire. She was awarded the Pro Ecclesia et Pontifici Medal by Pope John Paul II for distinguished service...
carried out with conspicuous zeal.

Jim Schooley, AB’53, National Bureau of Standards, received NBS’s Gold Medal Award for research leading to new devices and procedures for assuring accurate thermometry in the temperature region below 10 Kelvin.

Lewis A. Walker, PhD’66, professor of chemistry at Goucher College, Towson, Maryland, received a faculty award for outstanding service to the college. The award is based on nominations from faculty and students.

Julie C. Yang, AM’52, has been with the W.R. Grace Company many years. In May she will visit her honored father, S. T. Yang who is President of Nankai University and still active in chemistry in China. Also, she will see Y. T. Chen and the P.L. Ho family (all 3 received degrees here) who are also members of the chemistry faculty at Nankai.

LIST OF FUND DRIVE DONORS (1980)

Honorary Research Associates ($500 or more): Ray F. Childers, PhD’72, Lisa S. Childers, MD’75, Gerald E. Doeden, PhD’65, Marjorie Kartinos, AM’46, N. J. Kartinos, PhD’47, Elma J. Lanterman, PhD’51, Kenneth W. Ray, PhD’26, Maxine Rowe, AB’40, Richard M. Slagle, AB’27, Robert J. Sydor, PhD’76.

$100 or more: Saul J. Abraham, AM’41, David K. Barnes, PhD’47, Ram D. Bedi, PhD’60, Lawrence A. Black, BS’77, Charles H. Boxman, AB’53, Carol Cavender, PhD’73, Hsien-Fu Cheng, PhD’57, Eugene S. Corner, AB’39, Staniford H. Cox, AB’57, John B. Dennis, AB’36, William W. Forgey, MD’75, Marvin E. Glidewell, AB’41, H.S. Gutowsky, AB’40, Richard Hailstone, MS’72, Felix Haurowitz, Hon, PhD’74, Hugh W. Hunter, PhD’37, Robert J. Kelly, BS’68, Arthur E. Lenser, Jr., PhD’55, Edith S. Lenser, PhD’56, Max M. Marsh, BS’47, Paul Mayfield, AB’25, William G. Mays, BS’70, Robert C. McHarness, AM’30, Frank B. Pope, PhD’40, J. Lon Pope, AM’52, Gerald W. Recktenwald, PhD’55, Irving Rosen, PhD’51, Rodolphe Rouhana, MD’62, Delmar C. Sanders, MD’72, George V. Tsoutsouris, AB’66, John Van Cleve, MAT’65, Verling M. Votaw, AM’26, Timothy J. Warfield, BS’72, John S. Wilson, AM’39.


NECROLOGY

James F. Dehn, BS’39, died 20 February 1978. He had worked for Kraft Foods Co. for 31 years and was Quality Control Supervisor at the time of his death.

Elmer S. Harvey, AB’25, died 11 October 1979. He had retired as area superintendent in the Grasselli Linden, New Jersey plant of DuPont.


William S. Keezer, MD, AB’42 died in 1980. He had practiced psychiatry in Kansas, California, Oklahoma, and Colorado. He had also written articles for various magazines under the name of Cy Martin.


Paul Rocky Osmon, DDS, AB’64, died 21 November 1979.

Lawrence R. Phillips, PhD’42, died at Oak Ridge, Tennessee, 2 December 1979. His research here was under the direction of E. W. Kanning and, after teaching at Alma College several years he moved to Oak Ridge to work in the Materials Evaluation Section of the Nuclear Division, Union Carbide.

Harry Williams, AM’47, died 4 September 1980 having been injured several months before in an accident while training for a bicycling tour of Bavaria. He was an accomplished, enthusiastic international bicyclist who had bicycled in such places as New Zealand, Fiji Islands, Puerto Rico, and in many parts of Australia, Europe, and South Africa. He was Editor of the RESONATOP (ACS Magazine of South Jersey Section) for 15 years. After completing his doctoral at U. Delaware, he worked for the DuPont Company until the time of his accident.

We have learned of the following deaths but regrettably we do not have the dates or further information on these alumni: Merle S. Clark, AB’21; Marion W. Dickover, AM’27; Dwight L. Farley, AM’25; Worth A. Fletcher, PhD’27; George Robert Griffin, BS’36; Clark Jahn, AB’22; Benjamin Kaufman, AM’33; Robert Porter Kirby, AB’31; Wendel D. Mason, AM’40, Bertha Mayfield, AB’36; Charles S. Snow, PhD’32.

REMEMBER!

SOCIAL HOUR FOR INDIANA UNIVERSITY CHEMISTS TO BE HELD MARCH 31, 1981, AT ATLANTA A.C.S.