



GENERAL ENGINEERING NEWSLETTER

Department of General Engineering, University of Illinois at Urbana-Champaign

Vol. 25, No.2

Spring 1983

Green '60 gets alumni award; Metz is outstanding teacher; Streeter, Scheinman honored

John R. Green Jr., president, Admiral Division of Magic Chef Inc., Schaumburg, received the 1983 Gamma Epsilon Distinguished Alumnus Award at the honor society's dinner April 21. Green, who lives in Lake Forest, is the 10th person to receive this honor.

He earned a degree in general engineering from the U. of I. in 1960. Before graduating he had been a teaching assistant in the university, worked for several firms and the Illinois Department of Highways and served with the Army in Germany and in the Air Force Reserve.

On graduation he went to the Chrysler Corp. as a management trainee, and in 11 years worked up to plant manager. He became a vice president in Rockwell International, and when Rockwell acquired Admiral in 1974 became general manager of the appliance division, and then vice president of operations.

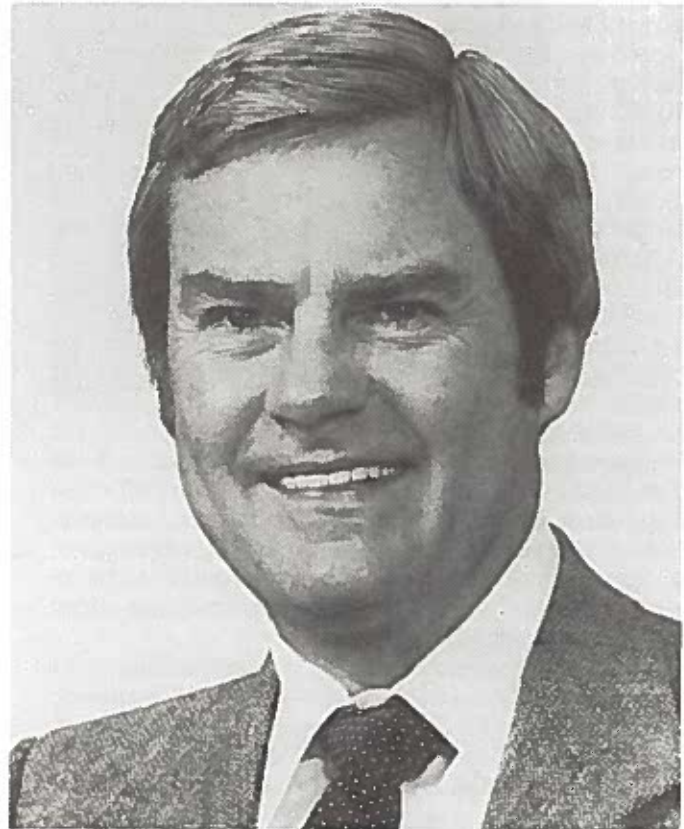
In 1978, Green returned to Admiral in Schaumburg as executive vice president, and shortly after was appointed president. In 1979 Admiral was acquired by Magic Chef. As company head, Green presided over a substantial positive earnings turnaround, extensive plant modernization, development of a new warehouse system and the introduction of several important new products.

Gamma Epsilon also presented a new award for excellence in teaching, an honorary membership to a retiring professor, and recognition to the man who has been faculty advisor to the general engineering honor society since its founding.

Professor L. Daniel Metz was honored "for excellence in teaching" and "stimulating the interest of undergraduate students." He received a plaque and his name is the first on a tablet of Gamma Epsilon outstanding teacher honorees to be permanently displayed by the department.

Professor Harrison Streeter, advisor to Gamma Epsilon since it was founded in 1962, was presented with a plaque for "dedication and service" to the society. He graduated from Illinois in 1949 and has been a member of the general engineering faculty since 1956.

Professor Morris Scheinman, retiring after 21 years of teaching in general engineering, was awarded an honorary membership in Gamma Epsilon. He taught almost every course in the department and his students received six awards in the Lincoln Arc Welding competitions.



John R. Green Jr.

Private gifts help support department computer

Private gifts from George S. Trees Sr., North Palm Beach, Fla., and William A. Chittenden, Elmhurst, totaling \$13,675, have been received to help support the installation of new computer equipment in the department of general engineering. Professor Jerry S. Dobrovolny, head of the department, said the gifts were in response to a request for support made in the spring General Engineering Newsletter, and that still more funds are needed.

The gifts are made through the University of Illinois Foundation to the General Engineering Development Fund. Trees and Chittenden both are alumni of the general engineering department, and both are members of the university's highest honor organization, the President's Council.

Dobrovolny said the money will be used for the recently-established CAD/CAM laboratory, serving

(Continued on page 2)

ASEE excellent teaching award given to M.H. Pleck

For excellence in instruction of engineering students, Professor Michael H. Pleck has received the western Electric Fund Award of the American Society for Engineering Education. The award, \$1,500 and a certificate, was presented April 1 in Terre Haute, Ind., at a meeting of the ASEE Illinois-Indiana Section. Twelve engineering educators across the nation are honored annually. Pleck is the first member of the U. of I. general engineering faculty to receive this award.

