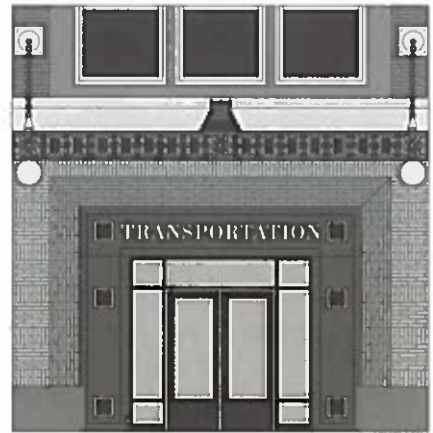


# University of Illinois at Urbana-Champaign General Engineering Alumni Newsletter

Volume 39, Number 1 • Summer 1997



## GE 75th Anniversary Celebration Highlights

GE alumni, former faculty members, and friends gathered on campus September 6 and 7, 1996, to help commemorate the department's 75th anniversary. A perfect fall day on Friday featured a luncheon at the Grainger Library to honor former faculty members, a tour of the library, guest lectures by four GE alumni and faculty, tours of labs in the Transportation Building, and a reception at the Champaign Country Club. On Saturday, alums came in from the rain to take a look once again at the Transportation Building, then attended the annual College of Engineering tent party before the Illinois vs. USC football game (which, unfortunately, wasn't as successful as the anniversary celebration).



In the words of Professor Emeritus Herbert J. Sprengel, "The highlights of the day were the excellent dinner, tour of the library, and meeting of many old friends." Please see Professor Conry's article for details on the featured speakers and the center section of this newsletter for a look at who attended the anniversary celebration.



*How much did the Transportation Building cost to build?*

*Who was the first department head in General Engineering?*

*Which GE professor was a pioneer in radon gas measurement?*

*What is Project EXCEL?*

*To find out the answer to these and many more questions, get a copy of The History of the Department of General Engineering.*

## Dobrovolny Book Traces 75 Years of General Engineering

*The History of the Department of General Engineering* has been published and is an impressive piece of work. Former Department Head and Professor Emeritus Jerry S. Dobrovolny has done a tremendous job of detailing 75 years, from the beginning days of the department through the curriculum development right up to the current

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## From the Main Office

This past year, the GE Department celebrated 75 years of graduating students with a B.S. in General Engineering. The curriculum was inaugurated in 1921 as a program in the Dean's office, providing a strong foundation in engineering with a minor in business. This combination remains popular and more relevant than ever 75 years later.

We had a gala celebration last fall to commemorate this milestone. Events included a luncheon in the Grainger Library to honor our retired faculty members, guest lectures, tours of GE labs, and an evening reception at the Champaign Country Club.

Following the luncheon, we held a symposium where we had alumni speakers from the last three decades, plus Professor Dan Metz. Jack Brown '66 started with a brief guided tour of his career in the food processing industry and his views on career paths that students graduating today will take. Brown just retired as vice-president of Kraft in Chicago and provided a unique perspective on how professional employment with large corporations has changed over the span of his career.

Bruce Holecek '71 gave a very humorous account of his first impressions and later interactions with Professor Jerry S. Dobrovolsky '43, MSME '47. Holecek and his spouse Jeri founded Hobbico Inc., the world's largest supplier of radio-control model products, while he was an MBA student at UIUC. He regaled the audience with stories and vignettes of funny incidents related to balancing schoolwork and starting the business.

Chris Landreth '83, MS TAM '87 provided seldom seen or appreciated facts and concepts behind his Academy Award-nominated animation film *the end*. Landreth is a senior animator at Alias/Wavefront in Toronto and is a key member of the team that develops animation software for Hollywood. He made it clear that the basis for developing this software is firmly rooted in engineering applications as well as art.

Professor Dan Metz finished off the afternoon with a 25-year retrospective of the changes in the department from the point of view of a faculty member. He traced his experiences as a freshly-minted Ph.D. assistant professor to senior member of the GE faculty, with plenty of humor and nostalgia.

I focused on this symposium because it illustrates the diversity of career paths our graduates take, yet they all were educated in the same department with a common educational philosophy. Our students are educated broadly and taught to take a systems view of problem solving. This formula has withstood the test of time and our graduates continue to rise to positions of leadership in whatever sector of business, academe, or government they choose to work.

Here's to the next 75 years!

A handwritten signature in cursive script that reads "Thomas F. Conry".

Tom Conry  
Professor and Head

## GE History

*continued from page 1*

successes with our senior design activity.

The department has put a strong emphasis this year in expanding the number of student awards and scholarships and in building up the existing awards and scholarship funds. Copies of *The History of the Department of General Engineering* will therefore



be made available to those who contribute at least \$100 to one of the department's award or scholarship funds. Please use the form found on page 23 to indicate which fund you would like to donate to,

send it in, and a copy of the history will be sent to you. Students in the department will benefit from your generosity, and you will have a wonderful remembrance of GE in return.

## New Student Awards Thanks to Generous GE Alumni and Faculty Members

Over the past several years, the department has increased efforts to provide student scholarships and awards to attract and keep the best and brightest students in General Engineering. We are pleased to announce that due to the generosity of GE alumni and a former GE faculty member, four new student awards have been created. The first recipients were announced at the spring banquet on April 10, 1997.

### Jewett Award

Professor Robert A. Jewett was a member of the Department of General Engineering from 1953 through 1976. Jewett taught engineering graphics, the history of engineering, and the senior project design course. He was well liked by students and fellow faculty and staff members and is remembered by alumni in follow-up surveys for his influence in technical, professional, and personal development.

Professor Jewett has retired to Florida, where he reports he is 85 years old and "in excellent health." He lives in a retirement village in Lakeland and is active in the hand bell choir.

We were very pleased to hear that Professor Jewett wanted to set up the Jewett Award Fund for GE students and have worked to put together criteria for the Jewett Award that will recognize a GE student who best exemplifies the qualities that Professor Jewett brought to our department. The Jewett Award will be given annually "to the junior student recognizing outstanding leadership qualities" and includes a check for \$500.

*1997 winner: Sarah Beckman*

### White Awards

Don and Dorothy White have announced the formation of the Dorothy B. and Donald W. White Endowment Fund to provide two \$2,500 scholarships to "outstanding GE students, with a preference given to students with secondary fields in construction engineering or nondestructive testing."

Don White graduated from the Department of General Engineering in 1950 with an emphasis in civil engineering courses. He had a long and interesting career in commercial and industrial construction, centered mostly in the Chicago area. White did a significant amount of work in Oak Brook, Illinois, during the 1960s and '70s growth boom, with construction in numerous office towers, hotels, and headquarter buildings. He also worked on the construction of the the world's tallest concrete structure at 311 South Wacker in the Chicago Loop.

The Whites provided a substantial gift to the department and to the World Heritage Museum. White tells us he truly enjoyed his career in engineering and wanted

to "support and encourage education by a dedicated sophomore and also a junior engineering student to pursue the challenge of their future careers in the field of construction."

*1997 winners: Frank Maciasz and David Schultz*

### GE Alumni Award Fund

The president of the GE Alumni Board, Thomas Prickett '60, has personally kicked-off the start of the GE Alumni Award Fund. It is envisioned that through additional contributions from alumni, the award fund will eventually provide ten to fifteen student awards. Based on a combination of leadership and scholarship, recipients of the GE Alumni Award will receive \$1,000 for their junior year. The award can be renewed for their senior year.

*1997 winner: Kennda L. Lynch*

The leadership gifts provided by Professor Jewett, the Whites, and Tom Prickett are deeply appreciated by the faculty, staff, and especially the students, current and future, in General Engineering. We thank you.

