



# GENERAL ENGINEERING NEWSLETTER

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

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SPRING 1987

## GE Alumni Directors To Hold Spring Session, Elect New Officers

The board of directors of the General Engineering Constituent Alumni Association will hold its Spring meeting on Friday, May 22, in Urbana.

The session is open to all and President George "Dick" Armstrong has issued an invitation to anyone interested in helping the association to expand its services to graduates to attend.

The meeting, which will be held in the Transportation Building, gets underway at 1:30.

Items on the agenda include election of officers for the coming year, future plans for the association, and a discussion of the annual fund.

President Armstrong has expressed interest in the organization becoming involved in the Jerry Dobrovolny Retirement Dinner on Sept. 25. (A form for alumni to express their interest in attending the banquet appears elsewhere in this issue.)

It also has been announced that the Annual Fall Meeting will be held on Saturday, Oct. 17. Following a reception and meeting in the Transportation Building, GE alumni will adjourn to the First Annual College of Engineering Tent Party just west of Memorial Stadium.

A buffet lunch, prizes and entertainment provided by Medicare 7, 8 or 9 will be featured. Faculty, alumni and friends of the College of Engineering will attend. Cost is \$9 each.

If you live in Illinois and are a member of the Alumni Association you will receive full details by mail.

Following the tent party, the group will attend the Illinois-Wisconsin football game in Memorial Stadium.

Present officers of the Association include:

President — **George R. Armstrong**, Argonne; First Vice President — **Gary Allie**, Chicago; Second Vice President — **Todd Neely**, Chicago; Secretary — **Bradley D. Mottier**, Rockford; Treasurer — **Thomas Fiock**, Carterville; Past President — **David Burge**, Cleveland, O.; and board members — **Bob Devine**, Urbana; **John Holz**, Milford, Cn.; **Ron Hausch**, Des Plaines; and **Leroy Kendricks**, Urbana.

Prof. David C. O'Bryant is faculty-alumni coordinator.

## 500th G.E. Member

When **James E. Michaels** of Peoria, IL joined Gamma Epsilon in the fall of 1986, he became the 500th member inducted into the organization since it was founded in 1962.

## Thomas Conry Named GE Department Head, Dobrovolny Retires



Prof. Thomas F. Conry, 45, has been named head of the Department of General Engineering effective Aug. 21, 1987, Dean M. E. Van Valkenburg, College of Engineering, has announced.

He will succeed Prof. Jerry S. Dobrovolny who has served in that position since 1959.

A native of West Hempstead, N.Y., Prof. Conry was graduated with a B.S. in

engineering from Pennsylvania State University in 1963. He received a M.S. in 1967 and Ph.D. in 1970 both in engineering mechanics from the University of Wisconsin. He is a registered professional engineer in Illinois and Wisconsin.

Dr. Conry came to the University of Illinois in 1971 as an associate professor after employment at General Motors Corporation. He was named associate professor in 1975 and promoted to professor in 1981.

During the Fall of 1978, he was a senior visitor at Cambridge University, England.

He is director of graduate programs for the GE Department. His research interests are in manufacturing systems optimization and tribology and he has published extensively on these subjects in several professional journals.

Prof. Conry holds membership in several academic and professional organizations and is a member or has served on many major university and college committees. He also is technical editor of the ASME Journal of Vibration, Acoustics, Stress and Reliability in Design.

He is married and father of three daughters.

Prof. Dobrovolny has resigned as head of the department effective Aug. 20 after 28 years in the position.

He will retire from the University in November.

A retirement dinner honoring Prof. Dobrovolny will be held on Friday, Sept. 25, at the Champaign Country Club. (See form on page 8.)

Born in Chicago and reared in Riverside, IL, Dobrovolny attended the University of Illinois. He

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## Department Head's Corner



After almost forty-three years on the staff and twenty-eight years as department head, it is time to turn the reins over to someone else. I will step down as department head August 20, 1987 and retire November 3, 1987. It has taken a long time to reach the level of recognition the department now has. It is gratifying to know that in such areas as our intersection with industry through our senior project design course, we are twenty years ahead of other schools who are now using us as a model.

The master's degree in General Engineering has provided additional opportunities for both our students and faculty to extend further the work with industry in more of a research mode. The newly inaugurated Technical Audit program has enabled the faculty and students to assist small industries to become more competitive.

In the area of continuing education the non-residency masters degree allows persons to obtain advanced academic work while at their plant site. The joint MSGE-MBA program is another opportunity for those wishing to combine advanced technical competency along with a background to move into the management of a technical enterprise.

