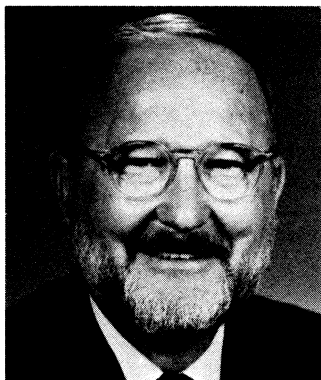




### FOUR CHEMISTRY GRADUATES RECEIVE UNIVERSITY RECOGNITION



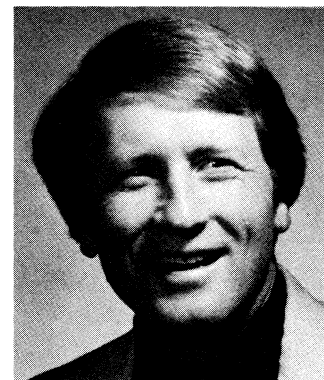
HARRY C. GATOS



HERBERT S. GUTOWSKY



WILLIAM M. LeSUER



WENDELL L. ROELOFS

During 1983 the University gave special recognition to four of the chemistry alumni as follows:

**Harry C. Gatos**, MA'48, was recipient of an honorary ScD in connection with the dedication of the William Hammond Mathers Museum April 21, 1983. On the following day he gave the Frank C. Mathers Lecture in the Department of Chemistry. He spoke on "Composition-Structure-Electronic Property Relationships in Semiconductors."

Dr. Gatos was Dr. Mathers' student in 1946-48, and a close bond was maintained between the two as long as Dr. Mathers lived. Dr. Gatos has made signal contributions in solid state science and has received many high recognitions, including the Acheson Award of the Electrochemical Society in 1982 and the NASA Award for Outstanding Scientific Achievement in 1975.

**Herbert S. Gutowsky**, BA Magna cum laude '40, was granted an honorary ScD at the IU-B Commencement May 7, 1983. Dr. Gutowsky has received virtually all the scientific recognitions that can be awarded, including the National Medal of Science in 1977. He is widely recognized for his basic and pioneering achievements in the development and application of nuclear magnetic resonance spectroscopy to chemistry, and he is noted for outstanding editorial services and administrative leadership in academic and governmental matters.

**William M. LeSuer**, PhD'48, was one of five outstanding University alumni to receive a Distinguished Alumni Service Award in 1983. He recently retired as senior vice-president for research and development for the Lubrizol Corporation.

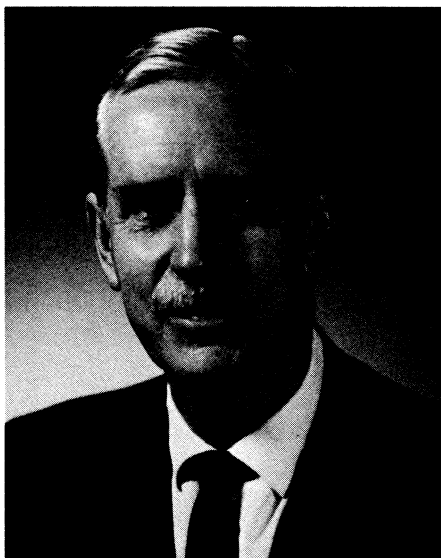
He holds 112 U.S. patents, most of which deal with dispersant-detergent additives in lubricants and fuels. His constant and meaningful loyalty to IU is notable. He was president of AIUC in 1955-56.

**Wendell L. Roelofs**, PhD'64, has received many recognitions since he was granted his PhD degree. At the annual College of Arts and Sciences-Graduate School Alumni Association meeting on campus in October 1983, he received the Distinguished Alumni Award in the category of Natural and Mathematical Sciences. This was primarily for his pioneering and break-through work in the chemical identification of insect pheromones and the discovery that species-specificity

depends often on exact ratios of isomers. He and his group have extended this basic knowledge in ways that have greatly extended knowledge of insect behavior, thus increasing the possibility of utilizing synthetic pheromone mixtures for the control of insects. In May 1982 Dr. Roelofs won the prestigious Wolf Foundation prize in agriculture for this work. The amount was \$100,000.

Dr. Roelofs is the Liberty Hyde Bailey Professor of Biochemistry at the New York State Agricultural Experiment Station, a Statutory College of Cornell University. He proudly bears the distinction of having been directed in his graduate work by E. Campaigne.

### DEDICATION OF GUCKER HALL



FRANK GUCKER—1967 photo

When the Herman T. Briscoe Quadrangle dormitory was dedicated in 1966, it was anticipated that eventually the two principal towers would be named in honor of worthy persons connected with IU. On September 22, 1983, one of the two was named Frank T. Gucker Hall and the other was designated Raymond L. Shoemaker Hall.

Speakers at the dedication included President John W. Ryan, Chancellor Herman B. Wells, and Harry G. Day, who spoke about Dean Gucker. Mrs. Gucker (Eleonore) and other close members of the Gucker family were present. Special note was made of Dr. Gucker's adherence to a firm schedule of devoting one-half his time to research in chemistry during the 14 years that he was dean of the College of Arts and Sciences. Reference was also made to the Frank T. Gucker Lectureship

(Continued on page 12)

## LETTER FROM THE CHAIRMAN

As most of you are probably aware, our building request was not approved in the 1983 session of the Indiana General Assembly. The Cyclotron addition was funded, so that the chemistry addition is now the second priority item in the University's capital request to the 1984 General Assembly, behind Phase II of the Law Building addition and remodeling. Presently things do not look encouraging; neither item is included in the appropriations bill. This is a real frustration as our enrollments continue to increase and the struggle to function in our dilapidated quarters gets more difficult each year.

In the last five years our undergraduate enrollments have increased by 32 percent, and our outside grant funding has increased by 227 percent to a total of \$4,934,389 for 1982-83. We have severe difficulties finding space for replacement faculty as new people coming in generally

expect and need better quarters than most of us here currently enjoy.

As announced in my last letter, Professor Ernest R. Davidson, PhD'61, is returning to Indiana in the fall. We have received funds to extensively remodel the west end of the second floor of the old building to house the Davidson research group, our other theoretical chemistry faculty, Professors Hagstrom, Langhoff, and Ortoleva, and their students, as well as the Quantum Chemistry Program Exchange operation under Dick Counts.

Included in this area will be an outstanding new departmental computing center, which has already been funded in part by the National Science Foundation. Additional funding requests are pending. Our plan is to have a system based on a VAX 11/780 and an FPS 164 which will be used mainly for quantum chemical calculations, but will be available

for regular if not heavy use by all members of the department. Remodelling is being planned by Harley Ellington to be in accordance with their earlier design for the new addition and later more extensive remodeling.

We are currently searching for replacements in Biochemistry for Dick Jaskunas, who left last year, and for Henry Mahler, whose untimely death last summer shocked us all and was a severe blow to our program in biochemistry.

I would again like to thank all of you who so generously responded to our request for donations to Friends of Chemistry last fall. This IU Foundation account is absolutely essential to us in purchasing special equipment, in helping to bring in new faculty, and in many other ways. If you have the opportunity to visit Bloomington, please come by the chemistry department to renew old acquaintances and to see how things are progressing here.

V. J. Shiner, Jr.  
Professor and Chairman

## AIUC REUNION

Seminars on chemical measurements and industrial academic relations provided the themes for 1983 AIUC Reunion last October. Alumni gathered at the chemistry building on Friday afternoon to hear presentations by **Jack P. Young**, PhD'55, **James W. Jorgenson**, PhD'79, **Dwight E. Matthews**, PhD'77, and **R. Mark Wightman**, associate professor of chemistry at IU.

The party then moved to Shawnee Bluffs, the IU alumni camp at Lake Monroe, where most of the speakers and participating alumni stayed. A barbecue dinner at Shawnee Bluffs (indoors, alas, because of rain) was highlighted by entertainment from a bluegrass band, Hawk Hubbard and the Skirtlifters, and a slide-show presentation, "IU Chemistry, Past, Present and Future," by Professor Emeritus **Marvin Carmack**.

The Saturday morning symposium featured presentation by **Jack Gill**, PhD'63, and **Eugene Cordes**, former chemistry department chairman. It was followed by a roundtable which included the speakers

and **Jack Arrington**, PhD'69, **Bryce Douglas**, Postdoc, 1955, and **Gary M. Hieftje**, professor of analytical chemistry.

Cordes, currently vice-president of biochemical research at Merck, Sharp & Dohme, summed up the session by noting that it is important for industries to keep in contact with the basic research and the best scientists in academia through supporting basic research and projects. Universities, in turn, are eager to obtain funding from industry for research because federal government support is showing signs of weakening. Cordes also mentioned that industry now spends about \$8 million per year in support of basic research, as opposed to the federal government awards of about \$6 billion in research grants.

The reunion festivities were capped by a wine-tasting hosted by Jack Gill and his company, Vanguard Associates, followed by a banquet and address by Gill on "Wine . . . Chemistry, Folklore, and Appreciation."



JACK GILL



BRYCE DOUGLAS and V. J. SHINER, JR.

### Association of Indiana University Chemists NEWSLETTER

is published annually for graduates of the IU Department of Chemistry by the Department of Chemistry and the IU Alumni Association, in cooperation with the College of Arts and Sciences-Graduate School Alumni Association, to encourage alumni interest in and support for Indiana University.

Bloomington, Indiana March 1984

ISSN 0191-5135

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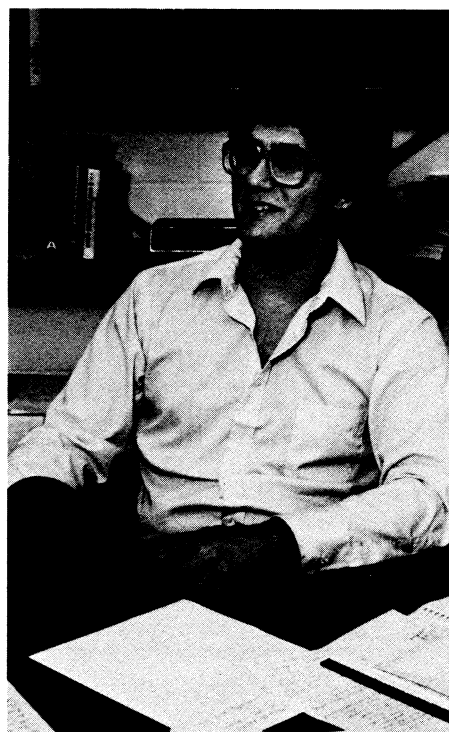
## DEPARTMENTAL DONORS

Listed below are the names of persons who made contributions to the department in 1983. Also indicated is the degree record for work in the department and the year; many of our alumni have subsequently received higher degrees from other institutions or departments. The department is proud of the loyal support of our alumni and grateful for their generous contributions last year.