## Sprengel Award Receives a Boost

Professor emeritus Herbert Sprengel made a visit to the General Engineering offices last summer from his home in Florida and surprised us with a donation to the Sprengel Award Fund. The Fund was established in 1978 upon Professor Sprengel's retirement and is dedicated to the outstanding GE 232 Balsa Wood Design. Professor Sprengel's donation allows the continuity of the award, and we deeply appreciate his contribution.

1997 winner: *Se Uk Oh*

## GEPS Professional Library Puts Another Tool in GE Students' Toolbox

Through a generous donation from Professor David Goldberg and his wife Mary Ann, the General Engineering Placement System (GEPS) Professional Library Fund has been established. The purpose of the fund is to set up a library to provide GE students with written and audiovisual materials that will assist them in obtaining internships and permanent positions. The types of materials that will be included range from résumé and cover letter books, to interview technique tapes, to company profiles.

GEPS was established in 1994 to give GE students additional employment leads, mainly through alumni contacts. In addition, GEPS works to educate companies that are not as familiar with the general engineering degree so that they will realize what GEs have to

offer. GEPS is run strictly by GE students and to date has proven to be a successful tool in our students' job search efforts. The Professional Library will provide an additional resource for GE students to use. Donations of either materials or funds to purchase additional materials for the library are always welcome and can be made using the form on page 23.

## Faculty and Staff News

Professor Wayne Davis is now finishing his year-long sabbatical, during which he launched several new research programs. His biggest effort is sponsored by the Department of Defense's Rapid Acquisition of Manufactured Parts Program. Here he is developing a new simulation tool that will support the master production scheduling for an entire facility. To meet the challenging requirements of the program, there are now twelve undergraduate students from several engineering disciplines developing the software. He plans to deliver the final product by December 1997.

Davis is also collaborating with the Intelligent Systems Division at the National Institute of Standards and Technology. The goal for this collaboration is to develop a comprehensive architecture for the distributed intelligent control of large-scale systems such as a manufacturing corporation or an air traffic control system. He will also be offering a new graduate course next fall covering his research in intelligent controls.

Professor David Goldberg has been the keynote speaker in the past year at the following: Genetic Programming '96 at Stanford, 1996 Japan Simulation and Gaming Conference, Osaka, and the Joint Conference on Information Science, Research Triangle, North

Carolina, and ECCOMAS in Paris, France. Goldberg's book *Genetic Algorithms in Search, Optimization, and Machine Learning* has been translated into Polish and French.

Goldberg completed the 1995 and 1996 Chicago Marathon with a best time of 3:58:10 in 1995. In his spare time, he has been working on science fair projects and reading to his two sons, Max and Zach.

Professor Brent Hall was invited to serve on the awards jury for the 1996 Lincoln Arc Welding Foundation Awards Program for undergraduate and graduate engineering students. The three-member jury met in Worcester, Massachusetts, for 11 days to read reports submitted by student design teams and individuals. The jury individually rated the reports and then re-evaluated them at a final meeting. The names of students and institutions were removed from the reports before evaluation, and he disqualified himself from projects he advised in GE. Hall was impressed by the overall quality of the engineering projects submitted to the program and brought back some insights to help the GE Department in future competitions.

Elsewhere on the East Coast last summer, by coincidence, Hall was able to enjoy comparing two very long bridges. The first was the 7-mile Chesapeake Bay Bridge, which he traveled across en route from a meeting on cold-formed steel design in Norfolk. Later, on vacation, he observed the 9-mile Northumberland Strait Bridge, under construction in Canada, from the deck of a ferry. He is looking forward to using the impressive new bridge on his next trip to Eastern Canada.

Sheryl Hembrey, Department Administrator, received her B.S. in business administration from UIUC in December 1996. *Congratulations.*

Debbie Hilligoss has joined the department as a secretary. Welcome to GE!



Peggy Hills receives her 1996 Chancellor's Distinguished Staff Award from Chancellor Michael Aiken.

**Peggy (DeWitt) Hills**, program coordinator for GE 242, Senior Project Design, was awarded the prestigious 1996 Chancellor's Distinguished Staff Award. The award is designed to recognize outstanding contributions to the work of the university by members of the staff. In addition, she received the Eagles Award for Outstanding Achievement, given by the career occupations faculty of Eastern Illinois University. Hills is currently working on her B.S. in career occupations at Eastern. Many of us know her as the driving force behind the timely completion of GE Senior Design Projects. We congratulate her on these well-deserved recognitions for her many years of dedicated service to the GE Department and the university.

Professor **Dan Metz** has been busy teaching GE 324 (Discrete Controls) and GE 242 and doing research into vehicle dynamics and accident reconstruction issues. Metz was called on by Championship Auto Racing Teams, Inc. (CART), to serve as an expert witness in the Al Unser Jr./Portland IndyCar protest and has been advising several graduate students doing theses in vehicle dynamics. As always, he is spending a great deal of time at the Indianapolis Motor Speedway, reconstructing accidents that occur during the Indy 500 and Brickyard 400 races. He also helped as a consultant to

design the IndyCar one-mile oval track at Walt Disney World in Orlando, Florida.

Metz reports that he has lost no more than a half-step on the handball court, but that the half-step loss is pretty significant. He invites all former students to stop in and visit when in Champaign.

Professor and Associate Department Head **Michael Pleck** is the winner of the 1996 Robert P. Larsen Human Development Award from UIUC. The award is given to an individual who makes significant contributions to the campus consistent with the Counseling Center's goal of enhancing student development and maximizing student capabilities to make effective and satisfying life choices. Pleck has also received a Distinguished Teaching Award from Delta Sigma Omicron, which honors UIUC teaching faculty and staff for advocating or implementing instructional strategies, technologies, and disability related accommodations that afford students with disabilities equal access to academic resources and curricula at UIUC.

Many GE students through the years who have been helped by Pleck's wise counsel know how deserving he is to receive these awards. Congratulations to Professor Pleck.

Professor **Henrique Reis** has received funding from the Illinois Department of Transportation to use nondestructive testing and evaluation methods to characterize damage in concrete bridge decks

with bituminous overlays. He has also developed a secondary field in NDT & E to integrate the principles of NDT & E into student's design curricula to learn how to design for inspectability.

In March 1997, Reis served as the chairman for a national committee on NDT & E of infrastructure for the American Society for Non-Destructive Testing (ASNT) Research Council. At the conference, held in Houston, he was elected to the position of vice chair of the research council of ASNT.

Professor **Mark Spong** attended the 35th IEEE Conference on Decision and Control in Kobe, Japan, in December 1996. At the conference, he received a certificate of election to IEEE Fellow "for contributions to the control of robot systems using nonlinear control theory." In addition, he presented two papers, served on the program committee, and organized and chaired a special session on New Trends in Laboratory Instruction in Control and Robotics.

Spong has also assumed the duties of editor-in-chief of the IEEE *Transactions on Control Systems Technology*. He is one of four people chosen to participate in an exchange program between UIUC and Katholieke Universiteit Leuven, Belgium's largest university. Spong will attend the 1997 AFAC Conference on the Control of Industrial Systems in Belfort,

*continued on page 6*

## Faculty and Staff News

*continued from page 5*

France, and will present the paper *An Experimental Evaluation of Riemannian Curvature-Based Feedback Linearization for a Direct Drive Manipulator*.

Spong has formed a company, Mechatronic Systems, Inc., to manufacture and sell the Pendubot, which is an inverted pendulum-like device for education and research in control and robotics. Information about the company can be found on the web site at <http://www.prairienet.org/msi>.

Finally, Spong's air-hockey-playing robot project continues to generate interest and excitement in the popular press. Articles have been featured in the local media, *Aviation and Space Weekly*, and *Newsweek*. In addition, a photograph of the air hockey robot will appear in the next edition of the *World Book Encyclopedia*.