This semester a new robotics laboratory has been installed that will be a part of the college-wide program in manufacturing engineering. Professor Thomas Conry of our department is co-chair of this college-wide activity. The faculty of the department is truly crossdisciplinary. Of the twenty-five faculty in the department, there are eleven different Ph.D.'s ranging from Physics, IE, ME, CE, TAM, Engineering Systems, etc. It is this diversity working together as a team that has enabled the department to grow and move ahead.

The past three years have been truly exciting with all of the new computer labs that have been established in the department. The next three to five years should continue to provide opportunities for new levels of achievement. Research support has grown over the past two years to a million dollars a year.

The General Engineering Constituent Alumni Association has been revitalized and become active. I would encourage all of you to participate in their activities. Hopefully more of you can come to the campus and visit the Department of General Engineering.

In closing I wish to thank all of the faculty, staff, students and alumni for their cooperation during my tour of duty. All of you have made my career one of great satisfaction. Thank you.

Professor Jerry S. Dobrovolny

P.S. In retirement I plan to continue my research studying the flight characteristics of a semi-elastic spheroid when it is subjected to a sudden impact.

## New Department Head. . . (from page 1)

received a B.S. degree in General Engineering in 1943 and a M.S. in Mechanical Engineering in 1947. He also did extensive graduate work toward a M.S. in Geology in 1951-52.

Dobrovolny became a part-time instructor in the G.E. drawing department in 1945 and became full time in 1946. He was named assistant professor in 1953 and associate professor in 1957.

He was promoted to professor and became head of the G.E. Department in September, 1959.

During his long tenure as head of the G.E. Department, he has recruited a high quality faculty and has established a national reputation for quality and innovative instruction in project design offered to G.E. students. Also he has established strong ties with industry.

Dobrovolny is a registered Professional Engineer in the State of Illinois.

He has been very active in state, regional and national educational and professional organizations and has served as chairman/president and board member of many. Also he is widely sought as a consultant in these fields.

Early in his career, he worked summer vacations with the Illinois State Highway Department, the State Geological Survey, and did research in soil mechanics and foundation engineering.

A prolific writer and speaker on technical education, he has been involved in a long list of research projects within the University and for the state and nation. He also is frequently called on for public service both nationally and locally. He has served on many major University committees during his tenure.

Dobrovolny holds membership in many professional societies and has been conferred with numerous honorary memberships and citations.

He plans to remain in the Champaign-Urbana area and devote much of his time to writing a history of the G.E. Department. He also will continue his interest and study in the history of engineering, philosophy and methods of engineering as well as special problems.

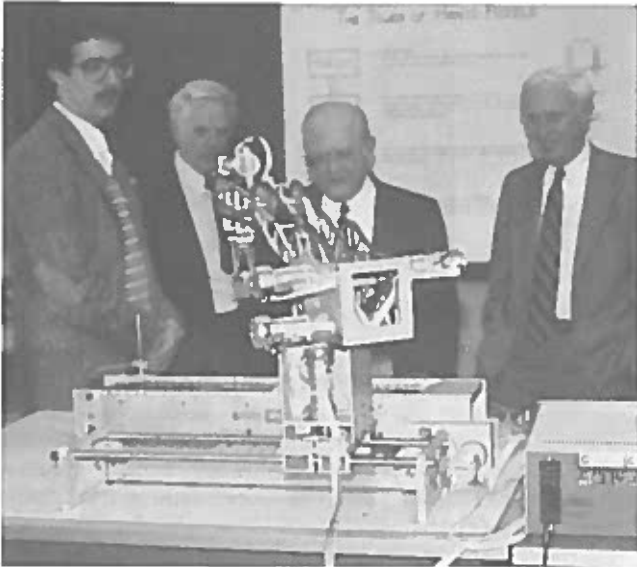
## *JETS Announces Plans For '87 Summer Sessions*

Dates for the 26th annual Junior Engineering Technology Society summer program for high school students interested in engineering education have been announced.

The two-week sessions will be held between June 23 and July 2, 1987, at University of Illinois, Urbana-Champaign, and University of Illinois, Chicago. In addition to these courses, a program limited to minority students (MITE-Minority Introduction to Engineering) will meet in Urbana, July 5-17.

Only students who have completed their junior year will be considered for admission to the programs.

Cost of the Urbana program is \$350. Interested students should contact **Jonathan Horner**, Illinois JETS coordinator, for a descriptive brochure and application form. The address is 209 Transportation Building, U. of I., 104 S. Mathews, Urbana, Il. 61801 or call (217) 333-2860.