Burton L. Appleton, PhD'55; Clayton H. Atkins, MA'67; Harold Atkins, BA'50; Charles R. Baker, MA'48; Joe Baran, BS'78; Jean C. Beckman, PhD'77; Ella M. Bettinger, BS'49; Lawrence A. Black, BS'77; H. J. Blumenthal, BS'47; Bruce A. Bowman, BS'81; Charles H. Boxman, BA'53; John M. Brown, MA'40; Helmut Brugman, BA'66; John T. Brundage, PhD'28; Charles A. Bunnell, BA'69; Robert R. Buck, BS'42; Kenneth Burck, BS'58; Harold F. Burdette, BA'39; J. Paul Burnett, PhD'61; R. Vincent Cash, PhD'52; Grace Py Chiu, Postdoc'62; John D. Christena, Sr., BS'43; Alan C. Clark, PhD'70; Richard H. Cole, BS'69; Ronald W. Collins, PhD'62; Donald J. Cook, PhD'44; Eugene S. Corner, BA'39; Standiford H. Cox, BA'57; Phillip J. Cahill, BA'63; Troy C. Daniels, PhD'29; Chester Davis, BS'44; Ralph A. Davis, MA'42; Joseph Dec, BA'36; John B. Dennis, BA'36; Burton Dietzman, MA'40; Gerald E. Doeden, PhD'64; Linneaus C. Dorman, PhD'61; Judith McKeivitt Douglas, MS'67; LeRoy Dugan, Jr., BS'37; Carl M. Eggman, MA'20; H. Eldridge Faith, BS'38; Robert N. Falge, BA'80; Joanna Dickey Ferguson, MA'33; Becca C. Fleischer, PhD'58; Sidney Fleischer, PhD'58; Elizabeth Fraser, BA'42; Charles E.

Frohman, MA'48; John A. Frump, BA'50; Hugh C. Gardner, PhD'75; Joe W. Garrison, MA'40; Vernon L. Geiss, PhD'67; Ernest Gerkin, PhD'37; Harry R. Gigous, MA'32; Robert H. Gillespie, BS'38; Charles H. Griffith, MA'54; Nancy Griffith, BA'67; Fred A. Griffiths, PhD'36; Herbert S. Gutowsky, BA'40; Charles W. Gwaltney, MS'66; Ruth Threlkeld Hall, MA'67; Evelyn S. Harte, BA'34; Miriam E. Hartzell, MA'46; David J. Hauber, MS'74; Phil Hidy, PhD'44; Zachary I. Hodes, BA'72; Neil E. Irick, BA'68; J. Martin Johnson, MS'70; Robert J. Kelly, BS'68; John G. Kester, BA'81; John R. Kindig, BA'73; Franklin S. King, BS'37; Richard M. Knapek, BA'67; Helen Kottlowski, BS'42; Jane C. Krauhs, PhD'75; Stanley W. Krauhs, Jr., MS'74; Nancy S. Krieger, BA'72; Paul E. Krieger, MS'65; Arnold W. Kunkler, BA'42; John L. Lawson, BA'31; William M. LeSuer, PhD'48; Joseph R. Leal, PhD'53; Arthur E. Lessor, Jr., PhD'55; Edith S. Lessor, PhD'55; Larry Lewis, PhD'80; Luan-Ho Lin, PhD'67; Mary Ann DiPietro Lindahl, MS'70; Wayne E. Livingston, BS'53; Ted J. Logan, BA'53; Andrew Loh, BS'71; Seth H. Lowell, BA'70; Edward T. Marquis, BA'61; Max M. Marsh, BS'47; William G. Mays, BS'70; Robert L. McAnally, BA'71; John C. Meade, BA'67; Wayne R. Merriam, BS'52; Fred M. Miller, PhD'35; Verlin L. Miller, MA'38; Raj N. Misra, PhD'80; Floyd B. Mitman, Jr., BA'39; Pearle A. Monroe, PhD'52; Ira A. Murphy, PhD'57; Mark E. Neff, BA'72; Kenneth Newnam, MA'31; Regina O'Connell, BS'70; John B. Patton, PhD'54; William Pitman, BA'48; Frank B. Pope, PhD'40; David P. Prather, MS'62; Richard D. Pruett, BS'50; Michael W. Rapp, PhD'68; Stokes S. Rawlins, MA'50; Avis Rector, MA'63; Wilmer T. Kinehart, PhD'40; Frank J. Rishe, BA'67; Darrell G. Rose, BS'65; Irving Rosen, PhD'51; Maxine Rowe, BA'40; Sharad S. Sathe, PhD'71; Alverta Sohl Schantz, BS'40; Ambrose F. Schmelzle, PhD'40; Mona Wilson Schoch, BA'39; James F. Schooley, BA'53; Bernard Searle, BA'49; Clarence J. Shoemaker, PhD'42; Gilbert M. Shull, BS'40; Allen R. Siedle, PhD'73; Alice Sievert, BA'50; Gerald T. Skowronski, MS'73; Meredith P. Sparks, MA'28; Margaret Stevenson, BS'40; James R. Thrasher, BA'74; Lella R. Trafelet, MA'38; John Van Cleve, MAT'65; Harry E. Vick, Jr., BA'42; Ronald A. Vierk, MA'77; David Wagner, BA'77; Elaine H. Waiss, BS'63; Timothy J. Warfield, BS'72; John C. Warner, PhD'23; Charles W. Weber, PhD'53; Joseph E. Weber, PhD'37; R. E. Weitzel, BA'40; Harold J. Wesselman, BA'40; Thomas A. White, BA'52; Charles F. Wilson, BA'78; Henry S. Wilson, PhD'38; Bernard M. Winner, BA'42; Jack P. Young, PhD'55; Jeanne L. Young, BA'47; and Morris Zimmerman, PhD'55.

## NEW FACULTY MEMBER



**Kenneth L. Busch** joined the faculty as an analytical chemist in the fall of 1983. He was born in 1953 in a NYU fraternity house. He received the BS degree from the University of Maryland in 1975 and the PhD in analytical chemistry from the University of North Carolina in 1979. In conjunction with Professor Maurice Bursley at UNC and Dr. J. R. Hass at the National Institute of Environmental Health Sciences, his work at North Carolina dealt with the fundamental aspects of negative ion mass spectrometry and its applications to environmental problems.

In 1979, Ken moved to Purdue University to join Professor R. Graham Cooks as a postdoctoral associate. After two years he accepted the position of assistant research scientist on the research staff at Purdue. In August 1983, as Ken says, "In search of a school with a winning basketball team, I moved to Bloomington." (At the time of this writing, Purdue leads Indiana in the Big 10 standings, but there is still much to come.)

Ken's research is concerned with the development of instrumentation for mass spectrometric experiments. Over the past few years, his research has led to studies in derivatization chemistry to prepare samples for analysis, to the construction of new geometrics for tandem mass spectrometry, and to the use of mass spectrometry as a synthetic tool. The new Kratos hybrid mass spectrometer, which arrived in the Department more or less simultaneously with Ken, is a mainstay of his research effort, as is a secondary ion mass spectrometer designed for the imaging analysis of paper and thin layer chromatograms.

## FAILURE 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 supplementary mailing list. Readers who know of others interested but not receiving the Newsletter should give us the correct mailing address.

A single dues payment confers dual membership in the **IU Alumni Association** and the **College of Arts and Sciences-Graduate School Alumni Association**.  
Single Annual-\$20    Family Annual-\$26  
Single Life-\$250    Family Life-\$350  
Make checks payable to IU Alumni Association, IMU M-17, Bloomington, Indiana 47405.

## NECROLOGY

**George Bulbenko**, PhD'58, died in August 1983. He was a refugee from the German invasion of Poland in World War II who came to this country at the end of the war and graduated from Hanover College. His graduate work at IU was directed by E. Campaigne, who wrote, "George was a fine gentleman, devotee of the arts, the theater and music, and we shall miss him." He was president of AIUC in 1967-68.

**Robert M. Cavanaugh**, MA'34, died May 31, 1983, in Wilmington, Delaware. Prior to his retirement in 1971, he had been director of research and development for the Explosives Department of DuPont. His doctoral work was done at Yale. He maintained close connections with the Department and other areas of the University. His father was a leader in the development of IU's regional campuses.

**Thaddeus W. Culmer**, MA'15, died during 1983.



The Chemistry Department was honored to receive a bequest in memory of **H. Arthur Doyal**, PhD '31.

Because Dr. Doyal wished to support research in chemistry, his sister, Violet Doyal West, contacted the department about the unrestricted gift.

Dr. Doyal worked as a chemist in New Jersey before family obligations brought him back to his home in Lebanon, Indiana, where he was a very successful poultry producer. He spent his retirement years in Brownsville, Texas, where he died in July 1982.

**Richard L. Hardin**, PhD'52, died May 15, 1983, in St. Francis Hospital at Peoria, Illinois. At IU Richard worked under the direction of F. Haurowitz. When he died, he was chairman of the department of chemistry at Western Illinois University. Prior to going to that University he was on the biochemistry faculty at the University of Louisville, then at the Medical College of Virginia, and at LaMar State College of Technology in Texas. During World War II he served in the U.S. Marines.