Professor Ramavarapu Sreenivas presented papers at WODES-96: Workshop on Discrete Event Systems in Edinburgh, Scotland, in August, IEEE Conference on Control Applications in Dearborn, Michigan, in September, and 35th Conference on Decision and Control in Kobe, Japan, in December. In March 1997 he gave a series of talks at the Center for Intelligent Machines at McGill University in Montreal and was an invited speaker at the IEEE Robotics and Automation Conference on Discrete Event Dynamic Systems in April.

Katie Carnahan (pictured with her Dad) lets Professor Henrique Reis know who is in charge.



Professor Mark Spong demonstrates his air hockey robot.

Professor Deborah Thurston won the 1996 Eugene L. Grant Award for Best Paper of the Year in *The Engineering Economist* (Vol. 40, No. 1, 1994) for "Decision Theory for Design Economics," which she coauthored with one of her Ph.D. students, Angela Locascio. Locascio traveled to the ASEE conference to accept the award.

## Baby Boom

1996 saw a jump in the female population in the Department of General Engineering. Six girls were born to faculty and staff families. While GE has always ranked high in percentage of female students, we are apparently planning on continuing that trend in the



future. In order of birth:

Zsayla Valene, born on March 11 to department secretary Eva Moore and her husband Edgar Brummett.

Cathleen (Katie) Thurston Carnahan, born on March 27 to Professors Debbie Thurston and Jim Carnahan.

Alyssa Brianna, born on March 29 to department secretary Holly Tipword.

Liana Carsyn, born on May 10 to Professor Bill Woodard and his wife Pam.

Jordyn Abrianna was born on September 9 and is the first grandchild of GE 242 coordinator Peggy Hills.

Natalie Anne, born on September 25 to alumni coordinator and newsletter editor Maureen Krauss and her husband Dean.

Welcome to the youngest GEs!

## Passings

Sharon Hugelma, wife of Professor Emeritus Rodney Hugelma, passed away in October 1996 of inoperable cancer.

Dean Emeritus Mac Van Valkenburg passed away in March 1997 in Murray, Utah. Van Valkenburg was Dean of the College of Engineering from 1984-1988.

## Mildred M. Rose Leaves Behind Legacy for Her Husband and Herself

The department was saddened by the passing on August 1, 1996, of Mildred Maddux Rose. Affectionately known to her family and friends as Millie, she was the wife of the late Lisle Abbot Rose, who taught in the department in 1954 and 1955. Before his appointment in General Engineering, he worked



as a professor, editor of engineering publications, and director of engineering information and publications for the College of Engineering.

Mrs. Rose worked in the department as well, serving as special assistant to the head of the department. She edited the *General Engineering Alumni Newsletter* and other publications of the department until June 1983. She was also known as a patron of the arts and was a strong supporter of the Krannert Center.

Mrs. Rose wanted to provide recognition of GE students and honor her husband's memory. In 1995, the Mildred Maddux and Lisle Abbott Rose Scholarship was established. Upon her death, a

\$50,000 endowment was enacted to provide these awards in perpetuity. The award is given to recognize GE sophomores or juniors, and eligibility requirements include academic accomplishment, extracurricular activities, and cultural breadth, including music, history, and the arts.

The department is pleased to have been remembered by Millie Rose and carry forward her commitment to recognizing outstanding GE students through the Rose Scholarship Fund.

*1997 winners: Emily Graves and Chagit Steiner*

## ISGE Promotes Student Involvement

Aimee Frake, ISGE president

ISGE membership is better than ever this year with more than 150 members. General meetings have focused more on interaction with short projects and contests, allowing members to get to know each other better. Other activities this year included weekly trips to the indoor climbing gym on campus, movie nights, weekly coffee, donuts, and bagels, a Euchre tournament, and a plant trip to the virtual cave at the Beckman Institute.

Currently, the board is coordinating faculty/student lunches called "IMaGE Lunches." These lunches provide an opportunity for students to discuss research, graduate school, and other interests with any GE faculty member. There was also a canoe/camping trip and a second plant trip to St. Louis. To finish off this busy year, ISGE, along with Gamma Epsilon and GEPS, had the annual GE Spring Picnic on April 25. Activities for this event included volleyball, faculty vs. students softball game, and good food.

## Gamma Epsilon Has a Busy Year

Kerry Zakrzewski, president,  
Gamma Epsilon

Gamma Epsilon was involved in many activities in fall 1996. The society initiated 12 new members at the fall banquet. GE alum Tom Prickett ('60) spoke at the banquet about his experiences as an engineer. Gamma Epsilon sponsored a Secondary Field Night for underclassmen uncertain of a secondary field and co-sponsored the fall picnic with ISGE. Finally, a mentoring program for freshmen and transfer students was initiated to help students with their transition into life at UIUC.

In the spring 1997 semester, Gamma Epsilon initiated a new group of members at the spring awards banquet. Another Secondary Field Night was held. Gamma Epsilon also organized a Faculty Day, where GE students could discover the many research projects that GE faculty members undertake. Finally, the semester ended with the popular spring picnic, co-sponsored with ISGE.

## General Engineering Placement Service (GEPS) Grows with a Bang

Trevor Hutchinson,  
GEPS chairman

At the 1997 Knight's of St. Pat Ball, the 1996-97 GEPS Committee accepted the highest award given to a student organization, Engineering Council's Outstanding Society Award, given in recognition of prominent contributions to the College of Engineering and Department of General Engineering.

Through the past year, the GEPS Committee has been assisting fellow GEs in finding employment, both internships and permanent placement. With the help of GE alumni, GEPS released the 1996-1997 *GEPS Student Handbook*. This year's edition of the handbook contained more than 150 job leads provided by GE alumni and the Engineering Placement Office, résumé and cover letter writing tips, and information on how to use the GEPS system.

In January 1997, GEPS sponsored the ultimate job-search workshop, *JOBAPALOOZA II*. Some of the biggest names on the

engineering campus and experts from off campus gave presentations regarding key topics in job searching. Sessions included networking, how to use the EPO, interviewing tips, résumé writing, evaluating a job offer, and selling yourself as a GE. The event was set up like a professional conference, with a kick-off event the night before the conference and workshops all day Saturday. Business attire was required. *JOBAPALOOZA II* was a huge success, with 80 students in attendance.

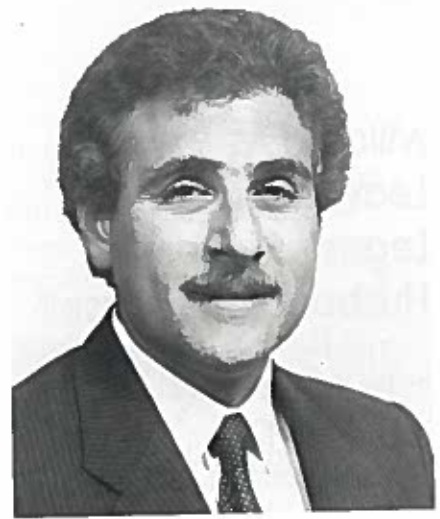
GEPS is a student-run organization and is grateful for the assistance of all GE alumni who responded to our survey, as well as to Peggy Hills, Maureen Krauss, and Professor David Goldberg who provide departmental support.

*Congratulations to the award winning GEPS program for a fantastic year.*

## Gamma Epsilon Honors GE Distinguished Alumnus, Others at Awards Banquet

The Gamma Epsilon 1996 Spring Banquet recognized many deserving students and faculty members and the 1996 Distinguished Alumnus Award Winner. In addition to bestowing numerous awards at the banquet, spring initiation was held, and 12 new members joined the ranks of Gamma Epsilon members.