Prof. Mark Spong demonstrates robotic equipment in the GE Robotics Laboratory to a group of visiting General Motors Corp. executives. Left to right, Prof. Spong, Associate Dean H.L. Wakeland, U.I. College of Engineering; GM Vice President for Manufacturing of Chevrolets and Pontiacs, Canada, David Campbell; Robert Brewer, GM Personnel; and Richard Davis, GM Government Relations.

## Faculty Notes

Sunstrand Corp. has initiated an Industrial Research Assistantship sponsoring the work of **Janice Mueller** in the area of computer-aided design of control systems. This work is expected to enable Sunstrand to take advantage of advances in control theory and technology to obtain additional performance from currently exploited mechanical, magnetic or fluid control devices and to enable superior design of control systems for emerging applications. The research will be directed by **Prof. Juraj V. Medanic**.

**Prof. Scott Burns** along with H. E. Benzinger and Julian Palmor, Department of Mathematics have published a paper, "Chaotic Complex Dynamics and Newton's Method." The study has been published in *Physics Letters*, *Science News*, the Champaign-Urbana News Gazette and *Illini Week*.

A series of four presentations on Advanced Control of Robots was given by **Prof. Mark Spong**. They were at Carnegie — Mellon on Feb. 19; at Case-Western Reserve, Feb. 20; at University of Toronto, Feb. 21; and at University of Waterloo, Feb. 24.

**Prof. Juraj V. Medanic** will attend the X World Congress of the International Federation of Automatic Control this summer in Munich, Germany where he will present two papers. The first, "Using an Angle-Based Sampled Data Approach to Modeling a Diesel Engine," was coauthored with Walton L. Fehr, Caterpillar Tractor Co. The second, coauthored with J.R. Winkelman of General Electric Co., is entitled "Projective Control Design Procedures for Power Plant/Power System Control."

**Prof. Mark Spong** was invited to present a paper, "Modeling and Control of Elastic Joint Robots," at ASME annual winter meeting in Dec. 1986 at Anaheim, Ca.

## G.E. Robotics Laboratory Offers New Technology

The new Robotics Laboratory in the Department of General Engineering has been established under a 5-year one million dollar grant from General Motors Corporation.

**Prof. Mark Spong**, a nationally recognized leader in robotics education and director of the laboratory, says the facility is invaluable in curriculum development in the area of manufacturing engineering.

The nucleus of the laboratory consists of six robots and eight Zenith PC's linked by a local area network.

Accessories, funded by \$75,000 from the GM grant, include conveyors, turntables, sensors, end-effectors and extrusive software for computer-aided design and simulation.

In addition, Zenith donated two of the Z-248 Advanced PC's. General Electric and Automatix each donated a vision system.

Also General Electric and Research Board funds were used to purchase two additional robots and a six-axis force/torque sensor for research into force feedback control for assembly.

Total value of the equipment presently in the laboratory is \$110,000.

Currently the laboratory is being used by G.E. 293, a new robotics laboratory course. Also, G.E. 493 (Advanced Control of Robots) and G.E. 491 (Simulation of Dynamical Systems) are using the laboratory for CAD and control system simulation.

**Prof. Manssour H. Moelzadeh** has received two research grants for Wheelchair Sports Training and Coaching Research sponsored by the National Wheelchair Athletic Association/United States Olympic Foundation. These grants of \$14,946 are for one year each and are in cooperation with the U.I. Division of Rehabilitation — Education Services.

**Prof. Scott A. Burns** made a presentation "Simultaneous Design and Analysis Using Geometric Programming and the Integrated Formulation" at the 1987 ANSYS Conference on Integrating Design and Analysis March 31-April 3 at Newport Beach, CA.



**Prof. Michael H. Pleck** has been named the 1987 Outstanding Professor Award winner by Gamma Epsilon. Pleck (center) is shown at the Annual GE Awards Banquet with Joan Olson (left), GE President, and Andrew S. Hill (right), secretary and presenter of the award.

# R.D. Jonson Named Distinguished Alum By Gamma Epsilon

Richard D. Jonson, former president of United Technologies Electro Systems, Inc., Columbus, Miss., has been selected as recipient of the 14th Gamma Epsilon Distinguished Alumni Award.

The plaque was presented by Joan Olson, president of Gamma Epsilon, at the Annual General Engineering Honors Banquet on April 23.

A native of Elgin, Ill., Jonson attended Elgin high school and Elgin Community College. He was graduated from the University of Illinois with a B.S. in GE in 1956.

He was employed following graduation as a sales engineer by Cummins Engine Co., a manufacturer of heavy duty diesel engines. His employment was interrupted 1956-58 by service in the U.S. Army Chemical Corps.