He is recognized by students and faculty colleagues as an outstanding teacher, integrating real world material and experiences into classroom work. Pleck has taught courses in engineering design graphics, freshman engineering design, structural analysis and design, kinematics of mechanisms, computer graphics, senior project design and numerous independent study courses.



Michael H. Pleck

Pleck's graduate activities have been devoted to thesis supervision of candidates in collaboration with the department of computer science and in the recently-developed general engineering master's degree program. He has a special interest in computer graphics and in the new field of computer-aided design and computer-aided manufacturing (CAD/CAM).

In 1974 he received the U. of I. College of Engineering William L. Everitt Award for Teaching Excellence; in 1975 the U. of I. Urbana-Champaign Campus Award for Undergraduate Teaching Excellence; in 1977 the Champaign-Urbana Jaycees Outstanding Young College Educator Award, and in 1980 the Society of Automotive Engineers Ralph R. Teetor Award to an outstanding engineering educator.

Pleck joined the general engineering faculty in 1964 after receiving a bachelor's degree in mechanical engineering from the U. of I. He since has earned master's and doctor's degrees in mechanical engineering from the university. In the summer of 1982 he was with the General Dynamics Data system computer-aided design staff, in 1980 at the Institute of Precision Engineering of Hokkaido University, Japan, and in earlier summers or on leave was with Cornell University, Sandia Corp., U.S. Steel Corp. and Eastman Kodak Co.

Dobrovolny heads military council

Professor Jerry S. Dobrovolny, head of the department of general engineering, has been appointed by Chancellor John Cribbet to be chairman of the Military Education Council for the Urbana-Champaign campus in 1983-84. For the past year Dobrovolny has been a member of the council, which is charged with general responsibility for oversight of the military departments — Army, Naval and Air Force — on the campus.

Private gifts

(Continued from Page 1)

instructional and research activities of general engineering and of aeronautical and astronautical engineering undergraduate and graduate students. CAD/CAM is an acronym for computer-aided design and computer-aided manufacturing. This is an area of great importance to engineering students going into an increasingly computerized world, Dobrovolny said.

Trees, graduated in 1939, is retired vice president and director of the Chicago Bridge and Iron Co., Oak Brook. Chittenden, graduated in 1950, is partner and director of engineering with Sargent & Lundy, Chicago. In 1978 he received the distinguished alumnus award of Gamma Epsilon, general engineering honor society. The recent gift was his third in support of the department.

Obtaining funds for the CAD/CAM laboratory has been a major occupation for Dobrovolny during the past year. Gifts have included \$50,000 from General Motors Corp., Detroit, and a \$90,000 computer graphics system from Evans and Sutherland, Salt Lake City. A 2,000 square foot area in the Transportation Building attic is being converted to the laboratory, and Dobrovolny is working to form an industry-university consortium to provide financial support for the university and assist industry to develop CAD/CAM.

Honored students get plaques, certificates, \$2,875 in checks

Six awards, with plaques, certificates and checks totaling \$2,875 were presented to 13 students at the April 21 General Engineering Banquet and Awards Ceremonies. Presented were:

— Edward S. Fraser Award, to outstanding senior scholar: Gregory J. Hnilicka, Aurora.

— L.B. Phillips Award, to a senior outstanding for scholarship, character, activities and an evaluation by the senior class for character and general attitude: Julie A. Chalden, Decatur.

— Randolph P. Hoelscher Award, to the junior outstanding in scholarship and leadership: Robert B. Goldman, Morton Grove.

— Ingersoll-Rand Awards, to three juniors outstanding in academic achievement, leadership, professional promise and career interest: Kim M. Voss, Champaign; Bradley C. Crews, Mount Erie; Paul A. Hagberg, Rockford.

— Bernt O. Larson Project Design Award: First place — "Servo-Controlled Mechanical Testing Drive System" Richard J. Pluhar, Oak Lawn; Virginia L. Rose, Arlington, Tex.; Mark J. Udelhofen, Wheaton;

Second place — "Real Time Weld Quality Monitor," Mark Jankowski, Villa Park; Molly R. Bryden, Quincy; April E.H. Komaniecki, Rantoul.

— Herbert J. Sprengel Award for outstanding junior level project: Tina M. Tuminello, Hillside.

Moeinzadeh in bioengineering

Professor Manssour Moeinzadeh of general engineering is the newest member of the U. of I. bioengineering faculty. His principal area of work is biomechanics of joints and of the human body. His paper "Response of a Two-Dimensional Dynamic Model of the Human Knee to Externally Applied Forces and Moments" has been accepted for publication by the Journal of Biomedical Engineering.



Professor Howard W. Knoebel (left) received the 1983 Outstanding Tree Farmer of the Year award, presented for the American Forest Institute by Robert J. Blair, district forester, Illinois Department of Conservation. Knoebel, an electrical engineer, came to the U. of I. Coordinated Science Laboratory staff in 1951, joined the general engineering faculty in 1975, retiring in 1978, and since has been teaching part time in the department. He has a 109-acre forest in Cumberland County, near Mattoon, 70 miles south of the university campus. He is a member of the Illinois Tree Farm Program, sponsored by the Forest Institute, and has developed his forest with technical services from the state conservation department.