The 1996 Gamma Epsilon Distinguished Alumnus Award was presented to Jeffrey M. Morris, GE



'70. Morris, who earned a J.D. from the Washington University School of Law in St. Louis in 1973, is a patent attorney and president of Telephone Products, Inc. (TPI). He is the inventor of a telephone rotary connector, which is now sold and marketed worldwide under the trademark "Untangler." TPI also markets the Untangler as a corporate promotional product.

Jeff Morris is a familiar face in the department, giving generously of his time in the past several years to become one of our featured speakers in the GE 291 Senior Seminar class. GE students have always appreciated his insights not only into the legal side of product development but manufacturing and marketing as well.

He and his wife Rebecca live in Buffalo Grove, Illinois, and have three children, David, Daniel, and Allison, who is a junior here at UIUC.

The following undergraduate awards were also given at the spring 1996 banquet:

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Edward S. Fraser Award for the outstanding senior: *Brin Eileen Schuler*

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Randolph P. Hoelscher Award to the junior student who has achieved exceptional scholarship and leadership: *Sarah A. Beckman*

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Mildred Maddux and Lisle Abbott Rose Scholarship to recognize an outstanding GE sophomore or junior: *Amanda M. Veihman*

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Jerry S. Dobrovolsky Award to the senior student recognizing outstanding leadership qualities: *Waymond Eng*

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Herbert J. Sprengel Award for an outstanding GE 232 balsa wood design: *Brian Goldberg*

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Gamma Epsilon Excellence in Teaching Award: *Professor Bill Woodard*

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The Lincoln Arc Welding Foundation Awards are detailed to the right.

Congratulations to all of the deserving winners. Entries for the 1997 Senior Design Project awards were submitted June 15 and will be announced next spring.

## Second Sweep in a Row

In 1995, GE 242 teams won 9 awards in the Lincoln Arc Welding Foundation Awards design competition. How could we top that in 1996? Well, by winning 10 of the 20 awards assigned to undergraduate students: 1 gold award, 1 bronze award, and 8 merit awards. Since GE 242 teams began to enter the competition in 1968, they have won a total of 69 awards. We are proud of this year's winners and their advisers for such an outstanding performance.

## Gold Award

**Title of Project:** *Glue Optimization for Package Strength*  
**Team:** Michael Fasolo, Wayne Lee, Diane Steinkamp  
**Faculty Advisor:** Manssour Moeinzadeh  
**Sponsor:** Anheuser-Busch Company, St. Louis, Missouri

## Bronze Award

**Title of Project:** *Corn Steep Water Evaporator Fouling*  
**Team:** James Fisher, Joseph Kirkey, Rodney Phillips  
**Faculty Advisor:** Harry Wildblood  
**Sponsor:** Archer Daniels Midland Co., Decatur, Illinois

## Merit Awards

**Title of Project:** *Spurious Response in Engine Knock*  
**Team:** Ian Bruce, Marc Koepfel, Adam Lack  
**Faculty Advisor:** Henrique Reis  
**Sponsor:** Eaton Corporation, Rochelle, Illinois

**Title of Project:** *Fan Redesign for a Gasoline Powered Vacuum*  
**Team:** Joshua Fredrickson, Chad Peterson, Matthew Woessner  
**Faculty Advisor:** L. Daniel Metz  
**Sponsor:** Minuteman International, Inc., Addison, Illinois

**Title of Project:** *Design of a Modular Drawer Suspension System*  
**Team:** Jennifer Antanaitis, Michael Brennan, Darren Kennell  
**Faculty Advisor:** Roland L. Ruhl  
**Sponsor:** Sycamore Systems, Inc., Sycamore, Illinois

**Title of Project:** *Glass Quality*  
**Team:** Gregory Faber, Ericka Olson, Erik Parks  
**Faculty Advisor:** Harry S. Wildblood  
**Sponsor:** North American Glass Fabrication, Bensenville, Illinois

**Title of Project:** *Needle Assembly Redesign*  
**Team:** Jennifer Bounds, Paul Klaus, Anselmo Rosa, Peter Wong  
**Faculty Advisor:** Wayne J. Davis  
**Sponsor:** Testor Corporation, Rockford, Illinois

**Title of Project:** *Monitoring Tool Wear*  
**Team:** Bill Huffman, Matthew Jackowski, Aaron Voegelé  
**Faculty Advisor:** Henrique Reis  
**Sponsor:** Elco Industries, Inc., Rockford, Illinois

**Title of Project:** *Lean Engineering Approach to Packaging of Major Appliances*  
**Team:** James Beier, Waymond Eng, Michael Pape  
**Faculty Advisor:** Manssour Moeinzadeh  
**Sponsor:** General Electric Company, Louisville, Kentucky

**Title of Project:** *Fluid Bath for Testing Thermal Response Time of Thermometers*  
**Team:** Peter Ditmars, Janice Holba, Melisa Olson, Dan Pawlak  
**Faculty Advisor:** Roland L. Ruhl  
**Sponsor:** Watlow Gordon Co., Richmond, Illinois

## A Million Saved Is a Million Earned

Four recent GE 242 projects pointed out potential for tremendous savings for their sponsors.

A team that was working on a knock sensor for Eaton in Rochelle, Illinois, came up with a new design that was cheaper to produce and eliminated the nagging scrap expense, which was the original purpose of the project. The new design is in production now. Savings are estimated at \$850,000 per year over the next three to four years. Advised by the infamous Professor Reis, this team won a 1996 Merit Award in the Lincoln Arc Welding Foundation Competition.

A team that was examining the method of glue application for the 12-pack of beer for Anheuser-Busch in St. Louis, Missouri, was able to determine that by repositioning the glue strips, one of the three glue applications became redundant. Tear strength and reliability goals for the packaging could be met with more than \$1,000,000 savings in glue. Advised by Professor Moeinzadeh, this team won the 1996 Gold Award in the Lincoln Arc Welding Foundation Competition.

A team that studied the packaging of major appliances for General Electric Appliances in Louisville, Kentucky, came up with some options that could save more than \$1 million per year if successfully implemented. Also advised by

Professor Moeinzadeh, this team won a 1996 Merit Award in the Lincoln Arc Welding Foundation Competition.

Yet another team working on the accounting system for the Gas Research Institute in Chicago noted that changes in procedures could increase their royalty revenues by several million dollars. Until put into action, the exact amount of the savings cannot be known. This team was advised by Professor Goldberg, and the project came to us vis-à-vis Gerald D. Pine ('69).

## GE Alums Sponsor Senior Projects

Our alumni have been very active in proposing projects for GE 242, Senior Design Project. During the past year, we had general engineering teams focused on projects that came to us from

*Gerald Pine, '69, Gas Research Institute, Chicago, Illinois;*

*Kevin Krakora, '94, Hyster, Danville, Illinois;*

*David Torri, '93, Grayhill, Fox River Grove, Illinois;*

*George Thomas, '83, Bison Gear & Engineering Corp, Downer's Grove, Illinois;*

*Fred Jewell, '87, MSGE '89, Dan Krueger, '87, and Bill McGrath, '93, Andersen Consulting, Chicago, Illinois; and*

*Jack Brown, '66, Kraft Foods, Northfield, Illinois.*

We appreciate the support of these alumni, and we also know they have been the beneficiaries of some excellent engineering work by our graduating seniors.

## Teamwork for a Quality Education: Integrating Teamwork into the GE Curriculum

This past semester, 41 General Engineering students signed up for the inaugural class of Teamwork for a Quality Education (TQE). TQE is a cooperative effort between GE students, faculty members, alumni, and industry and aims to empower GE students to obtain the highest quality education through the formation of teams. TQE teams are encouraged to obtain the highest quality education through high academic performance, the performance of service projects in the department and the community at large, and through internship and job placement activities. The team that places the highest in these three areas at the end of the semester is awarded the O'Bryant Cup, named after former associate department head, David C. O'Bryant.