In 1967, he joined Ambac Industries and held the positions of Vice President, Sales/Marketing and Sales Manager.

United Technologies Automotive Group acquired the firm in 1976 and Jonson served from time to time as Vice President and General Manager and as Vice President for Sales/Marketing — American Bosch Electrical Products Division.

He also has been President of the Instrument Division composed of Packard Instruments and Bacharach. This division manufactured gas chromatography systems, nuclear scintillation instrumentation, toxic and explosive gas detection instruments and diesel fuel injection testing and calibration equipment.

Most recently Jonson was President of Electro Systems. He was responsible for six plants located in the US and Europe and traveled extensively to Japan and Korea. Products included DC motors for power windows, power door locks, power steering, power brakes, radiator cooling fan motors and wiper motors.

The firm also manufactures starters of outboard engines, small gasoline engines, wiper motors, electric fishing motors, winches, fertilizer spreaders, aluminum die castings and automotive air conditioning systems.

Jonson retired on March 1, 1987, and has moved to Birmingham, Mi.

He and his wife, Carol, are parents of a daughter and a son.



The 1987 Elizabeth Ruff Award was presented to Carol L. Casada as the outstanding underclass woman. Shown left to right, Claire Ruff, Casada, Mr. and Mrs. Clairemont Ruff and Tom Ruff.



Distinguished Alumni Award Recipient Richard D. Jonson is shown with Joan Olson, president of Gamma Epsilon.

Jonson is President of the church council of Prince of Peace Lutheran church and is on the area executive committee for both the Boy and Girl Scouts and is on the advisory Board for the Mississippi University for Women.

He is a member of the board of the Automotive Hall of Fame and a board member of the AEA division of ASIA.

## Receives Navy Honor

A navy ceremonial sword was presented to Prof. Jerry S. Dobrovolny at the Tri-Service Military Ball, Saturday, March 28. The award was made by Vice Admiral D.R. Thunman, Chief of Naval Education and Training, Pensacola, Fla., on behalf of the ROTC Commanders at the U. of I.

The honor recognized the outstanding support by Dobrovolny of ROTC programs while serving on the Military Education Council during the past five years (four years as chairman.)

The citation reads: "Under your leadership, the Military Education Council has continued to build strong, effective relations between an outstanding University and a vital national program.

"During your tenure progress has been made specifically in areas of course accreditation, ROTC space upgrades and summer orientation programs."

Prof. Mark Spong read a paper, "Hybrid Impedance Control on Robotic Manipulators" at the 1987 IEEE Robotics and Automation Conference, March 1987, at Raleigh, N.C.

Prof. Scott A. Burns is author of a paper, "Generalized Geometric Programming with Many Equality Constraints" in the April 1987 issue of The International Journal for Numerical Methods in Engineering.

Prof. Juraj V. Medanic has received the second year extension of the grant from Lawrence Livermore National Laboratory for work on control of large scale systems based on a five-year research proposal. Research is performed jointly with the Coordinated Science Laboratory.

Prof. Manssour H. Moeinzadeh has had a paper, "Computer-Aided Musical Instrument for a Child with Cerebral Palsy," published in the April issue of the Journal of Practical Approaches to Developmental Handicap.

A research grant by the National Wheelchair Athletic Association has been awarded to Prof. Scott A. Burns. The study is Wheelchair Sport Training Research Computer-aided Design for Racing Wheelchairs.

## G.E. Department Honors Presented April 23 At Awards Banquet

An alumnus, a faculty member and 13 students shared the limelight at the Annual General Engineering Awards banquet April 23 at the University Inn.

**Thomas M. Tirpak** of Glenview, was recipient of the Edward S. Fraser Award at the outstanding senior scholar in G.E. The award includes \$200 in cash and a plaque and the student's name is added to a permanent wall plaque in the Transportation building.

The Randolph P. Hoelscher Award went to **Joel W. Storchman** of Decatur. The \$100 grant and certificate is annually presented to the outstanding junior student based on scholarship, leadership promise, activities and cultural development.

**Richard D. Jonson**, '56, was selected by Gamma Epsilon for The Distinguished Alumni Award. (Details are in a separate story).

**Prof. Michael Pleck** was honored as the outstanding Professor in G.E. The recipient as determined by Gamma Epsilon receives \$500 and a plaque.

The Elizabeth Ruff Award of \$500 was presented to **Carole L. Casada** of Mt. Vernon. This prize goes to a sophomore or junior female student who has earned a 3.75 or higher grade-point average who shows sincerity, unpretentiousness, consideration and a supportive nature.