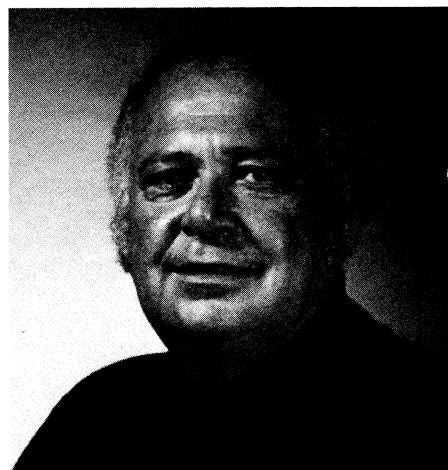
**Gina Perutz Haurowitz**, wife of Distinguished Professor Emeritus Felix Haurowitz, died of cancer June 2, 1983, at Meadowood, the IU retirement community where the couple had been residents approximately nine months. They were married June 23, 1925, in Prague, Czechoslovakia, their native city. They came to Bloomington in 1948 when Felix became a member of the Chemistry faculty. They were naturalized in 1952. There are two children, Alice Sievert and Martin Horwitt, both of whom have doctoral degrees. In Bloomington Gina quickly became a well known and highly appreciated member of the University community. She was active in various women's groups on campus. A number of designated memorial contributions were made by friends to the Indiana University Foundation for the Meadowood Memorial Fund, Friends of Chemistry, or Friends of Music. Felix continues to live comfortably at Meadowood, and he goes to his office in the Department several days each week.

**Norman L. Heckman**, MA'47, died January 31, 1983, at Collegeville, Indiana. He had been for many years a member of the faculty at St. Joseph's College in Rensselaer, Indiana.

**Herschel Hunt**, PhD'29, died July 20, 1983, at Lafayette, Indiana. Herschel became a member of the Purdue Chemistry faculty in 1930 and remained at Purdue until his retirement in 1942. He was honored with Purdue's Agricultural Alumni Certificate of Distinction for Teaching. In 1972 Oakland City College, his first alma mater, presented him with an honorary doctor of science degree.

**Henry R. Mahler**, who joined the IU faculty in 1955, died on July 1, 1983, at Woods Hole, Massachusetts. He was made Research Professor in 1966. Beginning in 1962 he was granted an NIH Research Career Award; in 1966 he became an NIH Research Career Investigator. His several international research appointments and lectureships took him to various prominent laboratories and institutions, including University of Paris, University of Sao Paulo, University College London, and University of Vienna. With E. H. Cordes he authored a well known textbook, *Biological Chemistry*. With several scores of former students, postdoctoral associates, and others he published approximately 300 research articles, book chapters, and other contributions to biological chemistry. As he wrote in the second edition of the book, his consuming interest was "to search for explanations for the phenomena of life in terms of interactions between the molecules characteristic of living organisms." His contributions toward this goal were exceptionally fruitful.

A memorial service was held on campus October 14, 1983. V. J. Shiner, Jr., presided. The speakers included F. Haurowitz, E. H. Cordes, Philip Perlman, PhD'71, and one of Henry's sons. Perlman was one of Henry's many outstanding stu-



HENRY R. MAHLER

dents. Henry's survivors include his wife Annemarie, one daughter, and two sons.

A fund in memory of Henry has been established. Contributions should be made to the Indiana University Foundation for the Henry R. Mahler Memorial Fund.

**John L. Rendall**, PhD'43, died January 22, 1983, in Greenville, S. Carolina. He came to IU from Iowa State College (University). His graduate work was done under the direction of John H. Billman.

**Morris L. Smith**, PhD'60, died September 9, 1983, in his home at Cerritos, California. Death was caused by a massive heart attack. The survivors include his wife Gerri and three sons. From May 1979 until his death he was laboratory director of Edgington Oil Company, Long Beach. The president of the company wrote that Morris was "a man of great warmth and a sense of humor—a real professional in his field." In his short time with the company he was effective in upgrading existing products and adding new or state-of-the-art products. From 1958 to 1966 Morris was with the Shell Oil Company, but in 1966 he and his wife decided that he should become a professional opera singer. From that time until 1976 he had leading dramatic tenor roles in a total of 375 performances in several opera houses in Germany and Austria. For three years he administered the Basic Skills Education Program in the Stuttgart, West Germany, area for the U.S. Army Education Service. He also taught basic chemistry and mathematics at the various Army Education Centers in the area. His research at IU was directed by V. J. Shiner, Jr.

## FACULTY NEWS

**John Bartmess** gave invited talks at the Physical Organic Gordon Conference in Wolfeboro, New Hampshire, in June 1983, and at the 7th Conference on Structure-Energy Relationships in Asilomar, California, in March 1983. We regret to

report that he will be leaving Indiana University in July 1984 to join the faculty of the University of Tennessee at Knoxville.

**Russell Bonham** gave an invited talk entitled "Elastic and Inelastic Scattering of keV Electrons" at the thirteenth International Conference on the Physics of Electronic and Atomic Collisions in Berlin, July 27-August 2, 1983. He also gave an invited talk at the International Symposium on Wavefunctions and Mechanisms from Electron Scattering Processes at Villa Montecucco Castelgandolfo, Rome, Italy, last July. His topic there was "High Energy Electron Scattering and Electron Correlation in Atoms and Molecules." Last December, Russell spoke by invitation on "Measurements of Secondary Electron Cross Sections by the Pulsed Electron Beam Time of Flight Method, I. Molecular Nitrogen" at the Workshop on Electronic and Ionic Collision Cross Sections Needed in the Modeling of Radiation Interactions with Matter at the Argonne National Laboratory.

**E. E. Campaigne** continues his activities with the Indiana Academy of Science. This year he completed a five-year term as chairman of the Indiana Academy of Science Research Grants Committee, which annually awards about \$20,000 in small grants to faculty, graduate students, and secondary school students in the State of Indiana. He was elected Speaker of the Year by the Academy. This entails giving a lecture to the annual meeting of the Academy and at four or five colleges in the state. So far he has lectured on "Drugs and the Mind" at the Academy meeting in Fort Wayne and at Taylor University. He will also talk at Indiana State University, Indiana University Southeast in New Albany, Hanover College, and at a Sigma Xi meeting in Bloomington. In addition, he has given research seminars at the University of South Florida, Tampa, and at the Eastern Tennessee local section of the American Chemical Society at Kingsport, Tenn. He recently completed a biography of Frank T. Gucker, Jr., former chairman of the IU chemistry department and dean of the College of Arts and Sciences.

**Malcolm Chisholm** continues to be active on the lecture circuit, giving over a dozen lectures at universities and industrial laboratories during the past year. He assumed the position of North American executive editor for *Polyhedron*, an international journal for inorganic and organometallic chemistry and sister to the well-known organic chemistry journal, *Tetrahedron*. The biggest news of the year, however, was the arrival of twin sons, Selby and Derek, on November 16, 1983. It now appears that Malcolm has lost his secretary, Cyndy, to his sons, who keep Mom busy and, at least for the time being, away from the office.

**Gary Hieftje** was a co-recipient of an "IR100 Award," given to recognize inventors of 100 most significant new technical products of the year by Industrial Re-

search and Development magazine. He spent the summer as a visiting professor at the University of Manchester Institute of Science and Technology, where he worked with Professor Gordon F. Kirkbright. Professor Kirkbright has started a new department at UMIST, the "Department of Instrumentation and Analytical Science," the first of its kind in the world. It was Gary's goal not only to work with Kirkbright, but also to see firsthand how a department oriented toward instrumentation and measurement would operate. Perhaps something similar can be initiated at Indiana University. While in England, Gary lectured at a number of institutions, including the Imperial College of Science and Technology, the Universities of Swansea, Loughborough, Leeds, and Strathclyde, and at Pye Unicam and British Petroleum. In addition, he presented an invited lecture at SAC 83, a biennial conference held at the University of Edinburgh under the auspices of the Society of Analytical Chemists, a branch of the Royal Society of Chemistry. During the summer, he was also a featured speaker, the only invited one, in fact, at the Colloquium Spectroscopicum Internationale, a biennial event held this year in Amsterdam. While on the continent, he also lectured at Finnigan MAT, in Bremen, West Germany. During the last year, Gary served on the program committee for the 1987 Colloquium Spectroscopicum Internationale to be held in Toronto, served on an external evaluation committee for the Chemistry Division of the Los Alamos National Laboratory, and was a member of the Visiting Committee to evaluate the chemistry department at the University of Georgia. He was chairman of the publication committee for the Society for Applied Spectroscopy and was appointed to Commission V-4 of the International Union of Pure and Applied Chemistry.

**Jay Kochi**, Earl Blough Professor of Chemistry, has left Indiana University to take an endowed chair at the University of Houston. The position at the University of Houston is endowed by the Robert A. Welch Foundation, which sponsors sixteen such chairs throughout the state of Texas. In an interview with the *Indiana Daily Student*, Kochi said: "Fundamentally, I feel I've been here too long. I know it's quite unbelievable for an academician to say that, because most like to get into institutions and be ensconced there for the rest of their lives.

"But I feel it's desirable to get new blood in and old blood out. It allows one to maintain vitality," he said.

"The department I'm going to is a lot worse off than IU, but, damn it, it's a challenge. I don't look forward to it—Houston is a big, lousy city—but I'll lend them my advice and help them develop," Kochi said.

**Peter Langhoff** was Visiting Professor at the University of British Columbia, Jan-

uary to April 1983, while on leave from IU. There he worked largely in collaboration with C. E. Brion. He spent the month of May by invitation at the Laboratoire pour l'Utilisation du Rayonnement Electromagnetique, Université de Paris, during which period he was invited to present a paper at the annual meeting of the Société de Chimie Physique, held at Mont Sainte Odile in the Vosges mountains. In June and July, he was an invited lecturer at the Gordon Research Conference on Atomic and Molecular Physics, held at New London, New Hampshire; was Visiting Research Scientist at the Max Planck Institut für Astrophysik in Munich; and gave an invited lecture at the International Workshop on Molecular Photoionization in Berlin. He spent the month of August in Boulder, Colorado, at the Joint Institute for Laboratory Astrophysics, where he has had a long-term collaboration with the NBS Data Center. Peter will participate in the upcoming National ACS meeting in St. Louis in April 1984 as an invited speaker and looks forward to meeting with IU alumni at the social hour.

**Lynne L. Merritt, Jr.**, continues to work for the University and the Department of Chemistry in various ways. During the spring semester of 1983 he taught C315, Chemical Instruments Laboratory I, with Gary Hieftje and this spring he is teaching C410, Instrumental Methods of Analysis II, on the IU Northwest campus at Gary. He is also chairman of the Search and Screen Committee for the Chancellor at IUNW. Lynne is one of the two IU representatives on the board of MUCIA (Midwest Universities Consortium for International Affairs) and is presently secretary of the Board. He is also administrative member from IU on the board of Associated Universities for Research in Astronomy and was elected by AURA in 1982 to serve a three-year term as a member of the Space Telescope Science Institute, operated by AURA under contract with NASA and located at Johns Hopkins University in Baltimore, Md.