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*We like the idea of TQE, and we'd also like to have the chance to show young engineers the many opportunities in the telecommunications field.*

—Jerry Hogan, '59,  
Bechtel Telecommunications

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According to Professor David E. Goldberg, the program coordinator, "Young engineers today are expected to perform in diverse teams that reach across the enterprise. Senior design, GE 242, prepares students for such assignments, but further integration of teamwork into the curriculum must take place earlier and more often." Corporate and alumni response has been enthusiastic. This semester's two teams are being sponsored by Bechtel Telecommunications and Jerry Hogan, '59, and Andersen Consulting and Dan Krueger '87. Corporations



## Note from the President

Did you ever think about the act of giving? Have you ever thought about why you don't—or why you did give? Think about this: why don't we give anything? Perhaps we just don't have it. Maybe you have kids in college and need the money elsewhere. Maybe you'd like to, but that new house or car is higher on the priority list. Or conceivably you need that vacation in Europe.

On the other hand: why do you give anything to anybody? Might it be to promote an idea, issue, or a particular person? Might it be an ego trip? Is it your duty? Do you feel guilty if you don't? Is somebody putting pressure on you because you brag about how much money you make? Or maybe you want to take advantage of some tax laws. Perhaps it is only fair to give if someone in your past has helped you advance your career—like the General Engineering education that you received along the way to your success. I'm not talking just about big money, but any amount.

Hmmm?

With me, I gave to the fund mainly as an ego trip and to help the program. I appreciated the kind of ideas that I got from the professors when I was in school. And I liked the attitude of everyone back then—in particular the “non-nerd” and practical side of many of the personalities of my fellow students. I liked that! Finally, I had the money, mainly earned by the training, perspectives, and broad outlooks that I came away with after going through the program at Illinois.

Does this ring a bell with you? Now is the time to promote this program by helping the students. Whether it is \$10 or \$100,000. Every bit helps to foster this total General Engineering idea. Do it now!

Tom Prickett '60  
President, GE Constituent Alumni and Industry Advisory Board

provide funding for the teams, career advice, and the possibility of internships and co-op programs.

*We want to help young GEs get started, and we especially want them to be thinking about their career options early on. If some of the team members choose a career in consulting, particularly Andersen Consulting, so much the better.*

— Dan Krueger, '87,  
Andersen Consulting

TQE appears to be the wave of the future, with early results indicating that an integrated teamwork experience can deliver a high-quality educational experience and better trained engineers. For those interested in more information on

TQE or in possibly sponsoring future TQE teams, contact David E. Goldberg at deg@uiuc.edu, 217-333-0897, or Maureen Krauss at m-krauss@uiuc.edu or 217-333-0140.

## Alumni Updates

### 1920s

Joseph L. Pertel '27 passed away on October 23, 1995. He was retired from Western Electric.

Ralph Landon '28 retired from AT & T Co. in 1972 and lives in Atlanta, Georgia.

Rudy Lotz '28 is living in Suffolk, Virginia, and occasionally participates in sailing races.

### 1930s

A. Callaway Allen '30 passed away on September 17, 1994.

George G. Youngstrum '37 passed away on June 6, 1996.

### 1940s

Bill O'Connell '47 recently retired from the *Peoria Journal Star*, where he covered the Illinois General Assembly for forty years. He and his wife have five children and eight grandchildren.

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# General Engineering 75th Anniversary



A Memorable  
Weekend



## Alumni Updates

*continued from page 11*

### 1950s

**Paul A. Erley '50** retired from C & E Sales of Dayton, Ohio, in 1982. He was founder and president of C & E Sales. Erley was also a scout leader of Kiwanis for 15 years and was a member of the Ham Radio KB71LX general class.

**Robert P. Bovee '51** passed away in August 1995. He was employed with Bovee Engineering Sales.

**Richard V. Brouillette '51** is retired from People's Gas, Light & Coke Company. He resides in Bloomingdale, Illinois.

**Donald E. Huffman '53** retired in 1991 and lists his current activities as traveling to Civil War sites, going to the movies, and vacationing.

**Myron Bernard '56** is an affiliate professor for the civil engineering masters program at Washington University in St. Louis.

**John T. Kutilik '57** retired from General Electric in 1993, where he was an engineering supervisor. He and his wife Rea moved to Northern Michigan last year and are restoring an old house.

**Joe Plomin Sr. '57** is a sales engineer for Stewart Warnen Institute in Mt. Prospect, Illinois.

**James F. Gaffney '59** is the director of the Center for Manufacturing at the University of Texas-Pan American, which provides assistance to manufacturers through problem resolution, technology transfer, work force education and training, and manufacturing support.

**Jerry Hogan '59** is the general manager of the Telecommunications Division of Bechtel Corporation in Frederick, Maryland.

**William J. Puskac '59** passed away on February 9, 1996. He was married to Joella Sneyd and lived in Rockford, Illinois, where he was employed as an engineer at Sundstrand Corporation for 36 years.

### 1960s

**Russell J. Hurliman '60** retired from FMC Corporation in Hoopeston, Illinois, in 1992, where he was a senior design engineer. He presently teaches evening classes at the Danville Area Community College.

**Tom Prickett '60** is the president of Thomas A. Prickett & Associates, Inc., in Urbana, Illinois.

**James G. Govia '61** is principal and vice president of Casco Corporation in St. Louis, Missouri.

**Brian R. Bachman '67** was named senior vice president of Semiconductor and Specialty Systems at Eaton Corporation in Cleveland, Tennessee, in January 1996. He joins Eaton from Philips Electronics N.V., where he was vice president and general manager for the Standard Products Business Group of Philips Semiconductor in Sunnyvale, California.

**Gary R. Allie '69** is a regulations manager at Inland Steel Company in Chicago.

### 1970s

**Wesley R. Davis Jr. '70** recently received his master's degree in business administration with distinction from Keller Graduate School of Management. He also earned and received the Graduate Certificate in Project Management. Davis is the director of Corporate Engineering Data Services with Klein Tools, Inc., in Chicago.

**Jim Harris '70** retired from Schlumberger, Ltd., in 1993 after 23 years. He is currently a senior environmental engineer with the State of Georgia Environmental Protection Division.

**Louis J. Mancini '72** was named to the position of VP Engineering & Technical Support for United Airlines in San Francisco in December 1995.

**Shular Scudamore '72** started a new business called A Sign Company, Inc., in January 1995. The firm designs and produces banners, signs, full-color pictorial signs, vehicle graphics, and decals using computer automated equipment. He is also president of the Aurora (Illinois) Bicycle Club.

**Dennis Sadowski '73, MSEG '74** is an engineer for Bowman, Barrett & Associates in Chicago.

**Jim D'Orazio '75** is a compliance manager at Inland Steel Company in Chicago.



Bill Evans '64, Tom Kusek '74, and guests at the June 1996 Chicago reception.

**Michael D. Brunetto '76** received his MBA from Washington University in St. Louis in 1984. He was recently named general manager of the Business Development Group of Anheuser-Busch, Inc., which provides business consulting and sales training services for the Anheuser-Busch field sales force and 900+ distributors nationwide.

**Steve Todaro '76** is the new vice president of engineering for Weatherford Enterra Compression Company and heads the company's natural gas compression design and product development group.

**Harold D. Albrecht '77** is seeking re-election to the Ohio High School District 505 Board of Education. He and his wife, Romaine, live in rural Ohio and have three children, Alisa, Hanna, and Samantha. He is employed in well drilling, contracting, and farming.

**John T. Daum '78** is the instructor for computer integrated manufacturing at Richland Community College. He recently gave a speech to the Golden K Kiwanis Club on technology and economic change. John is a former Borg-Warner and Airfloat engineer.