Student quality up; 'dramatic increase' in graduation rate

The high quality of University of Illinois engineering students is indicated by entrance standards which have increased dramatically over the past 10 years and are significantly above those of most other institutions.

U. of I. entrance standards are a combination of the student's high school percentile rank and the composite ACT test score — the 'composite of the English, mathematics, social studies and natural science scores from tests provided by the American College Testing program.

The mean composite ACT scores for U. of I. engineering students lie approximately 26 percent above comparable means for U.S. four-year colleges, and approximately 16 percent above values for enrolled students in the U.S. planning to major in engineering fields.

The mean composite ACT scores for U. of I. engineering students increased during the past decade from 26.9 to 29. The increase in the mean high school percentile ranking was from 82.5 in 1973 to 95 in 1982. The median student in the fall 1982 freshman class ranked in the upper 2 percent of his or her high school class.

Increased standards of admission to the College of Engineering have resulted in "dramatic increases" in graduation rates, said Associate Dean Howard L. Wakeland. Fifty-nine percent of freshmen admitted in 1977 earned bachelor's degrees four years later, compared to 30 percent of those admitted in 1962, he said, and 76 percent of transfer students compared to 61 percent from 1962.

The median for new engineering freshmen in 1982 was 97.2 in high school percent rank, and 29.3 in ACT scores, compared to 1976 when the rank was 90 and ACT 27. The predicted grade point average for entering freshmen now must be at least 3.8; in 1977 it could be as low as 3.

Many general engineering grads also earn degrees in law

Nearly 50 general engineering graduates have earned law degrees, according to a list compiled by Professor Harrison Streeter and the U. of I. Alumni Association. On the list are general engineering graduates from 1947 on. Thirty-one are in Illinois, 16 in other states.

Streeter said other G.E. alumni also may have law degrees and asks that any names not on the list be sent him. His address is, Department of General Engineering, 117 Transportation Bldg., University of Illinois, 104 S. Mathews Ave., Urbana, Ill. 61801; his phone, area 217, 333-9724.

The known list, by classes, includes: 1947 — L. Thaxton Hanson, Northridge, Calif.; 1948 — John T. Harmon, San Francisco; 1957 — Gary L. Newton, Bloomfield Hills, Mich.; 1958 — Ronald S. Karaken, Rochester, N.Y.; 1959 — William E. Getzen, Sarasota, Fla.; Norman H. Racine, Sycamore;

1961 — Milton C. Konicek, Burlington, Wis.; Dennis R. Schlemmer, Barrington Hills; David L. Thomas, Peoria; 1962 — James J. Baker, Park Forest; Melvin F. Jager, Glen Ellyn; 1963 — Champ W. Davis, Elmhurst; Todd S. Parkhurst, Chicago; Herbert J. Singer, Northbrook; Charles Thomas, Glenview; 1964 — Joseph V. Giffin, Hinsdale; Ronald H. Hausch, Des Plaines; Donald L. Wilkinson, Glen Ellyn; 1966 — David A. Burge, Shaker Heights, Ohio; Louis A. Hecht, Northbrook; Steven G. Jonas, Birmingham, Mich.; Bruce L. Samlan, Roscoe; 1967 — Arthur B. Hillman, Arlington Heights; 1968 — Charles W. Mahan, Dayton, Ohio; Marvin Smollar, Northbrook; 1969 — Thaddeus S. Figus, Minneapolis; Leslie J. Paperner, Alexandria, Va.;

1970 — Barry Goodman, Des Plaines; Richard B. Hoffman, Wheaton; Jeffrey Morris, Buffalo Grove; James S. Schlifke, Glenview; 1971 — James L. Dobrovolny, Champaign; Kim F. Fuller, Mount Carmel; Charles S. Stahl, Chicago; John D. Thelan, La Jolla, Calif.; 1973 — Robert M. Burns, Austin, Tex.; Eric L. Terlizzi, Salem; 1974 — James W. Redlich, Chicago; Stephen S. Wolfe, Chicago; 1975 — Philip S. Abrahams, Chicago; 1976 — Mark W. Dienser, Houston; Stephen A. Litchfield, Bartlett; Thomas W. Tobin, New York; 1977 — Richard K. Cannon, Dallas; Caleb Didriksen, New Orleans; Mary K. Jankowsky, Chicago; 1978 — Charles H. Mottier III, Evanston.

Three alumni are known to be in law school now: 1980 — Brian G. Eberly, Park Ridge; Robert S. Gordon, Chicago; 1981 — Roger H. Stein, Glencoe.

\$30 million engineering research

The Summary of Engineering Research, 1982, reports that more than 400 faculty and professional staff members and 1,600 graduate students worked on more than 750 projects in research efforts exceeding \$30.3 million. It lists activities of 13 academic engineering units, two major interdisciplinary laboratories and two college-wide multidisciplinary programs.