**Milos Novotny** continues his active, world-wide participation in all aspects of chromatography. He received the James B. Hines Award "for significant contributions to chromatography" in 1983 in Chicago. He gave short courses on various aspects of chromatography in March at the Pittsburgh Conference at Atlantic City; in June at Melbourne, Australia; in August at Washington, D.C.; in November at the Eastern Analytical Conference at New York; and in January at Amsterdam, The Netherlands. He serves on the editorial boards of *Journal of Chromatography/Biomedical Applications* and the *Journal of High-Resolution Chromatography and Chromatographica*. Milos gave numerous invited lectures during the past year. Among these were lectures at the International Symposium on Capillary Chromatography, Riva del Garda, Italy;

International Symposium on Modern Liquid Chromatography, Baden-Baden, West Germany; International Conference on Detectors and Chromatography, Melbourne, Australia; Swiss Chromatography Conference, Burgenstock, Switzerland; Conference on Columns in High-Performance Liquid Chromatography, Cambridge, U.K.; International Symposium on Advances in Chromatography 1983, Amsterdam, The Netherlands; and the Workshop on Low-Dispersion Liquid Chromatography, also in Amsterdam. He delivered a plenary lecture at the Society for Analytical Chemistry, Royal Society of Chemistry, meeting in Edinburgh, U.K., in July and gave several invited lectures in Peking and Dalian in the People's Republic of China in July. In addition to the lectures and courses listed above, Milos somehow also found time to present seminars at Florida State University and Cornell University and at IBM Instruments, Ortho Company, Phillips Petroleum, Merck, and the Atlanta Chromatography Group.

**Charles Parmenter** received a medal and gave the Spiers Memorial Introductory Lecture at the April 1983 Faraday Society Discussion on Intramolecular Processes. He has just started a three-year term on the NSF Chemistry Advisory Committee.

**Vic Viola** is serving on many committees and advisory groups in the field of nuclear science. From 1981-83 he was a member of the nominating committee and a divisional representative to NSAC from the ACS Division of Nuclear Chemistry and Technology and is presently a member of the Division's Committee on Nuclear Chemistry Summer School. He was also a member of the nominating committee of the Nuclear Physics Division of the American Physical Society. He served on the Michigan State Superconducting Cyclotron Facility Users Group Executive Committee and the Lawrence Berkeley Laboratory Nuclear Science Review Committee from 1981-83 and was its chairman in 1983. Vic was rapporteur at the NAS-NRC Workshop on Future Directions in Transplutonium Elements Research, Panel on Nuclear Research, Washington, D.C., last March. He is presently chairman of the organizing committee for the Workshop on Nuclear Dynamics to be held in 1984 at Copper Mountain, Col. At Indiana University, Vic serves on the Research and Graduate Development Fellowship Review panel, the chemistry department's Curriculum Committee, chairman of the Committee on Undergraduate Affairs, coordinator of the Physical Chemistry Division, and chairman of the Chemical Physics Program. He is also a member of the IU Cyclotron facility's Committee on Professional Status. He was an invited speaker in the Department of Physics at Ohio State University and at Purdue University last April, as

well as the Seattle ACS Meeting, Division of Nuclear Chemistry and Technology. He gave two invited lectures at the XVth Masurian Summer School on Nuclear Physics, Mikolajik, Poland, in September 1983.

**Gary Wiggins** chaired the Special Libraries Association Chemistry Division during the 1982-83 fiscal year and arranged all programs of that Division for the New Orleans meeting in June 1983. Since January 1983, he has been a member of the ACS Division of Chemical Information Program Committee and is chairing one of the Division's sessions at the upcoming St. Louis national meeting. In the summer of 1983, Gary toured Yugoslavia for six weeks, accompanied by his wife, Mia, and their two boys.

## GRADUATE OFFICE NEWS

(P. Stapleton)

Professor **Paul A. Grieco** was graduate advisor and chaired the Graduate Admissions Committee during the 1982-83 school year. Serving with him as members of the Standards Committee were Professors **Chisholm, Hieftje, Montgomery, Parmenter, and Richardson**.

Because of the large class admitted in August 1982, the Admissions Committee set out in the fall of 1982 to recruit only 35 new graduate students. A total of 38 students started their graduate studies in August 1983. Evaluating the 350 completed applications were Professors **Caulton, Lewin, Reilly, Wightman, and Williams**.

**FELLOWSHIP HOLDERS:** The Department takes great pleasure in reporting that **Sing-Yuen Sit** was the recipient of the Lubrizol Fellowship for 1982-83. He completed his PhD in January. His thesis, "A Total Synthesis of (+)-Phyllanthocin," was done under the direction of Prof. **David R. Williams**. Sit, who transferred from Case Western University in June 1980, when Prof. Williams moved to Indiana University, received his undergraduate degree in Hong Kong. He has accepted a Postdoc position with Prof. G. H. Buchi at M.I.T. in Cambridge, Mass.

The Division of Analytical Chemistry of the American Chemical Society awarded a 1982-83 fellowship to **James E. Freeman**. Jim is completing his research on "Near Infrared Atomic Emissions" this spring under Prof. **Gary Hieftje**. He entered Indiana University in August 1979 after receiving his undergraduate degree from Allegheny College.

Other fellowship winners were **Edwin M. Horwitz**, who was awarded an American Diabetes Association summer fellowship; **Andrew G. Ewing** and **Stephen R. Springston**, who were awarded summer fellowships from the Division of Analytical Chemistry of the American Chemical

Society; **Keith L. March**, who was awarded a Medical Scientists Scholarship from the Insurance Medical Scientist Scholarship Fund; **Andrew L. Ratermann**, who was awarded a SOHIO fellowship; **Kathleen A. Cornely, Jennifer C. Gluckman, Rebecca K. Laguzza, Michael C. Trimarchi, and Terry M. Williams**, who received G\*POPs (Graduate and Professional Opportunities Program Fellowships); and **Jay N. Lozier**, who was awarded an American Medical Association fellowship.

Graduate School fellowships were awarded to the following: **Leonard J. Galante, Ricky D. Gaston, Brian C. Perry, and Duane E. Westerberg**. **Janet I. Ensrud** was awarded a College of Arts & Sciences fellowship. **Kevin G. Owens** and **Daniel A. Wilson** were awarded Procter and Gamble fellowships. **Mark R. Deakin, James L. Hoskins, and Nancy S. Marchant** were recipients of Dow Chemical fellowships. Chemistry Department fellowships were awarded to **Werner G. Kuhr** and **Stephen B. Lyle**.

Foreign students with fellowships were **Zhen-Min He**, IU/Nankai University Exchange fellowship; **Jose Goncalves, Rudolf R. Jaffe, Jose L. Jimenez, Daniel A. Morales, Adriano Parisi, and Nuria Parisi**, Venezuelan fellowships; and **Juan M. Flores**, National University of Mexico fellowship.

**ANNUAL AWARDS:** At the Chemistry Department Honors Banquet in April 1983, the following students received the Du Pont Associate Instructors Award for excellence in teaching: **David L. Clark, Kathleen A. Cornely, Jurjus Jurayj, Kristan Lenning, David B. Moss, Mary L. Patterson, Andrew W. Steel, and Daniel L. Zabrowski**.

The Robert Chernin Award, for outstanding C500 research, was given jointly to **David B. Moss** and **David E. Honigs**.

**Larry F. Rhodes** was awarded the William Nebergall Memorial Award for outstanding graduate research in inorganic chemistry. Larry is doing his research under the guidance of Professor **Kenneth G. Caulton**.

**RECENT PhDs:** PhD recipients for the 1982-83 academic year include the following. **Bruce A. Barner** (organic, D. R. Williams) accepted a Postdoc at Colorado State University, Fort Collins. **Kerry L. Blanchard** (biochemistry, J. P. Richardson) is attending medical school at Indianapolis. **James B. Burkholder** (physical, E. J. Bair) accepted a position with the Environmental Research Laboratories, National Oceanic and Atmospheric Administration of the U.S. Department of Commerce at Boulder, Col. **Gary W. Caldwell** (physical, J. E. Bartmess) is a Postdoc at the University of Alberta, Edmonton, Alberta, Canada.

**James A. Cleary** (analytical, D. G. Peters) took a job with Procter and Gamble

Co., Miami Valley Laboratories at Cincinnati, Ohio. **Sharon A. Coolican** (biochemistry, R. S. Gurd) went to the Department of Medicine, Indiana University Medical Center at Indianapolis, as a Postdoc. **Stephen W. Downey** (analytical, G. M. Hieftje) is a research scientist at the Los Alamos National Laboratories at Los Alamos, N. Mex. **Richard D. England** (biochemistry, R. S. Gurd) is in medical school at Indianapolis.

**Andrew G. Ewing** (analytical, R. M. Wightman) took a Postdoc at the University of North Carolina at Chapel Hill, **Gary V. Goeden** (inorganic, K. G. Caulton) is a research chemist with SOHIO in Cleveland. **Mark A. Green** (inorganic, K. G. Caulton) accepted a Postdoc with the Department of Radiology at Washington University, St. Louis, Mo. **Timothy P. Hanusa** (inorganic, L. J. Todd) is at the University of California, Irvine, as a Postdoc.

**Mary L. Holland** (analytical, M.V. Novotny) accepted a position with McNeil Pharmaceutical at Spring House, Pa. **Charles C. Kirkpatrick** (inorganic, M. H. Chisholm) accepted a position with Dow Chemical, Plaquemine, La. **Joseph Leonelli** (inorganic, M. H. Chisholm) is a Captain in the U.S. Army at the Aberdeen Proving Grounds, Maryland Chemical Systems Laboratory. **James R. Locker** (physical, E. J. Bair) is a visiting professor at Texas Tech University at Lubbock.