**Cathy L. Ward '78** and her husband, Rich Salaiz, gave birth to a baby girl, Carina Sarah, on January 11, 1996.

**Jay R. Goldberg '79** was recently admitted to Ph.D. candidacy at Northwestern University, where he has been working toward a Ph.D. in biomedical engineering. He and his wife have a daughter, Ellie Johanna, born on November 11, 1995.

#### 1980s

**Robert S. Gordon '80** is the director, Finance & Business Development, for Cisco Systems in San Jose, California.

**John Linderman '80** is pleased to announce the birth of his son, Brian Matthew, born December 4, 1995. He, wife Linda, daughter Shannon, and son live in Melbourne, Australia. John is a senior staff engineer for Exxon and is in the third year of an assignment with Esso Australia.

**Commander John W. Peterson '80** continues his career as a surface warfare officer in the U.S. Navy. He recently completed a tour as the branch head for surface LCDR assignments in the Bureau of Naval Personnel. Peterson has returned to school full time as a student at the Industrial College of the Armed Forces, National Defense University, in Washington, D.C., where he is pursuing a master's degree in national resources strategy.

**Thomas Taylor '80** was recently promoted to Commander in the U.S. Navy. He started refresher training in the F/A-18 Hornet in February and will report to the VFA-27 Chargers this October as executive officer. He will take command of the Chargers in 1999. The Chargers are based in Atsugi, Japan, and regularly deploy with the aircraft carrier USS Independence.

**Jim Anfield '81** is the director of business development for IMC Global, Inc., in Northbrook, Illinois.

**Jeanne (Weber) Fazekas '81** was married on August 10, 1996. She is still working for ABB Daimler-Benz Transportation and was recently promoted to project manager. She is currently in charge of New People Mover Systems for McCarran International Airport in Las Vegas.

**Gregory S. Gerard MSGE '81** is the group manager of special projects for Compuserve, Inc., in Columbus, Ohio.

**John Holz '76, MSGE '81** has completed a three-year assignment with IBM in Tokyo and is now back in Wilton, Connecticut, where he is vice president of application solutions for CAD/CAM, engineering analysis, and product data management. While in Japan, he and his wife adopted a daughter, Kimi.

**Brian LaBianca '81** died of cancer on April 7, 1996.

**Susan J. (Polka) McDermott '81** is vice president of Arlig Environmental, Inc., in Minneapolis, Minnesota.

**Roger Stein '81** and his wife Jill Deutsch are pleased to announce the arrival of Matthew Deutsch Stein, who was born on August 28, 1996.

**Richard K. Sykes '81** has joined McKinsey and Company, an international management consulting firm, as a partner in their Chicago office.

Navy Lt. Cmdr. **David C. Taylor '81** recently returned from a one-month deployment to the Eastern Mediterranean Sea and Black Sea while serving aboard the Sixth Fleet flagship, USS La Salle.

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## Alumni Updates

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**Kristen Alexander '82** died in August 1996 from dehydration suffered at the summer Olympics in Atlanta. She served six years in the Air Force and made Captain, then took a civilian job at an Ohio Air Force Base.

**Pete Furman '82** is managing projects for the Advanced Systems Division of MTS Systems. His oldest daughter Amanda attends Northern Illinois University and younger daughter Lauren is a junior in high school.

**Steven Hands '82** is a proud father of daughter Sarah, born on August 10, 1995. He is the vice president of sales and marketing for General Analysis Corporation in Connecticut.

**Michael Schavietello '82** has been working at Hughes Space and Communications Company since graduation. His current assignment is systems engineering lead for the U.S. Navy's UHF Follow-On Communications Satellite Program.

**Gary J. Vroman '82** was appointed to the position of vice president of sales for the Forgings Division of Ladish Company, Inc. He joined Ladish after graduation as an associate sales engineer. He also received a master's degree in engineering management from the Milwaukee School of Engineering.

**Kevin L. Ayers '83** is a mechanical engineer at the FBI Engineering Research Facility in Virginia.



**Matt Linsner GE '81** and his family attend last spring's ISGE/Gamma Epsilon Picnic. He owns Mattex, a refrigeration and heating and cooling company in Champaign.

**Joe L. Brittin '83** became a father to daughter Melissa, on September 8, 1995. He and his family reside in Springfield.

**Daniel R. Smith '83** was promoted to the position of manager of customer service and warranty for the Cadillac Motor Division of General Motors, following field assignments in Kansas City, Chicago, and Detroit. He is responsible for product compliance, dealer warranty coverage, and dealer payments for the division.

**Marc Spoor '83** is a design engineer for Payload Systems in Seattle, Washington.

**Angela R. Duncan '84** is in her final year of a naturopathic medicine degree at Bastyr University in Seattle, Washington. Her specializations are in herbal medicine and homeopathy. After she graduates, she will spend six months in Nigeria doing postgraduate work with traditional healers and herbalists.

**Kim Marie (Voss) Schuelke '84** recently came out of retirement as an engineer to become a product design engineer at Colson Caster Corporation in Jonesboro, Arkansas. She is living in Jonesboro with her husband, Marcus Schuelke (BS AAE '84), and three daughters.

**Jennifer Anderson '85** has been employed as a quality engineer at Abbott Laboratories for the past five years.

**Gloria Angell '85** and her son Patrick have recently moved to Bloomington, Indiana.

**Richard T. Box '85** has been admitted as an associate partner at Andersen Consulting in their government practice.

**Paul N. Garcy '81, MSGE '85** was promoted to associate partner at Andersen Consulting in 1995.

**Alan Landmann '83, MSGE '85** is an engineer for the Boeing Company in Seattle, Washington.

**Brad Lane '85** was recently elected a shareholder of William Brinks Hofer Gilson & Lione, a Chicago law firm that specializes in all areas of intellectual property. Lane is a patent attorney registered to practice before the U.S. Patent and Trademark Office and has represented clients in patent litigation matters before a number of federal district courts. He, wife Terri (BS Communications '85), and daughters Megan (4) and Kara (6 months) reside in Western Springs, Illinois.

**Larry R. White '82, MSGE '85** married Rachel Schimelfenig on July 1, 1995, in Sandwich, Illinois. He is an instructor of management at Aurora University.



**Cedric Ball '86** has been appointed as a marketing manager at Owens-Corning, responsible for implementing strategic plans for building material sales in Canada. He was previously a strategic planner with Owens-Corning's world headquarters.

**Lawrence M. Kaplan '86** recently joined Navigation Technologies Corporation as counsel, director of intellectual property, in Rosemont, Illinois.

**Henry Saviro '86** is a stress analyst for Boeing Company in Washington.

**Dina (Sheathelm) Scott '86** is the senior loss control representative for Royal Insurance in Fairview Heights, Illinois.

**Mary Beth (Prickett) Burke '87** was married on August 17, 1996. She is an account manager for Motorola.

**Edward J. Dougherty '85, MSGE '87** has been promoted to associate partner at Andersen Consulting in the utility industry practice. He lives in Plymouth, Minnesota, with his wife Reava and daughters Megan and Amanda.

**Ellen Marie Duffy '87** and her husband Dave welcomed Jonathan Emery on October 5, 1996. He joins big sister Jennifer Marie, who was born on February 5, 1995.

**Jeffrey Johnson '87** has been admitted as an associate partner in Andersen Consulting in the energy products practice.

**Peter Kim '87** was married to Sally Leslie on October 15, 1995, in Kenwood, California. He currently works at Atlantic Mutual Insurance Company as a supervisor in their Loss Prevention Department.

**Dan Krueger '87** has two children, Lindsay (3), and Dan Jr. (born 3/19/96). He is currently a senior manager at Andersen Consulting.