In addition to brief descriptions of each research project, the 309-page summary lists faculty publications, theses, technical reports and awards and honors received by the faculty. Copies are free from Engineering Publications Office, 112 Engineering Hall, 1308 W. Green St., Urbana, Ill. 61801.

Morris Scheinman retires after 21 years on faculty

Twenty-one years of teaching general engineering, and a professional career which began a quarter-century before that, will close May 14 when Professor Morris Scheinman retires. During more than two decades in the Transportation Building he has taught almost every course in the department. Though retired, he will continue teaching part time.

His students received six awards in the annual Lincoln Arc Welding Student Engineering Design Competitions: a first in 1974, seconds in 1968 and 1978, and fourth places in 1971, 1975 and 1977.

Scheinman came to the department Dec. 1, 1962, after a career as a consulting engineer in sanitary and structural engineering. He was graduated cum laude from the College of the City of New York in 1936, and earned his master's degree in civil engineering in 1936. He also did additional graduate work in soil mechanics at Columbia University.

He was a topographic engineer in the Atlantic Division of the U.S. Geological Survey, a naval architect for the U.S. Navy, and since 1945 has been licensed as a professional engineer to practice in New York. He served as chief structural and principal engineer with consulting firms, designing steam and diesel generating plants, paper mills, industrial plants, low dams, water supply and distribution systems, sewerage systems and sewerage treatment plants. He also was chief engineer for a contracting firm on the construction of foundations for multi-story reinforced concrete buildings, underground structures, and multi-span highway bridges for a section of the New Jersey Turnpike.

G.E. department is headquarters for summer high school projects

The general engineering department will be headquarters this summer for two groups of high school students on the campus to learn about engineering careers and education. Fifty young people may be accepted for the June 19-July 1 MITE — Minority Introduction to Engineering — program, and 40 for the July 10-22 JETS — Junior Engineering Technical Society — program.

They will live in university student housing, attend mathematics and engineering lectures, perform experiments, conduct individual and library research, and receive counseling on opportunities in the engineering profession and planning for a college education.

Both programs are sponsored by JETS, a nationwide organization of high school students interested in engineering. Professor David C. O'Bryant of general engineering is state director for JETS and Jonathan N. Horner is JETS coordinator. Paul E. Parker, assistant dean, College of Engineering, is co-director of the MITE program.

The minority program will be in its 15th year at Illinois and 10th year nationally. The nationwide program is financed by 25 large corporations and foundations and involves 3,000 high school minority students. It grew out of a pioneering 1969 U. of I. Inner-City Engineering Orientation Program. O'Bryant is special consultant for the nationwide program.

The JETS program will be in its 22nd year.

Alumni News

1924 Arthur G. Dixon who was in the first general engineering class, writes that he never has regretted transferring to this curricula. He says, "At the end of my freshman year in civil engineering, 1920-21, I transferred to general engineering on the initial availability of that course. "I am endlessly grateful for the curricula options that this transfer enabled, and equally thankful to be an alumnus of the highly-reputed general engineering department of the University of Illinois College of Engineering."

Dixon has been director emeritus of the Modine Manufacturing Co., Racine, Wis., since 1973. He went to the company in 1926 as an engineer, became sales manager, corporation secretary, vice president for engineering and research, executive vice president, president from 1960 to 1963, vice chairman of the board and board chairman. In 1976 he received the Gamma Epsilon distinguished alumnus award. In 1974 he was awarded an honorary doctorate by Carthage College with which he became associated as assistant to the president for foundation relations after his presidency of Modine.

Alger S. Barnard, retired since 1979 from United States Steel where he was structural design supervisor in the engineering division of the Gary Steel Works, reminisces on a life which began 80 years ago on a farm between Downers Grove and Naperville.

He attended a one-room country school and after graduating from Downers Grove high school met a U. of I. engineering senior who encouraged the farm boy to go to Illinois. He remembers the fall day when he took his father to see Red Grange lead the Illinois football team to a 39-14 victory over Michigan. Barnard lives in Merrillville, Ind. His two sons graduated in engineering from Purdue.

1940 Roger S. Hutton has moved from Deerwood, Minn. to West Bend, N.C.

1946 Phillip D. Graham has moved from Los Angeles to Carson, Calif.

1949 George P. Taylor is now assistant to the vice president and general manager of the Alliance Tool Corporation's Gleason Works in Rochester, N.Y. He continues to live in Fairport, N.Y.

1955 Gerald F. Fricker has moved from Rose Hill, Kans., to Wichita, Kans.

1956 Richard D. Jonson has moved from Birmingham, Miss., to Columbus, Miss.

1958 Dale Kempf is now chief engineer of the Santa Rosa Manufacturing Co., San Jose, Calif.

Jon Peacy has delivered eight technical papers on electricity from refuse in North America. The latest was presented Nov. 12 before a public works congress in Bogota, Columbia. Peacy is sales engineer, central region power products, for the Yarway Corp., Wheaton. A copy of his paper can be obtained by phoning 312-668-4800.