**Mohammad Soliman Mbarak** (organic, D. G. Peters) took a Postdoc at the University of Oklahoma, Norman. **Vicki L. McGuffin** (analytical, M. V. Novotny) accepted a Postdoc at Stanford University. **Donald F. McMullen, II** (organic, V. J. Shiner, Jr.) is with American Cyanamid, Wayne, N.J. **Thomas E. Neumann** (organic, V. J. Shiner, Jr.) took a position with Monsanto Company at St. Louis.

**Mark E. Noble** (inorganic, R.A.D. Wentworth) accepted a job as research chemist with Shephard Color Co., Cincinnati, and is now an assistant professor at the University of Louisville. **James G. Phillips** (organic, D. R. Williams) is in Syracuse, N.Y., working as a research scientist for Bristol Laboratories. **Dominick A. Quagliato** (organic, P. D. Magnus) went to Buffalo University, N.Y. as a Postdoc. **Francis J. Schwende** (analytical, M. V. Novotny) accepted a position with Upjohn Company at Kalamazoo, Mich.

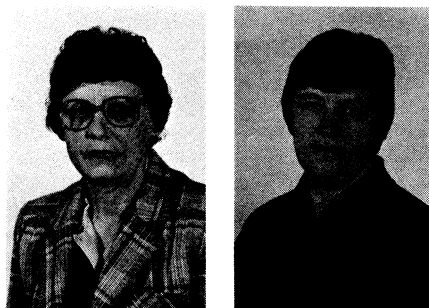
**John G. Shabushnig** (analytical, G. M. Hieftje) took a job with Plasma-Therm, Inc., Kresson, N.J., and is now with PT Analytical, Inc., Sunnyvale, Cal. **Roger G. Sorensen** (biochemistry, H. R. Mahler) is a Postdoc at Texas Christian University, Fort Worth. **Kenneth J. Stutts** (analytical, R. M. Wightman) accepted a position with Dow Chemical Co., Midland, Mich.

**James M. Warner** (organic, J. J. Gajewski) accepted a position with Monsanto Agricultural Products Co., St. Louis. **Kim W. Wedeking** (analytical, J. M. Hayes) is with the NASA/Ames Re-

search Center Chemical Evolution Branch, Moffett Field, Cal.

**MS RECIPIENTS:** The following students recently completed the requirements for the MS degree. **Shannon L. Bongers** (P. A. Grieco), Warner Lambert, Ann Arbor, Mich.; **Michael P. Doherty** (G. M. Hieftje), lecturer, Vincennes University, Vincennes, Ind.; **Mounir B. Elbadewi** (P. J. Ortoleva); **Jon Fong** (K. G. Caulton); **Jeffrey R. Janos** (M. H. Chisholm); **John-Yan Jaw** (P. A. Grieco), graduate student at Washington State University, Pullman; **Jerry P. Keilsohn** (G. M. Hieftje), Teqcom, Inc., Rockville, Md.; **Jeffrey P. Kiplinger** (J. E. Bartmess), graduate student at Indiana University; **Doreen H. Mar** (R. S. Gurd), medical student at Indianapolis; **Christian Pradat** (J. K. Crandall), granted a MBA degree in Business from IU and returned to France; **Paul A. Tuthill** (P.A. Grieco), ICI America, Del.; **Katherine L. Wall** (R.A.D. Wentworth), on faculty at Indiana University-Northwest, Gary.

## STAFF AWARDS FOR 1983



BETTY GRUBB

CLARICE MOSER

At a special faculty/staff meeting on April 1, 1983, two staff awards were announced. **Betty Grubb** and **Clarice Moser** were named recipients of the award, which carried a monetary value of \$250 each.

Beginning in February 1964, Betty Grubb worked as research secretary and laboratory technician to Dr. Felix Haurowitz. Two years later she added duties in the main office for William Streib. In 1968 she became departmental colloquium secretary for about three years before beginning work for Dr. Bonham in 1971. She is now research secretary to Drs. Bair, Bonham, Reilly, and Viola.

Clarice Moser started work in the Department of Chemistry in March 1961 as the receptionist/clerk typist in the main office. In 1964 she transferred to the freshman office as secretary and worked there until October 1971. She returned to the department in May 1978 and worked for the research group that included Drs. Caulton, Chisholm, Haymore, Todd, and Wentworth. Her present group still includes Drs. Caulton, Christou, Todd, and

Wentworth, as well as the well-being of all participants in the sixth-floor inorganic group.

## UNDERGRADUATE NEWS

(W. T. Jenkins and H. M. Willett)

During the second semester of 1982-83 the chemistry department had 512 undergraduate chemistry majors, compared to 486 second semester of 1981-82. We graduated a total of 120 students—93 with BA degrees (down 4 from 1981) and 27 with BS degrees, of whom 19 were BS Chemistry and 8 were BS Biochemistry (down 10 from 1982). The first semester of 1983-84 we had a total of 551 undergraduate chemistry majors.

Sixteen students participated in our Chemistry Honors Program during 1982-83, and 27 students engaged in C409 Chemical Research, an undergraduate research program entailing up to 10 hours of credit and requiring a thesis. Thirty-eight graduating seniors went on to medical school, 12 to dental school, 10 to graduate school in chemistry, 15 to graduate work in other areas, and 26 to industry.

Ball Corporation, Dow Chemical Company, the Drug Enforcement Agency, Mead Johnson Company, and the National Bureau of Standards participated in the Chemistry Cooperative Education Program. Seven chemistry majors had work assignments which they found to be interesting and worthwhile.

The annual Chemistry Honors Banquet was held on April 8, 1983. The following undergraduate students were honored:

The Outstanding Senior Award (made possible by the Arts & Sciences Alumni Association Scholarship and Award Fund) went to **Mark R. Anderson**. **Mark R. Wallace** was awarded the 1983-84 Courson-Greeves Prize, and **Laurie Jill Hast** received the Frederic C. Schmidt Award. **Rodney J. Folz** received the Joseph B. Schwartzkopf Award, and **Julie M. Freelin** received an award from the Southern Indiana Local ACS section. **Denise A. Johnson** was the recipient of the Dow Award.

Merck Indexes were presented to **Gregory B. Elsner**, **Laura A. Papach**, and **Eric A. Wachter**.

The R. J. Grim Scholarship recipients for 1982-83 were **Robert L. Bergren**, **Jeffrey A. Ferguson**, **Rodney J. Folz**, **Julie M. Freelin**, **Clifford I. Kim**, **Tadd L. Loucks**, **Shari A. Owen**, **Jeffrey C. Pauloski**, **James M. Platis**, **Hooman Sedighi**, **Anita D. Spitz**, **Robert O. Stuart, II**, and **David A. Winiger**.

Ira E. Lee Scholarships for full-time summer research for 1983 were awarded to **Andrew L. Deputy**, **James E. Pierce**,

**Eric A. Wachter**, and **Mark R. Wallace**.

Dow Chemical Company Scholarships for full-time summer research for 1983 were awarded to **John M. Apathy**, **George A. Nasser**, and **Francis W. Tomasic**.

Six students were recognized as superior in various freshman chemistry courses and received book certificates. Twenty-seven chemistry majors were elected to membership in Phi Beta Kappa. Seventeen seniors, 17 juniors, and 39 sophomore chemistry majors were on the departmental honor rolls.

In 1982-83 the Chemistry Placement Office hosted 24 companies, which conducted a total of 395 interviews. These included American Cyanamid Company, AMOCO Research Center, ARCO Petroleum Products Co., Division of Atlantic Richfield, Ball Corporation, Baxter Travenol Laboratories, Berlex Labs, Calgon Corporation, Dow Chemical Company, E. I. du Pont de Nemours & Co., Eli Lilly and Company, General Electric Company, Hercules Incorporated, 3 M Center, Merck Sharp & Dohme, Monsanto Company, Nalco Chemical Company, Pfizer Incorporated, the Procter & Gamble Company, Rohm and Haas Company, the Standard Oil Co. (OHIO), Stepan Chemical Company, Union Carbide Corporation, the Upjohn Company, and Western Electric Company.

Twenty-six companies have interviewed through the Chemistry Placement Office during the 83-84 recruitment season. **Holly Willett** continued as Chemistry Placement Office Manager and as academic counselor.

After nine years of service, Dr. **Dennis G. Peters**, Briscoe Professor of Chemistry, resigned the position of Coordinator of Undergraduate Studies. During those years the number of undergraduate chemistry majors rose from 275 to 512, the Chemistry Cooperative Education Program was established, the BS Biochemistry degree program was approved and is now successfully launched, the Chemistry Placement Office grew significantly, and a program to offer college-level chemistry in selected high schools was established. These were years of growth and achievement which were appreciated by both students and faculty.

Dr. Peter's successor, Dr. **W. Terry Jenkins**, a biochemist whose specialization is in enzymology, has been at Indiana University since 1966. Dr. Jenkins had previously served as the chemistry graduate advisor and had been a member of the Chemistry Undergraduate Committee.

## NEWS OF ALUMNI

(H. G. Day and E. M. Greene)

Chemistry alumni and others with interests in the Department are encouraged to maintain **MEMBERSHIP IN THE IU**

**ALUMNI ASSOCIATION**. It costs relatively little, and it benefits the individual as well as the department and University. The association is important in the preparation and distribution of the AIUC newsletter, and it is important to us in other ways.

**SOCIAL HOURS**. Those present at the *Alumni Social Hour during the ACS meeting in Seattle in March 1983* included the following who signed the register: **Aziz Abbaspour**, PhD'82, now at Purdue; **Robert Ake**, BA'60 from Old Dominion U., Norfolk, Va.; **Paul Dorain**, PhD'54, living in New Haven, Conn.; **Thomas Gnewuch**, PhD'66, Green Lake, Wis.; **Frank Guthrie**, PhD'62, Terre Haute; **George Kriz**, PhD'66, Bellingham, Wash.; **Ted Logan**, BA'53, Cincinnati, Ohio; **Marshall Mead**, Silver Spring, Md.; **Judy and Fred Metz**, PhD'62, Falls Church, Va.; **Royce Rasmussen**, post-PhD'62-'63, Spring House, Pa.; **Irving Rosen**, PhD'49, Cleveland, Ohio; **Mike Schuyler**, PhD'70, Corvallis, Ore.; **Veronica and Allen Siedle**, PhD'73, Lake Elmo, Minn.; **Marlene Stanford**, BS'74, Barrington, Ill.; **Jimmy Tai**, PhD'80, Terre Haute; **Jay Young**, BS'39, Silver Spring, Md.; and **Jeanne and Jack Young**, PhD'55, Oak Ridge, Tenn. **Jack Shiner**, **Lynne Merritt**, and **Gary Hieftje** signed representing the faculty.