**Pamela (Miller) Lemoine '87**, her husband Philip, and daughter Hannah Jane welcomed a baby girl, Payton Mackenzie, into their family on March 16, 1996.

Lemoine is regional manager with Black and Veatch, an international consulting engineering firm in Seattle, Washington.

**Mary Sims Vonck '87** completed her MBA from the University of Michigan in 1992. After 8 years in sales with York International, she is working with her husband's industrial sales company. Vonck and her husband have three children, Caroline (3), Paul (2), and Sarah (1) and are living in Ada, Michigan.

**Daniel E. Williams BSGE '85, MSGE '87** recently received a Ph.D. in mechanical engineering from the Florida Institute of Technology. A licensed professional engineer in Florida and Indiana, he is employed by TRW in their commercial steering division in Lafayette, Indiana. He is married to Kathleen Pyne, and they have two children.

**Jim Haack '88** is an active short-track ice speedskater and races in-line roller skates in the summer. Last winter, he was lucky enough to be in the Netherlands when the canals were frozen. He recently returned to Champaign to race in the Land of Lincoln ice-skating meet. Haack is a sales engineer with Schuster Electronics in Chesterfield, Missouri.

**Eve Sierocki Hastings BSGE '86, MSGE '88** and her husband Randy announce the birth of their second child, Anna Rose, born on October 19, 1995. Anna joins her older sister Nora at home in Lake Villa, Illinois. Eve left her position at Baxter Healthcare to stay at home with her children and is doing occasional consulting work from home.

**Edward Hightower '88** received an MBA from the University of Michigan in 1995 and is currently assistant brand manager for Cadillac Catera at General Motors.

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Department head Tom Conry, Brad Lane '85, and Jim D'Orazio '75 at the June 1996 Chicago reception.

## Alumni Updates

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**Jose Lopez Dominguez '87, MSGE '89** is a senior design engineer of advance hydraulic systems for Caterpillar, Inc., in Joliet, Illinois. He received his Ph.D. from Virginia Tech in 1995.

**Linda (Kinsch) Gilchrist '89** was married in July 1996. She is a marketing development specialist at NORTEL, Northern Telecom, a telecommunications equipment manufacturer. She completed her MBA at Strathclyde Graduate Business College in Glasgow, Scotland, in 1995, and she and her husband live in Frankfurt, Germany.

**Paul G. Johnson '89** was married to Tamara Miller in October 1995. He is a student at Northwestern University's Kellogg Graduate School and is employed by A. T. Kearney, Inc., in Chicago.

**Michael G. Kelber '89** recently graduated from Chicago-Kent College of Law, passed the bar exam, and joined the patent, trademark, and copyright firm of Wallenstein and Wagner, Ltd.

**Matthew A. King '87, MSGE '89** was promoted to engineering supervisor for structural acoustic analysis at Electric Boat Corporation in Groton, Connecticut.

**John Kozel '89** recently moved from Chicago to Seattle to accept a position as a human resources business consultant for Microsoft Corporation.

**Theodore R. Plunkett '89** graduated from the University of Illinois Law School in 1992. He has been working for the last four years at the firm of Merchant & Gould in Minneapolis, specializing in intellectual property (patents, trademarks, and copyrights).

**Tom Tirpak '87, MSGE '89** has been at the Corporate Manufacturing Research Center at Motorola for five years. He is working on several projects in manufacturing (operations) optimization and factory planning. Last year, working with Motorola University, he developed a two-day training program in this area for Motorola engineers.

**Sharon Ward '89** received her master's degree from the Kellogg Graduate School of Management at Northwestern University in 1995. She is now employed as a securities analyst covering telecommunications and data communications industries for William Blair & Company in Chicago.

### 1990s

**Stephen R. Bicking '90** became a licensed professional engineer in July 1995. He married his wife, Linda, on November 11, 1995, in Barranquilla, Colombia. Brian and Susan Broga (Industrial Engineering '92) were in the wedding party.

**Bill Buttimer '90** was married in July 1992. He is working on his MBA at Northwestern University and is currently an IS consultant at Hewitt Associates in Lincolnshire, Illinois.

**Jim Frake '90** and wife Trish had a baby boy named James Michael in September 1996. The family resides in Longview, Texas.

**Lori Gardberg '90** is still working for Nalco Chemical but has recently taken a field sales position in northeast Wisconsin.

**Wendy (Gronwold) Hathaway '90** was married to Kenyon Hathaway in May 1996. She is employed by Johnstech International in Minneapolis.

**Christopher Masin '90** recently became engaged to Stephanie Ray of Memphis, Tennessee. He is currently employed as an instructor at Southwestern College in Memphis. The couple plan a September 1997 wedding in Kalamazoo.

**Karen (Shineflug) Moore '90** was married to John Moore in August 1995. The couple resides in Evanston, Illinois.

**Ed Wells '86, Jim Haack '88, and Kimberly Meadors '95** braved a fierce rainstorm to attend the November GE alumni reception and GE 242 Presentation in St. Louis





Professor Henrique Reis talks with Myron Bernard '56 in St. Louis

**Jay A. Saltzman '90** is a patent attorney beginning his fourth year at Fitch, Even, Tabin & Flannery, a Chicago-based intellectual property law firm.

**Stephanie (Connolly) Vives '90** is working for Ford of Germany in Luxembourg.

**John Acree '91** has recently become a full partner with Lamac Engineering in Mt. Carmel, Illinois, and plans to become licensed as a professional engineer in fall 1996.

**Craig Bridell '91** was married to Stephanie Ratchkill on April 20, 1996. He is employed as a project manager at Arco Construction in Brentwood, Missouri.

**Greg Davis '91** recently completed his fifth year with Procter & Gamble in Cincinnati, Ohio, as a cost engineer. On May 1, 1996, he was promoted to cost engineering technology leader and is currently managing the cost engineering work for new initiatives in P & G's tissue, towel, and facial businesses.

**Kenneth Horlander '91** was married in August 1996 to Anna Kao. He is attending the University of Illinois at Chicago Medical School, and she is a resident in ophthalmology.

**Julie Nochumson '91** received her master's degree in environmental engineering from the Illinois Institute of Technology. She is an environmental engineer for the Department of Energy in Argonne, Illinois.

**Christine Casaz Byndas '92** and her husband, Brian, are proud to announce the birth of their first daughter, Alyssa Caryn, who was born on May 22, 1996. Alyssa is named after her aunt, the late **Caryn Casaz '94**. The Byndas family lives in Dearborn, Michigan, and is doing well.

**James H. Clark '92** is currently working on his MS in manufacturing management at Northwestern University.

**Jeffrey Cortez '92** was promoted to chief project engineer for Paltier, Inc., in 1993. Soon after, he married Deborah Hamilton, and they purchased a home in Portage, Indiana. They have a baby girl, Gwendolyn Kay, born on February 5, 1996.

**Julie (Bunag) Daly '92** completed her master's degree in mechanical engineering from the University of Illinois, Chicago, in 1995. She is doing some consulting work for Pittway Corporation and living in the San Francisco Bay area with her husband Tom, also a UIUC alum.

**Scott Emering '92** is working at the Torrington Company in Ann Arbor, Michigan.

**Matt Gaertner '92** is a senior engineer in the Corporate Engineering Department for MacLean-Fogg.

**Mike Grimm '92** is a software engineer in the Microsoft Network Systems Development Group in Redmond, Washington.

**Joseph C. Hartman '92** received an MS in industrial engineering from the Georgia Institute of Technology in March 1994 and a PhD in IE in June 1996. He is an assistant professor in the Industrial and Manufacturing Systems Engineering Department at Lehigh University in Bethlehem, Pennsylvania, and is engaged to Karen B. Hurwitz.