Two students, **Tirpak** and **David S. Kotter**, a senior from Bourbonnais, each received \$500 as a recipient of the Ingersoll-Raud Award. Selection is based on academic achievement, leadership qualities, professional promise and career interest.

It also was announced several G.E. students had won University and College honors.

**Tirpak**, **Kotter** and **Michael R. Murphy** of Orland Park are Bronze tablet scholars. Their straight A (5.0) averages place them in the top three percent of all University graduates.

**Mary L. Bouxsein** of Princeton is recipient of the Grace Wilson Award given annually to the most outstanding senior woman in the College of Engineering.

The Stanley H. Pierce Award of the College of Engineering was presented to **Joan Olson** of Oneida. She was honored for having done most to develop empathetic student-faculty cooperation.

Other awards included:

**Brent O. Larson** Project Design Award (for 1986 Calendar year): \$150 each to **Jeffrey A. Gurosh** of Hazelcrest, **Lawrence M. Kaplan** of Warrenville, **Kevin Robert Nelson** of East Peoria, and **Chris Alan Weber** of Ashmore, for design of a disposal surgical stapler; and

\$75 each to **Dena L. Buntain** of Paris, **Darla J. Root** of Hampshire and **Jill Susan Thomas** of Springfield for ultraviolet coating cure test.

**Herbert J. Sprengel** Award: \$100 to **Mary T. Sims** of Flossmoor for a balsawood project.

## Engineering Dean To Retire

**Prof. Mac E. Van Valkenburg** has announced his retirement as Dean of the U. of I. College of Engineering. He has indicated he will stay until the end of the 1987-88 academic year or until his successor is appointed.



The four top award winners at the Annual Awards Banquet were (left to right): Prof. Michael Pleck, Outstanding GE Professor Award; Thomas Tirpak, top graduating senior; Joel W. Storchman, outstanding junior student; and Richard D. Jonson, Distinguished Alumni Award.

## G.E. Students Honored at St. Pat's Ball

General Engineering Department students were prominent among award winners announced at the annual St. Pat's Ball.

Of the 15 Knights of St. Pat selected from the College of Engineering to represent the outstanding character personified by today's engineer, three were from GE. **Joan Olson**, **Mary Sims** and **Tom Tirpak** were honored at the annual celebration.

**Joan Olson** also received the prestigious Pierce Award worth \$500. This honor is bestowed annually upon the senior in engineering that best promotes student faculty interaction.

The GE department also claimed the best honor society award through Gamma Epsilon. This recognition is attributed to the unique program initiated by this year's officers that gives freshmen an upperclassman as an advisor to help them through their early years.

## GE Alumni Membership Rises

Membership in the Alumni Association by General Engineering graduates continued to increase in 1986. A total of 1,000 of the 2,261 graduates are members, a percentage of 44. GE ranks second only to Commerce and Business Administration. There are 738 life members among the total of GE members.

**Prof. Juraj V. Medanic** will present an invited paper at the annual American Control Council Conference June 10-12 in Minneapolis, Mn. The paper is entitled, "Structural Decomposition Approach to Design of Robust Decentralized Controllers for Large Scale Systems."

**Prof. Manssour H. Moeinzadeh** in cooperation with U.I. Department of Veterinary Biosciences has received a research grant totalling \$84,427 from Ralston Purina Co. of St. Louis, Mo. This three-year project will study the "Application of Biomechanic Techniques in Early Diagnosis of Canine Hip Dysplasia."

The Electrical Engineering Seminar at the U. of I. on Dec. 4, 1986, was conducted by **Prof. Mark Spang**. The subject was "Application of Control Theory in Robotics."

## ALUMNI NOTES

**1926** Earl Paris Wells, retired, has moved to 5579-A Luzdel Sol, Laguna Hills, CA 92653.

**1932** James W. Frazier, MS '32, retired as a livestock and grain farmer in 1984. He has recently moved to 1540 18th #32, Charleston, IL 61920.

**1938** Eugene H. Pietsch, MS '39, Kansas State U., retired, now resides at 1201 Office Park Rd., West, Des Moines, IA 50265.

**1942** Paul P. Bolender is employed by Watubo-Tek Inc., Dubuque, IA. He resides at 12541 Greensview Dr., Roscoe, IL 61073.

Reuben O. Schlegelmilch, MS '40 Rutgers U., SM (Industrial Management) '55, MIT, has retired (April '86) as Technical Director, Office Research and Development, U.S. Coast Guard Headquarters, Washington, D.C. He lives at 8415 Frostway, Annandale, VA 22003.

**1943** Raymond M. Standahar, MSME '51 Case Institute of Technology, is now living at 5904 Mount Eagle Dr., Apt. 1106, Alexandria, VA 22303.