1959 Dennis E. Lantz has moved from Geyserville, Calif., to Santa Rosa, Calif.

1960 Larry E. Shpiner, as owner and president of CfC Inc., Dayton, Ohio, is finding himself in the right place at the right time. Eight years ago he and Larry Matthews, working out of their homes, started a communications consulting firm. While creating a prospectus for the Air Force on integrated computer-aided manufacturing they became involved in factory modernization.

Today, 20 technical consultants from engineers and system analysts to accountants work for him in a program called technology modernization or tech mod. CfC helps companies reorganize management, engineering and production, with emphasis on automation, supplementing experts of client companies in putting together master plans for factories of the future. Shpiner earned a master's degree in nuclear engineering from Illinois in 1962. He lives in Dayton.

1963 Dennis W. Anderson has moved from Wilmington, N.C. to Albuquerque, N.M.

1964 Robert D. Leonard Jr. is now department chief of product planning in Teletype Corp., Skokie. He writes, "I have returned to my former employer after a rotational assignment at AT&T (Network Services and Business Services) of nearly five years. In my new position in marketing I am responsible for planning, introducing and managing "3270"-type synchronous data terminal products. Teletype Corp. is a leading manufacturer of such terminals." He lives in Winnetka.

1965 Gerald A. Lasson has moved from Ostrander, Ohio, to Worthington, Ohio.

Leon O. Lindley has moved from Durham, N.H., to Kensington, Conn.

Edward L. Sabourin is assistant village engineer for the Village of Oak Park, a position he has held for the past three and a half years. Before that he was with the Illinois Department of Transportation for 10 years and earlier for five years with the General Electric Co. He lives in Elmhurst.

R. Craig Smith is now a group engineer with General Dynamics, Pomona, Calif. His Quality Data Systems organization with 24 employees is a computer center providing data entry, processing, programming and computer operation services to the quality assurance department. He lives in San Bernardino, Calif.

1966 Robert B. Beers, professor of electrical engineering technology in Broome Community College, Binghamton, N.Y., and supervisor of the Linear Electronics Laboratory there for 26 years, retired in 1981 and now lives in Trumansburg, N.Y. Expressing gratitude to Professor Jerry Dobrovolsky for help when a graduate student at Illinois, where he earned a master's degree in education in 1966, Beers commented on the new U. of I. CAD/CAM system and said, "Broome managed to get the system after much debate and it is paying off."

Thomas O. Knight has moved from Chicago to Lutz, Fla.

1967 Brian R. Bachman is manager of marketing for the semiconductor products department of General Electric in Auburn, N.Y. and lives in Skaneateles, N.Y.

Richard J. Colver is deputy chief, information resources management office, in the Army Corps of

Engineers headquarters, Washington, D.C. After earning a degree in general engineering from the U. of I. in 1967 he returned to earn an MBA in 1970 and master's in mechanical engineering in 1980. He and his wife Laverne live in Fairfax, Va. with their three children, David 11; Deborah, 9, and Marc, 7.

Danny G. McClintock has moved from Colorado Springs, Colo., to Morgan Hill, Calif.

1969 Gerald D. Pine is on the research staff, Office of Program Planning and Analysis, Oak Ridge National Laboratory. He earned a master's in nuclear engineering at Illinois in 1970 and doctorate in 1978 from Massachusetts Institute of Technology. He lives in Oak Ridge, Tenn., and writes, "Keep up the goodwork. I'm glad to see GE continuing to grow and diversify. It has taken me several years to realize fully the value of my broad background from the department."

1970 Bruce A. McIntosh has moved from Piper City to Chelmsford, Mass.

Bruce A. York is assistant district engineer, Missouri Pacific Railroad, in Kansas City, Kans. He lives in Overland Park, Kans.

1971 Rodney J. Baudino was promoted Jan. 3 to staff engineer, research and development, with the Thermos Co., Norwich, Conn. He began working for that company in 1976 as manufacturing engineer, and in 1981 was promoted to senior manufacturing engineer. Last year he received a MBA degree from Western Illinois University. He lives in Gales Ferry, Conn.

1973 Donald D. Burn has moved from Westboro, Mass., to Santa Clara, Calif.

Roger F. Haines has moved from Gainesville, Fla., to Naples, Fla.

1974 Allen M. Carlson has moved from Menlo Park, Calif., to Palo Alto, Calif.

Kathryn A. Davis, who earned a master's degree in civil engineering at Illinois in 1975, is now manager of technical services for the American Society of Civil Engineers at its New York headquarters. She writes that the job description says the post involves "technical committee liaison to provide guidance to the technical operations of the society through its committees. It interacts with industry, other professional organizations and the government." Davis moved to New York in March after six years as geotechnical engineer with CH2M Hill, Bellevue, Wash.

Michael E. Kerr is now business analyst for enhanced recovery systems with Linde Division of Union Carbide Corp., Danbury, Conn. He had numerous posts — business analyst in environmental systems, senior project planner, senior cost engineer, administrative assistant, director of engineering — before being assigned in February to his present position at corporate headquarters.