*The Social Hour at the Washington Hilton in August 1983* found a small group of our alumni signing the register: **William (Flick) Coleman**, PhD'70, Wellesley, Mass.; **Wilson DeCamp**, BS'60, FDA in Washington; **David Dolson**, PhD'81, Rochester, Minn.; **H. Walter Johnson**, PhD'76, Redwood City, Cal.; **John Marsella**, PhD'81, Allentown, Pa.; **Max Marsh**, BS'47, Indianapolis; **Judy and Fred Metz**, PhD'62, Falls Church, Va.; **Rex Pendley**, PhD'82, Silver Spring, Md.; **Jim Wolfe**, PhD'63, Virginia Tech. Among the faculty and former faculty were **Malcolm and Cyndy Chisholm**, **Walter Moore**, **Jack Shiner**, and **Steve Wilson**. **David Clark**, **David Hoffman**, **Nancy Marchant**, and **Bob Tatz**, current graduate students, were there also.

**VISITORS TO THE DEPARTMENT**. Alumni who visited the Chemistry Alumni-Archives office in 1983 included **Charles Baker**, MA'48, Indianapolis; **Robert Bargmeyer**, BA'64, Spring Valley, Ohio, a career Air Force officer and Air Force instructor; **Ram Bedi**, PhD'60, Birmingham, Mich.; **Ludwig Brand**, PhD'60, Baltimore, Md.; **Frank Kratli**, MA'33, who is now a resident of Meadowood, the retirement community near the Bloomington campus; **Harry Gatos**, MA'48, from MIT, who was here for the dedication of the W. H. Mathers Museum and to receive an honorary degree from IU; **William LeSuer**, PhD'48, Cleveland, Ohio, who was here to receive the Distinguished Alumni Service Award; **Jim Luthy**, MAT'67, Marietta, Ohio; **David Lydy**, BA'58,

Cincinnati, Ohio; **Max Magnabosco**, BA'74, Brownsburg; **Guy Gene McLemore**, MA'60, Beechmont, Ky., who has been traveling a great deal since he retired; **John Morgan**, BA'63, Cincinnati, Ohio; **Herbert** PhD'60 and **Geraldine Germek** BS'59 Moss from Yardley, Pa.; **Jerry Recktenwald**, PhD'55, Allentown, Pa.; **Wendell Roelofs**, PhD'64, Geneva, N.Y., who was here to receive a Distinguished Alumni Award from the College of Arts and Sciences-Graduate School Alumni Association; **James Schooley**, BA'53, Gaithersburg, Md.; **Ryu Shinke**, post-PhD'59-'60, Kobe, Japan; and **George Tsoutsouris**, BA'66, Munster, Ind.

We are always glad to have alumni and old friends visit the department when they are on campus and drop by the Alumni-Archives Office to visit and renew acquaintance.

**Aziz Abbaspour**, PhD'82, is doing post-doctoral research on the synthesis of natural products in the Department of Medicinal Chemistry at Purdue University, in association with Professor Cushman.

**Paul Douglas Armstrong**, BS'63, has moved from Union University to Pikeville College in Kentucky.

Three years ago **Bennie Arnwine**, graduate student '52-'53, moved to Dallas, Texas, with Mobil R&D. He has responsibility for Plant and Financial Operations in their new laboratories.

**David K. Barnes**, PhD'47, and Martha came back for Alumni Weekend in 1983, in part to congratulate **Bill LeSuer**, PhD'48, who received the Distinguished Alumni Service Award. Dave received the same award the year before. He writes that at DuPont "the partial economic recovery has made life a little less hectic."

In January 1983 **Jean Beckman**, PhD'77, assistant professor of chemistry at the University of Evansville, was invited to give a "last lecture," one of a series of public lectures by outstanding faculty members who are selected for the honor by students in the Blue Key honor society. Her theme was "Make Bread—Not Bombs," and she spoke about her convictions as a peacemaker and her experiences as a baker with Patchwork, an interdenominational community development agency in Evansville. She recently was promoted to associate professor.

**Ram Dev Bedi**, PhD'60, and family continue to do well in their chemical manufacturing business at Birmingham, Mich. The sales in 1983 increased by about 50 percent over 1982, primarily owing to economic improvements in the auto industry. They are anticipating further growth. The two sons are graduate students in chemistry.

**James H. Beeson**, BS'62, is now associate professor in Maternal-Fetal Medicine, in the Department of Gynecology and Obstetrics, Tulsa Medical College, University of Oklahoma Health Sciences Center, Tulsa, Okla. After taking



his PhD in chemistry at MIT, Jim worked with Jack Gill in analytical instrument development at Varian Aerograph in California, later with Miles Laboratories in Elkhart, Ind.

He then entered medical school in Chicago, completing his residency in that city, then worked for several years in the Medical School of the University of Utah before accepting his present position in Tulsa. Jim and his wife Merry have two sons, Geoff and James.

**Mohammad Behforouz**, PhD'65 and **Nancy Cook Behforouz**, BA'66 (who earned her PhD in Public Health from Harvard) have now established residence in Muncie, Ind., where both are faculty members at Ball State University, Mohammad in chemistry and Nancy in biology. They have three children, Heidi, Michael, and Kavon. Mohammad has received grants in support of his research in synthesis of natural products.

**Samuel M. Berkowitz**, MS'63, and Gladys have moved from Georgia to Charlotte, N.C. Sam is responsible for marketing and sales in the Chemical Division of United Merchants. They have two children, Leah and Michael.

**Stephen Bonsib**, BA '72, MS'76, is now assistant professor of pathology at the University of Iowa Medical School in Iowa City.

**Ray E. Boucher**, PhD'50, lives on a golf course at Naples, Florida, from November to May and on another course at Linville, N.C., from May to November. When does he work?

**Max Brockman**, PhD'46, physiology, and Helen continue to live in retirement in Mexico. He maintains contact with the branch of the Monterray Institute Technology in Quaretero. In 1983 they traveled extensively in this country and in some of the USSR satellite countries. Max did his graduate work under Ted Stier in physiology, but he spent so much time in chemistry he is one of our "boys." In Bloomington during May he got to see Ted, who, like the Days and Felix Haurowitz, lives at Meadowwood, the IU retirement community.

**Bill Bromer**, PhD'53, continues productively at Lilly in basic research. Pat, his wife, is still volunteering usefully in crisis and suicide work. They have a lovely home in northwest Indianapolis. One son, Bill, Jr., is finishing his graduate work at Purdue.

**Richard T. Cady**, PhD'52, although retired from DuPont, has been teaching some computer classes and recently has begun consulting for DuPont in a computer project for training new technicians. He can do much of his work at home.

**Anthony T. Campagnoni**, PhD'68, is professor of chemistry at the University of Maryland. Since 1981 he has been a member of the American Society of Biological Chemists. One of his students in biochemistry last fall was Jack Sharp, son of **Charles Sharp**, PhD'66. Both Anthony and Charles were doctoral students

of the late Henry R. Mahler.

**Vincent Cash**, PhD'52, and Marjorie in 1983 enjoyed a five-week trip to Europe as well as a long visit with different relatives in Minnesota. In Strasbourg, France, they visited one of Vince's former students and her husband, Thomas Arrhenius. Thomas is a great grandson of Svante Arrhenius. His mother was a Hevesy. The IU alumni have exciting connections.

**Osmund Tak On Chan**, BS'72, has established a practice in otolaryngology, head and neck surgery, in Los Angeles. Osmund studied medicine at Northwestern Medical School and had his residency at Cook County, Ill., Hospital.

**Frank Cheng**, PhD'57, has been in nuclear medicine at the University of Iowa since he completed his work here under the direction of Distinguished Professor Emeritus Haurowitz. In 1983 he attended an international meeting in Japan. He then visited his birthplace in Shanghai, China, for a reunion with family members 34 years after he left China. While in Shanghai he delivered several scientific and medical talks. His oldest daughter Pearl is married; the other two daughters are students at Brown University.

**Ralph Christoffersen**, PhD'64, assumed the directorship of the new Biotechnology Research Program of the Upjohn Company in Kalamazoo.

**Richard Clevenger**, MS'59, has left his faculty position in chemistry at East Texas State University in Commerce, and, in partnership with his wife, Martha, has established a printing business in Commerce.

**Richard Cline**, PhD'51, and his wife, Janet, went on a tour of England and Scotland this past fall. He is on the staff of the Communicable Disease Center and lives in Norcross, Ga. His son, Ken, graduated from IU in journalism, and is now in North Yemen writing about village life for the Institute of Current World Affairs.

**Ronald W. Collins**, PhD'62, in 1983 was elevated from associate vice-president for academic affairs at Eastern Michigan University to provost and vice-president for academic affairs. He became head of the chemistry department at EMU in 1979. In 1977 EMU presented him with its distinguished service award for excellence in teaching. In 1979 his first alma mater, the University of Dayton, gave him its Alumni Association's special achievement award. In 1980 he received the Chemical Manufacturers Association Catalyst Award.

**Carl W. Cotman**, PhD'68, and associates at U. California, Irvine, continue to receive media attention as well as scientific recognition for their knowledge concerning brain grafts and brain regeneration. Their work is given prominence in a lead article in *Discover*/February 1984.

**Charles (Chip) Davis**, BA'78, is now account manager for Schenectady Chemicals, Inc., with headquarters in Houston. The company is a supplier of oil-field emulsion breakers and surfactants.

**Charles H. Davis**, BS'60, dean and professor of library and information science, University of Illinois, has been named honorary consultant to the National Science Council of the Republic of China. Charles is currently president of the American Society for Information Science. He delivered the keynote speech at the First Asian Pacific Conference on Library Science, Taipei.

**Chester Davis**, BS'44, who still lives at Newport, Ky., underwent ear surgery in late 1983. He is responding well, but without improvement in hearing. His long-continuing battle to gain recognition and compensation for infringement on some of his patents finally is being tried in Federal court this year. He is extraordinarily persistent, well armed with evidence, and resourceful.