**1951** Clarence Phillip Niebow is a staff engineer to The Director of Engineering, Lockheed Air Services, Ontario, Canada.

**1956** George S. Van Schoick has become plant manager of Lioui Box Corp., manufacturer of dairy, beverage and wine bags in Santa Ana, CA. He retired from Union Carbide Corp. after serving 19 years as plant engineer in Ottawa and Alsip, IL and Rogers, AZ. He lives at 354 62nd Street, Newport Beach, CA 92663.

**1959** Cecil W. Stradley died suddenly in 1986. At the time of his death he was Vice President and General Manager, Spicer Universal Joint Division, Dana Corp., Toledo, OH.

**1964** Richard H. Miller, Jr., MBA '65, has moved from Littleton, CO, to 32 Columbus, Irvine, CA 92720. He has accepted a position as Assistant to the Financial Vice President, GSF Energy Inc., Long Beach, CA.

Robert Seyler, MBA, U. of Mich., '68, has relocated to Playtex Southern operations as manager of offshore sourcing. Seyler, his wife and two daughters reside at 510 Pine Circle, Peachtree City, GA 30269.

**1966** Lois Backer Roberts, Westport, CN has been elected President of Connecticut Engineers in Private Practice. Her consulting firm, Lois Roberts P. E. has recently expanded by increasing staff and moving to larger quarters.

**1967** Arthur B. Hillman, MBA '73, JD '74, has accepted a position as General Counsel of Bell South International Inc., Atlanta, GA. Hillman, his wife, son and daughter live at 7425 Compton Court N, Dunwoody, GA.

**1969** Lt. Col. LeRoy Conrad Basha is now F-4 Aircraft Commander/37 rfw Chief of Plans, USAF, George AFB, CA. He makes his home at 15485 Chole Rd., Apple Valley, CA 92307.

Thomas S. Figus, JD '72, has recently joined the law firm of Tennesen and Regan, Minneapolis, MN. A fourth child was born to the Figuses last June. The family lives at 1823 Fremont Avenue South, Minneapolis, MN 55403.

**1972** Frederick J. Fritz, MBA '74 Harvard, 2049 N. Home St., Chicago, IL 60614, has joined Wesley Jessen (a subsidiary of Schering Plough), a Chicago manufacturer of contact lenses. He is Vice President of Marketing and Sales for the previous 11 years he was in production management of Quaker Oats.

Kenneth F. Veasman has moved from Wood Dale, IL to 805 Devore Ave., Simi Valley, CA 93065. He has accepted a position as material Review Board Engineer with H. R. Textron, a designer and manufacturer of hydraulic controls for the aerospace industry.

**1974** Alex G. Bersin has been named Developmental Engineer-Disposable Products, Respiratory Care, Inc., Arlington Heights, IL. He makes his home at 1 Weston Ct., Streamwood, IL 60107.

Harold D. Harz has been promoted to Systems Engineering Manager, IBM-Southwest Marketing Division, Greensboro, NC. He resides at 5171 Vivid Cr., Stone Mountain, GA 30087.

James W. Redlich, JD '77 Suffolk U., 1406 S. Holmes Ave., Springfield, has been appointed legal advisor, Illinois Department of State Police.

**1976** Neil H. Compton has been named Product Manager — Southwest Region, Union Carbide Corp.-Linde Division, Danbury, CT. He is responsible for a major pipeline complex in the southwest. Compton has been with Linde for the past 10 years holding various assignments in several different locations. He lives at 47 Covered Bridge Lane, Danbury, CT. 06811.

Marianne Andrusek Goren has a position with KW Electronic Sales, Dayton, OH. The Gorens, who reside at 2285 Seneca Dr., Troy, OH 45373, had their first child, a daughter, in January 1987.

Gary Alexander Hettler has moved to 123 Connie Circle, Anaheim, CA 92806. He is Regional Safety and Fire Protection Engineer, Veterans Administration-Western Region, Long Beach, CA.

Joseph M. Racansky, MBA '81 Keller Graduate School, has been named Manager of Property Insurance and Loss Prevention Corp. Insurance, Union Camp Corp. at Wayne, NJ. He makes his home at 8 Deer Trail, Stockholm, NJ 07460.

Steven B. Todaro, JD '83 Loyola, New Orleans, is a marketing representative for Dresser-Rand Co., Metairie, LA. He received his Louisiana PE license in 1986. Todaro was married in Oct. 86 and the couple live at 6836 Milne Blvd., New Orleans 70124.