The change was complicated by his wife's career as a teacher, but this worked out better than expected when she found a better-paying position near their new address in White Plains, N. Y. On a Thanksgiving vacation in Hawaii they were on the islands when hit by the first hurricane in 25 years. Kerr returns to the U. of I. campus yearly as Union Carbide's corporate college relations representative for Illinois.

1975 Clifford C. Drescher has moved from San Antonio, Tex., to Midland, Tex.

Roger D. Koch, who has been with the Caterpillar Tractor Co. since graduation from the university, was transferred last September to engine division engineering where he is working in an analytical area. Before this he had been in the applied mechanics division of test and evaluation. In June 1980 he married Sally R. Beutel. Their daughter Sharon Kay was born in January 1982. They have just moved from Tremont to Pekin.

John E. Kuhn has moved from Satellite Beach, Fla., to Universal City, Texas.

1976 Michael J. Cardoni and his wife Gloria celebrated the first birthday of their son, John Michael on March 24. Cardoni is a senior engineer in the product assurance department of Cummins Engine Co., Columbus, Ind. He earned a M.B.A. degree in 1978. Mrs. Cardoni, the former Gloria Gadbury, earned a degree in music from Illinois in 1977.

Neal D. Siegel is now assistant sales engineer with WESCO, Westinghouse Electrical Supply Co., Arlington Heights. He and his wife Deb now have a third child, Eric D., born in October.

1977 James R. Boyer has moved from Lafayette, Colo., to Apollo, Pa.

William C. Chedister is chief engineer, sales and technical service, for Circle Chemical Co., Hinckley. He earned an MBA degree from Northern Illinois University in 1982 and lives in DeKalb.

Caleb H. Didriksen III earned a law degree from Tulane University in May. In October he was married in New Orleans to Megan Conway. He is an associate with McGlinchey, Stafford, Mintz and Celine, New Orleans. Didriksen reports that at a party during recent Mardi Gras festivities he met Todd Neely of the class of 1978.

Terry W. Ditsch is reliability engineer for Dresser Industries, Libertyville. He lives in Elmhurst.

Anthony G. Riley has moved from Fort Collins, Colo., to Lakewood, Colo.

Alan J. Rodeck has moved from West Carrollton, Ohio, to Dayton, Ohio.

1978 Mattlew M. Atkinson has moved from Park Ridge to Concord, N.H.

James L. Burton has moved from Mansfield, Ohio, to Lexington, Ohio.

David Coyle was a member of the University of Arkansas faculty for a two-day seminar on Robots and Manufacturing Automation presented in Little Rock, Ark. He is a mechanical engineer with Texas Instruments where he specializes in the automation application of programmable controllers. He formerly was with Johnson Controls where he specialized in digital and computer-aided building automation.

Richard A. Hardy is in Jubail, Saudi Arabia, on a one- to two-year assignment involving a multibillion dollar grassroots petrochemical plant under construction for Petrochemical Engineering Ltd. He will be responsible for scheduling the starting of the plant's utility and ethylene process systems. Hardy is a cost and scheduling engineer for Fluor Engineers of Irvine, Calif., and has been working toward an MBA degree from San Diego State University.

Gary R. Steere and Katherine A. Remahl are married and living in Tinley Park where he is with the Panduit Corp. She was graduated from the university in 1978 in

ornamental horticulture. Steere has been studying at the University of Chicago where he expects to receive the M.B.A. degree in June.

Sharon M. Stefanik, through nearly four years of night school, has earned a master of management degree from Northwestern University. She is a technical specialist in the advertising department of Commonwealth Edison Co., Chicago, and lives in Arlington Heights.

Cathy L. Ward has moved from San Francisco to Berkeley, Calif.

Timothy D. Wilson has moved from Otsego, Minn., to Neenah, Wis.

1982 Robert S. Day Jr., structural engineer with Hughes Aircraft Space and Communications Group, El Segundo, Calif., was married in August to Joan Dickinson of Portsmouth, R.I. They live in Torrance, Calif. He is working on a master's degree from the University of California at Los Angeles.

Steven M. Hands is a sales engineer with Barber-Colman Co., Lincolnwood, and is studying for an MBA degree from Northwestern University. He lives in Chicago.

Bruce A. Heimerich is now a manufacturing engineer with Texas Instruments, Dallas. He and Cynthia M. Meeks, Pesotum, were married in August and live in Richardson, Tex.

April E. Horne has married Gary J. Komaniecki. They live in Rochester, Minn., where she is a junior engineer with the IBM Corp. Her husband, a U. of I. graduate in vocational agriculture, plans to earn a master's degree from the University of Minnesota at Minneapolis.

Katherine M. Hughes is a research assistant in the Linear Accelerator Center at Stanford University. She programs data bases and klystron CAD/CAM programs while enrolled in the master of science engineering management in Stanford's industrial engineering department.