**Anil K. De**, post-PhD'52-'54, spent about 10 weeks in this country as a participant in the Indo-U.S. Cultural Exchange Program. This included visits to several universities. He is the Founder-President of Indian Society of Analytical Scientists at Bhabha Atomic Research Centre, Bombay.

**Robert Degeilh**, PhD'55, and family live in LePort Marly, near Paris. He, perhaps accompanied by his wife, expects to attend the ACS meeting in St. Louis early in April. They may come to Bloomington before returning to France.

**Alan Dinner**, PhD'70, is now director of product development at Eli Lilly in Indianapolis.

**Clarence A. Discher**, PhD'47, and Benny live on a 200-acre family farm in central Wisconsin, but they do no farming. Instead they enjoy country life and they travel each year, as they have since 1973, when he retired from Rutgers University. In 1983 he rewrote his inorganic medicinal chapter for the new edition of *Remington's Pharmaceutical Sciences*. Clarence was one of Dr. Mather's last doctoral students.

**D. M. Doddrell**, post-PhD'70-'71, and some of his colleagues have been achieving considerable success in measuring in vivo the changes occurring in the  $^{31}\text{P}$  spectra of various tumors implanted in mice on growth in the presence of anti-cancer drugs. It seems to have high promise. He now holds a personal Chair at Griffith University at Brisbane, Australia, and is engaged in establishing Australia's first clinical NMR imaging facility.

**Gerald E. Doeden**, PhD'65, and family are rejoicing that he responded so well to bypass (6) heart surgery in September. He is a member of the chemistry faculty at Ball State University.

**David Dolson**, PhD'81, is a research scientist with General Motors at Warren, Mich.

**Linneaus Dorman**, PhD'61, 23-year employee of Dow Chemical, has been appointed associate scientist at Dow Central Polymer Research Lab. He and an associate were honored earlier in the year with the Lab's 1982 "inventor of the year"

award for work on filled composites. During the sixties his work on synthesis of polypeptides earned company citations.

**Bryce Douglas**, post-PhD'53-'55, is now vice president for science and technology, Smith Kline Beckman Corporation, Philadelphia. He participated in the roundtable discussions on academic-industrial relations during the recent reunion of IU chemistry alumni. This subject is of special interest to Bryce, since he served as a rapporteur at the major national conference on university-corporate relations in science and technology held in December 1982 at the University of Pennsylvania and funded by SKB Corp. The presentations at this conference have been published by the University of Pennsylvania Press as a book, entitled *Partners in the Research Enterprise. University-Corporate Relations in Science and Technology* (1983).

**Judy McKeivitt Douglas**, MS'66, coordinates the alcohol education program at Gustavus Adolphus College, St. Peter, Minn. She teaches a class in drugs in society, and has produced a videotape entitled "The Choice is Yours: Alcohol and the College Student." She serves on the executive board of the Minnesota College Personnel Association, and is a member of the Chemical Education Task Force of the Lutheran Church.

**Lawrence Einhorn**, BA'65, received the American Cancer Society's Medal of Honor. He is head of the Medical Oncology Section of the Indiana University School of Medicine and is a leading cancer researcher, having developed a treatment for "small cell" cancer of the lung in 1975.

**Richard Ellis**, PhD'67, has done a lot of travelling in Europe this past year for the Department of Agriculture. His son, Greg, is a student at IU.

**Kathleen Flanders**, PhD'83, has taken a postdoctoral position at the VA hospital in Cleveland.

**Edmund Flexman**, PhD'67, was the leader of a research group in the Polymer Chemicals Department of E.I. DuPont de Nemours & Co., Wilmington, Del., that has developed a new family of important industrial engineering polymers, to be known as Delrin-ST and Delrin-T. Utilizing a relatively new principle of alloying polymers having different chemical and physical properties to gain new and valuable characteristics, Flexman's group combined the polyacetal Delrin, which has been used for about 25 years, with an elastomer to form a series of polymers with greatly increased (as much as 8-fold) toughness, or resistance to cracking. The classic Delrin polymers have long been known for their resistance to water and chemical solvents, their ready moldability to precise dimensions, and their self-lubricating properties. The added toughness of the new formulations is expected to increase greatly their use as replacements for metals in automobile parts, pumps, valves, sporting equipment, and household equipment. Ed and his re-

search group have received considerable favorable publicity since the first announcement of the commercial availability of the new polymers at the Society of Automotive Engineers Exposition and Congress, in Detroit, February 28, 1983. Ed's wife, Ruth, also an IU graduate, has received media attention also for her work with the Martin Luther Foundation and the Lutheran Church. The Flexmans have two children, Greg and Carolyn.

**William O. Foye**, PhD'48, Sawyer Professor of Medicinal Chemistry at Massachusetts College of Pharmacy in Boston, attended meetings and lectured at Pamplona, Spain, and the University of Padua, Italy, in September, after visiting laboratories in England and Scotland. His popular book, *Principles of Medicinal Chemistry*, has appeared in Italian, Japanese, and Spanish translations.

**Minas Georgiadis**, PhD'63, and Vasso have returned to Athens, Greece, where he is professor of chemistry at the Agricultural University of Athens. Their two sons and one daughter have received degrees in chemistry here, and the youngest daughter will soon be an alumna of the Department. All four are outstanding in their achievements. Minas spent most of 1982-83 at the University of Illinois.

**Jack M. Gill**, PhD'63, and Linda attended the AIUC reunion in October and hosted a delightful wine-tasting evening at the Alumni Association's Shawnee Bluffs Camp. Jack presented a very informative talk on entrepreneurship, with special reference to the successful developments in Silicon Valley, where the Gills live. Jack and two partners have completed the investment of Phase I Fund of their venture capital enterprise, Vanguard Associates of Menlo Park, Cal. They have invested in more than a dozen high-technology enterprises, for several of which they have provided capital for start-up. They are now well into Phase II of a new and larger round of technological new enterprises.

**Rodney D. Hamilton**, PhD'65, was promoted to professor of chemistry at Fort Lewis College, Durango, Col. The College has grown to 3300 students, with seven faculty members in chemistry, approximately twice the size it was when he arrived in 1969.

**Richard Harruff**, PhD'76, spent part of the past year working with refugees in Thailand who were believed to have been exposed to chemical biological warfare. He received the MD in 1976 and is now in the Department of Pathology at Grady Memorial Hospital in Atlanta.

**David D. Hartley**, PhD'32, retired last year. After receiving his doctorate, he was immediately employed as a research chemist by the refinery division of the Sun Oil Company at Tulsa, Oklahoma.

**Daniel F. Hayes**, MS'77, is with the Dana Farber Institute in Boston (Harvard Medical School).

**Edward G. High**, PhD'50, and Kathryn

celebrated their 40th wedding anniversary on October 26, 1983, by holding a big black-tie buffet dinner at their home in Nashville, Tennessee. It was attended by about 150 guests and family members. This was in connection with a national conference on nutrition hosted by Meharry Medical College and partially sponsored by USDA. Edward was director of the conference. He continues to receive national recognition in different ways. In October he was recipient of the Alumnus of the Year award, given by the Council for the Advancement and Support of Education. The Highs come to Bloomington frequently in connection with IU alumni affairs.

**Jonathan Ho**, BS'68, is a medical missionary in Hong Kong. He completed a residency in heart surgery in Houston, after receiving the MD degree at IU School of Medicine. His brother, **David**, BS'78, will finish his PhD in medicinal chemistry at Purdue this year.

**Chester Jastremski**, BA'63, was one of the men inducted into the Indiana University Athletic Hall of Fame in December 1983. He was one of Doc Councilman's first and most prolific world record-holders and a two-time swimming Olympian.

**Barry N. Jones**, PhD'77, is now head of the protein section of Unigene, Inc., of New Jersey.

**Alan E. W. Knight**, post-PhD'73-'75, is now Senior Lecturer at Griffith University near Brisbane, Australia. He spent the fall semester of 1983 at IU-B working with Drs. Ewing and Parmenter and gave several lectures on molecular spectroscopy.

**Paul Krieger**, post-PhD'74-'76, is with the Reilly Tar and Chemical Company in Indianapolis. The sky over the city is too light at night for him to make good use of his 6-inch telescope.

**Gunter Kuhl**, post-PhD'57-'59, and Christine have a daughter who will enroll at IU-B this year. Recently Gunter has been working at the company's Central Research Division near Princeton on a one-year career development program.

**Joseph R. Leal**, PhD'53, senior staff associate for government research at the Celanese Research Company, retired in 1983. He had been with the company 16 years. Prior to Celanese he held different research positions in American Cyanamid Company. At Celanese he negotiated and administered Government R&D contracts. Some of the work involved high performance fiber, kidney dialysis membranes, and reverse osmosis membranes. In retirement Joe, under the title Crescent Consultants, will do private consulting work relating to Government R&D marketing, contracting, and administration management.

**James W. Mair**, MS'70, and Diane with their three children have a lovely new home at Lansdale, Pa. He enjoys the work in Rohm and Haas' Research Division.

**Dale Mais**, MS'77, completed his PhD

in Pharmacology in 1983. His research was directed by **T. R. Bosin**, PhD'67, who is professor of pharmacology at IU-B. Dale is now doing postdoctoral work at the Medical University of South Carolina where he is under the direction of **Dan Knapp**, PhD'69.

**Fritz-Hans Marquardt**, PhD'60, has returned to his native Santiago, Chile, and is working in the Department of Chemical Engineering at the University of Chile. He is setting up a laboratory for students' thesis research, and at the present time is working on the extraction of natural products from a native Chilean plant that might serve as a source of steroids.

**Dana Mayo**, PhD'50, continues to be active at Bowdoin College in research on FT-IR and also in the development, with his colleagues, of a new approach to the teaching of undergraduate organic chemistry laboratory courses. They are developing a course based upon the use of synthetic experiments on the scale of 100 mg., initially thought of as a way to reduce greatly the hazards of working with volatile, often flammable or toxic materials. As they have developed a full course and manual around this concept, they have found that it has many advantages, among which are a great saving in time to complete experiments, thereby permitting greater numbers and diversity in the experiments, and training students in semimicro and micro techniques that are more appropriate to modern research. Reagents that are not readily obtainable from commercial sources can be readily prepared in batches sufficient for many students, allowing the use of new and unusual reactions. Dana also joined a small team that took the summer course in spectroscopy to mainland China in June, at the invitation of the Chinese government. This course was pioneered years ago by Professor Lord at MIT, but moved to the Bowdoin College campus in recent years. During the spring of 1984 the team plans to take this spectroscopy course to London, England.