**Robert J. Weibel** who is a senior field service engineer with Westinghouse International Service Co., Ltd., Broomall, PA now resides at 112 Adelaide St., Hartford, CT 06114. Weibel went with Westinghouse upon graduation and has spent most of the time since erecting steam turbine and nuclear power plants in Taiwan, Spain and South Korea. He is the father of four children.

**Mark A. White**, MBA '80 Washington University, has been named General Mine foreman for Arch of Alabama, St. Louis, MO. He resides at 3B Lakewood, Northport, AL 35476.

**1977** **John Baruch** has accepted the position of manager of Business Planning and Packaging Corp. of America, Evanston, IL. He and his wife, Debra (MEd '78) and three children live at 816 N. Vail, Arlington Heights, IL 60004.

**Erik S. Maseng** started his own firm, Viking Controls, Inc. in Nashua, NH in October. The company specializes in automatic temperature control systems for commercial construction. Viking offers design engineering and are wholesale distributors for several temperature control products. The Maseng family lives at 8 Colleen Road, Nashua, NH 03062.

**1978** **Glenn A. Betourne**, MBA '84 Butler U., has returned to his first employer, Firestone Industrial Products, as Sales Account Manager in Noblesville, IN. He resides at 9434 Thornwood Drive, Indianapolis, IN 46250. Betourne reports, "I have heard some excellent comments on G.E. program from industry sources."

**Daniel J. Mendelson** is vice president of Albert Stanley Co., Evanston, IL. Mendelson, who resides at 2645 W. Greenleaf, Chicago 60645, became father of a son last August.

**1979** **Lincoln J. Dreher** has been promoted to Product Manager of Von Weise Technologies, St. Clair, MO. The firm manufactures gear motors, linear actuators and electronic controls. He lives at 3 Millicent Ct., Washington, MO 63090.

**Todd C. Green** is senior product engineer at Cohe Laboratories, Inc., Arvada, Co. The company is manufacturer of dialysis, monitoring and blood component therapy and processing equipment for the health care industry. His address is 1256A Milo Circle, Lafayette, CO 80026.

**James Richard Gunnison** who is with IBM in Charlotte, NC, has recently moved to 8263 Addison Dr., Harrisburg, NC 28075. The Gunnisons have three sons.

**Michael Roy Huber** was married in October '86 and has moved to 5651 Baines Holding, Milford, OH 45150. He is a design Engineer-Advanced Frame Design, General Electric-Aircraft Engine Group, Cincinnati, OH.

**Mark Allen Medvick**, Registered P.E. (Ind.) '83, has been promoted to Manager of Business Planning, Old Ben Coal Co. in Oakland City, IN. In addition to responsibilities for developing business plans for operations and marketing, Medvick manages the Information Systems and Materials Management Groups in the Division.

**1980** **Lt. John W. Peterson**, USN, is a student at the Surface Warfare Officers School Command at Newport, RI. He was awarded The Navy Commendation Medal for sustained superior service in Oct. '86 while on the NROTC staff at Northwestern University.

**Ralph T. Wakerly**, MBA '82, is marketing manager, Health Care Industry, Micro Card Technologies, Inc., Dallas, TX. Wakerly, his wife and two children reside at 1931 Avignon Ct., Carrollton, TX 75007. He writes: "My degree has been invaluable in working with a start-up company and a new high-technology product."

**1981** **Dean Askounis**, MS '82 (Industrial and Operations) U. of Mich., MS '84 (Computer Information and Control Engineering) U. of Mich., is a software engineer at GM Fan.

**Brian Eugene Brucher** has been recently named Senior Staff Quality Assurance Engineer at American Edwards Laboratories Division Baxter Travenol, Irvine, CA. The firm's product line includes Starr-Edwards Mechanical heart valve and Carpenter-Edwards bioprosthesis. Brucher, his wife and two-year-old son, reside at 1501 Sierra Alta, Santa Ana, CA 92705.

**John J. Schuh**, sales engineer with Reliance Electric Company, has moved to 2017 Atchison, Lawrence, KA 66046.

**James David Seatter** has been named Manufacturing Engineer at Raytheon Co., Waltham MA. He resides at 198 Kings Grant Rd., Marlboro, MA 01752.

**1982** **Carl Lewis Eichstaedt III**, MS (Mngt. '86) NW, has accepted a position as Associate, Government Bond Trader at the Chemical Bank, New York City. He resides at 145 W. 67th St., 12D, New York City 10023.

**Katherine Marie Hughes**, MS (Engr. Mngt.) '85, Stanford, is an Associate Information Developer with IBM, San Jose, CA. She lives at 1714 Cherrytree Lane, Mountain View, CA 94040.