Joseph K. Prestinario, has been promoted from corporate trainee in AEC Inc. Chicago Division to product manager, Nelmor Co. Division, North Uxbridge, Maine. This East Coast division of AEC engineers designs and builds auxiliary equipment and machinery for the plastic industry.

James D. Seatter is now field engineer with Dresser Atlas, Corpus Christi, Tex.

George P. Vlcek has moved from Cicero to San Diego, Calif.

Gary J. Vroman is sales engineer with the Ladish Co., Cudahy, Wis., and lives in St. Francis, Wis. He and Julie L. Benoit, who received her degree in agricultural engineering last May, plan an August wedding.

1979 Patrick J. Anderson has moved from Batavia to Carol Stream.

Todd C. Green has received a patent on the design of the Kodak disc camera shutter switch. Last June he received a master of engineering management degree from Northwestern University. He is project engineer, new product development, in the Licon Division of Illinois Tool Works, Chicago.

David O. Reip, an Army first lieutenant, recently completed the rotary wing aviator course at Fort Rucker, Ala. as a newly-rated helicopter pilot, he went to Albuquerque, N. Mex., for a two-month transition

course to the UH-1N helicopter. His next assignment will be to the 20th Special Operations Squadron, Hurlburt Field, near Fort Walton Beach, Fla.

Jeffrey R. Wallace has been elected president of the Triangle Fraternity Alumni Organization at the University of Illinois. Wallace is staff applications engineer with Liquid Carbonic Corp., Chicago, and lives in Hinsdale.

Larry D. Will was married in October to Elise C. Schultz, Elmhurst, a 1982 interior design graduate from Northern Illinois University. She is a store planner in J.C. Penney's regional office in Schaumburg. He is chief pilot for Tenexco Inc., River Forest. In April he earned an advanced degree of Certified Financial Planner from the College for Financial Planning, Denver.

1980 David V. Adams has moved from Mountain View, Calif., to Berkeley, Calif.

David S. Herrmann has moved to Rolling Meadows from Belmont, Calif.

Eric M. Austin joined CSA Engineering, Palo Alto, Calif., in January 1983 as an engineer. The company consults in various areas of applied mechanics. It was formed in November 1982 by three key people from Austin's former employer. Austin has moved from San Carlos, Calif., to Palo Alto. He earned a master's degree in 1982 from the U. of I. department of theoretical and applied mechanics.

Brian Galley is working on a master's degree in meteorology from the University of Wisconsin at Madison. He remains an Illini fan, enjoying the Fighting Illini's victory over Wisconsin and following the team to the Liberty Bowl. He recently became engaged to Wendy Hertel, a pharmacy student at U.W.-Madison.

Edward I. Kinsley has been employed by General Instrument Corp., Lamp Division, Chicago, since October 1982 as a mechanical design engineer in the automation department. He was married in January to Janice Zivkovich. They went to Mexico for their honeymoon. They met in a computer science class at Illinois.

Jeffrey D. Nelson is applications engineer, flight control actuation systems, with Sundstrand, Rockford. He was married last April to Diane Sivertsen, who has a bachelor's degree in physical education from the U. of I. They live in Rockford.

John W. Peterson, a navy lieutenant, junior grade, is communications officer on the USS England, a guided missile cruiser based in San Diego. His wife Wendy gave birth to their first child, Kristin Nissa, in December.

JoAnn Whitacre is being married in June to Thomas Williams, a financial analyst for Bell Northern Research, Mountain View, Calif. The wedding will be in Decatur. They will live in Synnyvale, Calif.

1981 Michael S. Lazar is now sales engineer with the York Division of Borg-Warner at Norwood, Mass., and lives in Brookline, Mass.

Mark R. Pavlat is territory manager in Louisville, Ky., for the Parker-Hannifin Corp., Cleveland. He markets Parker's hydraulic and pneumatic power systems throughout Kentucky and West Virginia with the help of a distribution network. Before receiving the permanent location he completed a 14-month training program with the fluid power group consisting of nine separate divisions within Parker. He plans to pursue an MBA degree from the University of Louisville.

Brian J. Quinn is project engineer with Amoco Oil Co., Whiting, Ind. In June he married Dana A. Balsamello, a 1982 U. of I. graduate in accounting, who works for Holzman, Post, Ludwig and Schwartz, a pension administration firm in Chicago. They live in Whiting.

Gary R. Steele, commercial sales representative, Union Oil Co. of California, Houston, was married in June to Madonna R. Neicamp who received a degree from Illinois in 1980. They live in Houston.

David A. Thompson is in the second year of medical school at the University of Illinois Medical Center in Chicago. He recently became involved there in a research project in biochemical genetics.

Gregory A. Willmer has moved from Santa Monica, Calif., to Playa Del Rey, Calif.

In 1972, G.E. grads started at \$922 a month; now get \$3,474

Ten years ago, general engineers in the class of 1972 began their careers with salaries averaging \$922 a month. Now the average is \$3,474 — up 277 percent — according to a survey by the College of Engineering Placement Office.