**John McAnally**, PhD'50, following his retirement from the faculty at Occidental College, has been serving as the premedical advisor at the University of California, Santa Cruz. He is retiring from that position this year because he finds "there are other things I would prefer to do." He and Ruth live near Monterey Bay.

**John C. Meade**, BA'67, a member of a law firm in Indianapolis, is one of several chemistry alumni who became lawyers. He and Nancy have two young daughters, and Nancy continues to be involved in her field, dietetics. John specializes in bonds.

**Ravi Mehra**, PhD'68, has moved to Roche, Maharashtra, India, where he is quality control manager. His wife, Renu, spent some time this past summer with **Bam D. Mehrotra**, PhD'64, and his wife, Bahrati, at Jackson, Miss.

**Wayne R. Merriman**, BS'52, and family

have lived in West Lafayette for many years. In 1983 Wayne was named vice-president of the Great Lakes International Chemical Corporation.

**Wendell Meyer**, PhD'62, is in the new Technical Information Department at Dow Chemical Company in Midland. Daughter Jennifer is in chemical engineering at Purdue, and son Steven at Miami University is a year and one half away from being a graduate accountant.

**Jerome A. Moede**, MA'42, retired from duPont in 1983. He continues to live in Rochester, N.Y.

**John W. Morgan**, BA'63, and Judy have three children and continuing interest in the success of his employer, P&G at Cincinnati. In October the Morgans were in Bloomington for a 20-year Acacia fraternity reunion.

**Geraldine Germek Moss** BS'59, wife of **Herbert Moss**, PhD'60, has joined RCA as manager of technical information systems in the company's Princeton, N.J., location. Prior to this she had been information specialist with several corporations and universities.

**Rodney Moss**, PhD'51, is now director of agricultural chemicals at the Dow Asia headquarters, living in a Century Tower Apartment overlooking Hong Kong harbor. This past year he and his wife, Phyllis, have traveled extensively in India and Pakistan. They lived for a week on a houseboat in Kashmir and travelled also in Korea, the Philippines, and back to Midland, Michigan.

**Joseph C. Muhler**, DDS'48, PhD'51, and wife Majetta live on a large farm north of Fort Wayne. He continues his productive research in preventive dentistry at the Fort Wayne campus. Owing to his extraordinary generosity in the development of the IU Alumni Association's Camp Shawnee Bluffs, at Lake Monroe, at the dedication of the camp in June the main building was designated Muhler Lodge.

**P. K. Nargund**, post-PhD'61-'63, has his own business in Dhawar, India. His son, Ravi, has joined some other children of former students and associates of the department by enrolling in graduate work in chemistry here.

**Leonard Neubert**, PhD'69, and wife Nancy visited Bloomington with their young son, Jacob Charles, and attended the reunion of IU chemistry alumni in 1983. Len works at Union Carbide Research Laboratory in Charleston, W. Va., in their scientific information system.

**Ajibade Odutola**, BS'72, has returned to his native Nigeria after completing his medical training and several years of medical practice in the U.S. His MD was from Howard University Medical School, and he practiced medicine for several years in California. Ajibade is the son of Prince Oladega Odutola of Lagos. Sons and daughters of this family have received professional training in several overseas countries.

**A. C. Patel**, who was a graduate student

in organic chemistry here in the mid-1960s, completed the PhD at St. Louis University and worked in the Research and Development Department at Sigma Chemical, St. Louis, for 17 years. In late 1983 he joined his sons in the ownership and management of a chain of motels.

**Robert Patrick**, PhD'51, and wife Carol have moved to Coles Corner, Wells, Maine, where they operate a shopping mall and he has a consulting firm, Trebor Associates.

**Elsa Proehl Paulsen**, MA'45, continues productively in pediatrics at the University of Virginia. Her research is focused on diabetes. She also gives considerable time to help children who have special health needs. Elsa is also medical director for Camp Holiday, for children, near Charlottesville. Her research publications have appeared in some of the most prestigious journals.

**John D. Pera**, PhD'60, and Eugenia have moved to the sixth fairway of the Colonial Country Club at Cordova, Tenn. John is still with Buckman Laboratories.

**Frank P. Popoff**, BA'57, MBA'59, has been president of Dow Chemical Europe (which includes the Middle East and Africa) the last three years. There are 30 manufacturing locations in 14 countries, and they produce over 90 percent of all products sold by DCE in 45 countries. He is a member of the board of directors of the Dow Chemical Company and several Dow subsidiaries. His first assignment at Dow was in the product development area at Midland in the urethane chemicals laboratory. The Popoffs live at Horgen, Switzerland.

**Herbert H. Reller**, PhD'52, and Bettye now have an outdoor swimming pool at their home in Cincinnati. Herb is active in skin research at P&G and he travels considerably.

**Wendell Roelofs**, PhD'64, is now in New Zealand on sabbatical leave from Cornell University, where he is Liberty Hyde Bailey Professor of Insect Biochemistry. He received the Distinguished Alumni Award of the College of Arts and Sciences-Graduate School Alumni Association in October. He also received the Wolf Prize in Agriculture for 1983.

**Robert L. Rowell**, PhD'60, has been acting head of the Department of Chemistry at the University of Massachusetts since early 1983. This has slowed his research on coal slurries. He especially regrets that he could not be on campus last September for the impressive dedication of the Frank T. Gucker Hall, part of the Herman T. Briscoe Quadrangle. He expects to attend the AIUC Reunion at the ACS meeting in Philadelphia this fall.

**Stewart Schneller**, PhD'68, served as president of the International Society of Heterocyclic Chemistry, and presided over the Ninth International Congress, held in Tokyo last summer. He and Aina spent two weeks touring in Japan prior to

the conference. He is professor of chemistry at the University of South Florida, where he is on the athletic committee, and is faculty representative to the NCAA and the Sun Belt Conference.

**Ryu Shinke**, post-PhD'62-'63, participated in an international conference on enzyme engineering, held in the Poconos in Pennsylvania. He was able to attend the dedication of the Frank T. Gucker Hall in Bloomington.

**Jerry Skowronski**, MS'73, has completed his ninth year as forensic chemist with the Chicago Drug Enforcement Administration laboratories.

**Curtis M. Snow**, MA'46 and wife Marcia, BA'48, continue to live in Pasadena, Md. In his company, he is vice-president of technology, with responsibility for R&D, market development, patent licensing, and quality control.

**Ian W. Stapleton**, PhD'66, and Shirley have four children. Ian continues to do important research in the Protein Research Laboratory of the Commonwealth Scientific and Industrial Research Organization of Australia. Their son David has completed two years at LaTrobe University in Melbourne.

**Helen Merriam Stewart**, MA'46, and her husband, Bill, have returned to their home at Maquoketa, Iowa, after spending a few years in Peace Corps work (agricultural) in Costa Rica. Church groups in this country were supportive in their efforts to upgrade community library resources as well as agricultural operations.

**Byron Vanderbilt**, BA'29, retired after 30 years at the Exxon Research and Engineering Co. He is the inventor or coinventor of about 95 U.S. patents. His latest book, *Inventing: How the Masters Did It*, reviews the lives of some of the outstanding inventors. He received his PhD in 1937 from Purdue.

**David Verdeyen**, MAT'64, has been made head of the Mathematics and Natural Science Division of the J. Stirling Morton High School West in Berwyn, Illinois.

**Verling Votaw**, MA'26, and Lib have attended scores of alumni gatherings and other events at IU since they were students here, including the Alumni Weekend in 1983. Owing to Verling's arthritis and the difficulties involved in moving about in a wheelchair, Lib has written that such participation will be greatly curtailed. However, they will keep up with news and invite communications. Their address is 1410 Springfield Pike, #C-40, Wyoming, Ohio 45215.

**Richard Weddleton**, PhD'65, and his wife live near the Central Florida University campus at Orlando, Florida. He is with the National Electric Coil Company.

**Leonard M. Weinstock**, PhD'58, has been made a research manager in the Process Research Department of Merck Sharp and Dohme, Rahway, N.J.

**Ralph White**, PhD'67, and wife **Anne Hosch**, PhD'72, are connected with the Norwich-Eaton company, which was

purchased by Proctor and Gamble in 1982.

**Jeanne L. Young**, BA'47, writes that she is kept busy caring for her mother and with her club and church activities at Marion, Ind.

**Morris Zimmerman**, PhD'55, was elected Fellow of the New York Academy of Sciences in 1983 and participated as an invited speaker at the Gordon Conferences the past two years.

### *News of Former Faculty*

**Eugene Cordes**, formerly professor and chairman of the chemistry department, is vice-president for biochemistry at the Merck Institute for Therapeutic Research in Rahway, N.J. Gene was a featured speaker on industrial-academic relations at the October 1983 reunion of IU chemistry alumni.

**Ralph L. Shriner**, former professor and chairman of department, 1941-46, continues to live in retirement in Dallas, Texas. Last May he participated in the big 90th birthday party at Ames, Iowa, for

Henry Gilman, of organo-metallic and editorship fame in organic chemistry. Ralph still spends the summer months in northern Minnesota in a one-room cabin, and he devotes much time to fishing. Periodically he visits his daughter Joan Palincsar and her family in Chicago. Ralph and Rachel contributed much to the development of the department during their brief years here and are fondly remembered by many students who were here in the 1940s.

## DEDICATION OF GUCKER HALL

*(Continued from page 1)*

in Physical Chemistry, which was established in the department following his death in 1973.

E. Campaigne has written a delightful, brief biography of Frank T. Gucker. This was prepared in connection with other work that is being done concerning the history of chemistry at Indiana University. Interested persons should write to the Department.

## REMINDER

Social Hour for Indiana University Chemists will be a part of the ACS Alumni Hour at the National Meeting in St. Louis on Wednesday, April 11, 1984, at the Sheraton St. Louis Ballroom Center. There will be a sign identifying the AIUC. Bring any pictures or other items that you would like displayed on our bulletin board. See you there!

**Remember: Wednesday, April 11, 1984**  
**Sheraton St. Louis Ballroom Center**  
**5:30 — 7:00 p.m.**

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