**Janet Louise Ku Kuhn**, MS (Bioengr.) '83, MS (ME) '84, U. of Mich., is a doctoral candidate in bioengineering at U. of Mich. She was married last July to John Kuhn a U. of Mich. medical student.

**Gregory R. Reynolds**, MS '86, Dayton, has been discharged from USAF with rank of Captain. He has returned to the U. of I. and enrolled in the MBA program. A member of the UI Big 10 Championship track team, Reynolds was recently married to Eydie Piscopiuk.

**Martin L. Smith** has moved to 4343 Spring St., Apt. 10, LaMesa, CA 92041. He is a quality engineer with General Dynamics, Convair Division, San Diego, CA. His wife, Doris, G.E. '83, also is employed by General Dynamics, Space Systems, San Diego.

**1983** **Susan C. Bowen**, MSGE '85, has completed the 1½ year Westinghouse training program and accepted a position as manufacturing engineer in the firm's Marine Division at Sunnyvale, CA.

**Joe L. Brittin** has been named Nuclear Safety Associate with the Illinois Department of Nuclear Safety, Springfield, IL. He is involved in the agency's project with the U.I. Department of Nuclear Engineering research in designing a system for reactor monitoring and accident assessment.

**Julie A. Chalden Evans**, 1200 E. Hillsdale Blvd. I-B, Foster City, CA, is enrolled as a full-time student in the MBA program at San Francisco State.

**Jeanette S. Harms** is project manager for AT&T Communications, Pleasanton, CA. She is involved in the design and supervision of construction of fiberoptic and coaxial cable routes in California and Nevada.

**Michael Hartley** has been promoted to Project Manager of Manufacturing for the Fastex Division of Illinois tool works. He is responsible for acquiring, laying out and equipping two new production facilities. One plant is scheduled to go on stream in August. A second plant is planned for 1988.

**Todd B. Raufesen** has been named sales manager of Heeren Co., Moline. His new residence is 3868 26th Ave., Moline.

**Mark R. Rosenberger** has been named Scientific Programming specialist for the Chrysler Technical Computer Center, Highland Park, MI. He resides at 2119 N. Campbell, Royal Oak, MI 48073.

**Kim Marie Voss Schuelke**, 8107 Thornwood Rd., Louisville, KY, is a contract engineer for General Electric, Louisville. She and her husband, Marcus Schuelke (BS Aero Engr. '83), are parents of a daughter born in Oct. '86.

**John A. Walas** has been appointed research engineer with General Dynamics, Pomona, CA. He is involved

with research and development of C-Mos fabrication of integrated circuits. Walas resides at 2421 Foothill Blvd. 11-C, LaVerne, CA 91750.

**1984** **Toni Tegtmeier Baumann** has accepted a position as sales representative with John Fluke Mfg. Co. Inc., Palatine, IL, a major manufacturer of test and measurement equipment. She makes her home at 226 Whitewood Dr., Streamwood, IL 60107.

**Denise Lindsey Flora**, MS (ME) '86, U. of Calif. Berkley, gave birth to a daughter in September. She resides at 1534 Benton, Apt. D., Alameda, CA 94501.

**Kathryn Phillips Eaton**, 209 S. Oak St., Palatine, IL 60067, is an industrial engineer with Motorola, Inc., Schaumburg, IL. She was married in November '86 to **Zane C. Eaton**, BS GE '84, a control systems engineer for Recon/optical, Inc., Barrington, IL.

**Joseph Alan Kann**, MS (Mfg. Systems) U. of Wis. has been employed as project engineer for Allen-Bradley Milwaukee, WI. Kann, who resides at 1751 S. 115th Ct., Apt. 304, West Allis, WI 53214, was married last September.

**Kevin W. Krak** is a construction manager for Mobil Oil Corp., Fairfax, VA. He is enrolled in the MBA program at University of Virginia.

**1985** **Daniel T. Daldegan** is a marketing representative with Harris Corp. Computer Systems Division, Schaumburg, IL. The firm provides superminicomputers and applications software for the engineering and scientific marketplace.

**Kevin Jay Dunn** has moved to 4649 Reader, Warren, MI 48092. He is an engineer with General Motors in Warren.

**1986** **Ensign John Coronado** has been commissioned an officer in the USN following graduation from OCS at the Naval Education Training Center, Newport, RI.

**Ensign Louis F. Gross** has been graduated from the U.S. Navy Basic Civil Engineer Corps Officer Course at Port Huenewe, CA. During the two-month course he received instruction on engineering management, network analysis, financial management and naval organization.

**Yes, I am interested in attending the**

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