Five years ago general engineers in the class of 1977 started at \$1,255 a month; now they average \$2,610, a 108 percent increase. The class of 1972 had averaged \$1,429 when they were five-year alumni in 1977.

Engineering graduates from all fields in the class of 1972 now average \$3,176, a 258 percent increase in 10 years; and those in the class of 1977 average \$2,571, up 107 percent.

Forty-five percent of general engineering graduates have earned master's degrees since receiving their bachelor's 10 years ago, compared to 39 percent of all engineering alumni of that year, and 10 percent have doctorates compared to 5 percent.

Copies of the 10- or five-year survey are available on request from the Placement Office, College of Engineering, 109 Engineering Hall, 1308 W. Green St., Urbana, Ill. 61801.

General Engineering alumni high in alumni interest

Interest of general engineering alumni in their university is among the highest of any department of the University of Illinois, according to the U. of I. Alumni Association. Nearly one of every three GE alumni is an association member.

Figures from 31 alumni groups show 35 percent of veterinary medicine alumni are association members, 33.7 percent from commerce, 32.4 percent from general engineering, 32.2 percent from law and 28.3 percent from communications. Overall, the percentage of alumni who are paid members is 25.4.

The association reports 1,978 general engineering alumni on its rolls, with 738 members, including 520 life, 120 annual, and 98 immediate-graduate free memberships.

Memberships not only keep alumni informed about their classmates and the university through the Alumni News and department newsletter, but also with local meetings in many areas, tours, and other association-sponsored activities.

A membership form is on the last page of this newsletter.

**16 Alumni Fund gifts in 1982
marked for general engineering**

Sixteen persons contributed to the 1982 College of Engineering Annual Fund with gifts marked for general engineering, according to a report from the college office. Five, giving \$500 or more, were listed as Dean's Club members, and 11, giving \$100 to \$500, as Departmental Sponsoring Associates. Gifts were made between May 1, 1982, and April 30, 1983.

The fund, established in 1979, helps departments acquire modern equipment, aids student activities, helps special projects of professional society student chapters, provides awards for undergraduate study and research, provides teaching assistance, and helps support Engineering Open House and other activities.

Dean's Club members listed for general engineering are: William A. Chittenden '61, Elmhurst; Bruce R. Holecek '71, Champaign; Randal M. Smith '61, Kokomo, Ind.; Professor Harrison Streeter and Dean Emeritus William L. Everitt.

Sponsoring associates listed are: Donald R. Bates, Sunnyvale, Calif.; John F. Bergo '77, Seattle, Wash.; David C. Boyer '76, Chicago; Lisa Chisholm '77, Oak Park; Robert W. Dalrymple '34, Green Valley, Ariz.; George G. Dewey '77, Prospect Heights; Arthur G. Dixon '24, Racine, Wis.; Dennis W. Kolzow '74, Elmhurst; Roger A. Reeves '69, Collinsville; Assistant Dean David R. Opperman and Mrs. Ruby V. Hoelscher, widow of Professor Randolph P. Hoelscher, former head of the department of general engineering.

A contributions form is on this page of the spring newsletter.

**1983
Annual**

**College of
Engineering Fund**

In support of the UIUC Engineering Annual Fund,
enclosed is

- \$10 \$25 \$50 \$100
 \$250 \$500 Other _____

Sponsoring Associates are recognized by each department for their contribution of \$100 or more.

The Dean's Club honors those who contribute \$500 or more to a department or to the college.

Please direct my gift to:

- Department of General Engineering

Please check where appropriate:

- My company will match this gift. Enclosed is the Matching Gift Form.

Make your tax deductible check payable to
UIF/UIUC Engineering Annual Fund.

Send to University of Illinois Foundation,
224 Illini Union,
1401 W. Green St., Urbana, Ill. 61801.

JOIN NOW

More than 75,000 alumni are Alumni Association members — including approximately 45,000 who are life members. As a member you receive the Illinois Alumni News as well as publications of your college or departmental constituent association. You qualify for our tour program, our insurance program and the annual family camp. And you continue your loyal involvement with something great — your University of Illinois.

To join, either as an annual member or as a life member, return this form with your check to Alumni Association, 227 Illini Union, 1401 W. Green St., Urbana, Ill. 61801. (Make check payable to University of Illinois Alumni Association.)

- () One year single membership, \$11 () One year, husband and wife, \$14
() SINGLE LIFE MEMBERSHIP, \$175. (INSTALLMENT PLAN, \$185, WITH \$10 DOWN,
FOUR YEARLY PAYMENTS OF \$43.75.)
() HUSBAND AND WIFE LIFE MEMBERSHIP, \$200. (INSTALLMENT PLAN, \$210, WITH \$10
DOWN, FOUR YEARLY PAYMENTS OF \$50.)

Name _____ S.S. No. _____

Spouse's name if an alumnus _____

If female, list maiden name. Does spouse have U. of I. degree? _____

Address _____

College: Engineering. Department: General Engineering. College year _____

(If you are already a member, thanks for your support. If you graduated within the last two years, write for special membership rates.)

Are you
a member
of the
Alumni
Association
?