**Jon Hendrickson '92** is a systems analyst at Sears Roebuck & Company.

**Thomas Kelley '92** was married on July 5, 1996, to Elizabeth Brubaker. He currently works at the Prince Corporation in Holland, Michigan, as a project engineer in automotive interior trim.

**Christopher Lux '92** was married to Patricia Holt on September 30, 1995. He is employed by ComEd. The couple live in Grayslake, Illinois.

**Alyce Nogal '89, MSGE '92** is a senior systems engineer for Inference Corporation in Chicago.

**Scott Orr '90, MSGE '92** is father to Thomas James, born May 4, 1995, and Alexander Michael, born September 19, 1996. Orr is a manufacturing engineer for Humphrey's, Inc., in Bollingbrook, Illinois.

**Milorad Sucur MSGE '92** is a consultant with SABRE Decision Technologies in Southlake, Texas.

**Bradley Veath '92** was married to Kathy Jacobson in November 1996. He is employed as a design engineer for Chicago Bridge and Iron.

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## Alumni Updates

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**Harry D. Almeida '93** was recently promoted to technical operations manufacturing engineer at Motorola at their new Harvard, Illinois, facility. He was married in July 1996 to Julia, who is also a graduate of UIUC.

**Louis Bacigalupo '93** completed graduate school at the University of Michigan in Dearborn, receiving his master's degree in mechanical engineering, in April 1996. He is currently working at Ford as a product engineer and lives in Westland, Michigan.

**David Hyten '93** is now in his third year at Southern Illinois University in the School of Dental Medicine.

**Bill McGrath '93** is a consultant at Andersen Consulting in Chicago.

**Olden McGrone '93** is a unit repair specialist for Beecher Tool & Die in Chicago.

**Tom Pawula '93** designs and programs AS 400 systems for manufacturing with Systems Software Association.

**Eric T. Vallejo '93** has recently built a house in Crystal Lake. He is an advanced manufacturing engineer at SIEBE Environmental Controls, Barber-Colman, in Loves Park, Illinois.

**Mayling Lydia Wong '93** is an operations development engineer with Eaton Corporation in Carol Springs, Illinois. She received her MSME from Case Western Reserve University in 1995.

**Frank H. Castillo '94** has moved to Portland, Oregon, and is working for Nacco Materials Handling Group, whose primary product is fork lifts. He is working on a two- to three-year assignment to help design a new forklift truck. He was married in September 1996.

**Jeff Greenwalt '94** married Gwyn Kauffman of Rockford, Illinois, on June 4, 1994. He is a member of ASHRAE (local and national) and is a sales engineer for The Trane Company.

**Matthew Houchens '94** served as managing editor for *The John Marshall Law Review* in his last year at the John Marshall Law School.

**Scott Jackson '94** is engaged to Sheila Lang. He is employed by Engineered Fluid, Inc., in Centralia, Illinois.

**Mark Maslov '93, MSGE '94** is employed with Baxter Healthcare. He recently bought a condo in Deerfield, Illinois.

**Robert Schueffner '94** was married to Michele Thompson on June 17, 1995. He is employed by Caterpillar, Inc. in Lafayette, Indiana.

**Kenneth R. Topolski '94** is a civil/structural engineer for Peter F. Olesen & Associates, Inc., in Mt. Prospect, Illinois.

**Schy James Willmore '94** was recently married to Joanna Tweedy. He is an environmental engineer with the City of Springfield, Illinois.

**Laura Beaudry '95** works at Johnson Controls, Inc., in Rochester, Minnesota, as an application engineer. She recently became engaged to Michael Scott Moerk.

**Brian Binder '95** was married to Nicole Hansen on July 22, 1995. He is employed by Wood-Ward Clyde Company of Maryland Heights, Missouri, as an environmental engineering consultant.



**Mike Burzawa '95** is a product development engineer at MacLean-Fogg.

**Santiago Correa-Harker MSGE/MBA '95** is working at Dow Chemical in Colombia.

**Scott M. Cummings '95** is the business marketing representative for Dow Jones & Company, Inc., in Los Angeles, California.

**Waymond Eng '95** is an industrial/facilities engineer with Uarco. He was recently assigned a three-year project to re-evaluate all of Uarco's current equipment.

**James Fisher '95** is a product development engineer at MacLean-Fogg.

**Meggan Fitzgerald '95** is currently a full time law student.

**W. Ryan Geister '95** is employed as a CDS/marketing engineer for The Trane Company. He works in the Technology Center as a computer consultant.

**Amanda Haverkamp '95** is employed by General Electric Appliance in their technical leadership program. She is working in Petersborough, England, until August 1997.

**Paul Henke '95** was married on December 23, 1995, to Emma MacLaren. He is a technical sales engineer for AccuWeb in Madison, Wisconsin.

**Mathew Jackowski '95** is a controls engineer for U.S. Gypsum in Chicago.

**C. J. Knuffman '95** was married to Susan Sanders in July 1996. He and his wife reside in Decatur.

**Todd Lenser '95** is a controls engineer for Procter and Gamble in Cincinnati, Ohio.

**Kimberly Meadors '95** is a system application engineer at Johnson Controls, Inc., in St. Louis.

**Tat C. Mui '95** recently left Abbott Laboratories and accepted a position as a quality engineer with the Baxter Screening Laboratory. This lab screens human blood and plasma samples, before their use for human products, for blood-borne infectious diseases.

**Stephanie Paul '95** is the field engineer/logging supervisor for Schlumberger Well Services in Midland, Texas.

**Tim Phillis '95** and his wife Vicki are the proud parents of Elizabeth Sue, born in July 1996. She joins her brother Anthony, 4.

**Yirhan Sim MSCE/MBA '95** is currently working as a process engineer in the Technical Systems Organization for Procter & Gamble in Kobe, Japan.

**Jami S. A. Thornton '95** is an engineer at MCI Telecommunications, Transmission Systems Engineering Division, in Richardson, Texas.

**Darren Tonarelli '95** was married to Jill Janka on October 28, 1996. He is employed as a construction project engineer at the Walsh Construction Group in Chicago.

**Joe Wach '95** is working in the Autocad Lab at ITW in Elgin, Illinois.

**Christopher K. Wyatt '95** is currently a second-year medical student at Southern Illinois University School of Medicine in Springfield.

**Jim Beier '96** is working at the Kress Corporation in Brinfield, Illinois.

**Jillian Borthwick '94, MSCE '96** is working as a cost engineer at Procter & Gamble in Cincinnati.

**Jennifer Bounds '96** is a technical marketing representative at Eaton Cuttler Hammer.

**Michael Brennan '96** is a mechanical and environmental engineer at Chicago Heights Steel.

**Jo-Hanna Camacho-Cruz Goettsche MSCE '96** is working at Boeing in Seattle, Washington.

**Joshua P. Fredrickson '96** is a design engineer for Gammerler in Schaumburg, Illinois.

**Avinash Jalen MSCE '96** is enrolled in the MBA Program at the University of Chicago.

**Maitreya Jani '96** studied abroad in Granada, Spain, in Spring 1996. He is currently enrolled at the George Washington School of Law.

**Rachel (Janssen) Lorenz '96** was married to Captain Anthony Lorenz on September 1, 1996. They are living in Sherwood, Arkansas.

**Donald Moffett '94, MSCE '96** is a customer quality engineer with LoDan Electronics in Arlington Heights, Illinois.

**Eric Parks '96** was married in November to Brigette Seraphin. He is employed by the National Precast Concrete Association in Indianapolis, and she is a doctoral candidate in psychology at Indiana University.

**Fred Retter '96** is an engineer at Underwriter's Laboratories in the Lighting Department and is living in Rolling Meadows, Illinois.

**Brin Shuler '96** is enrolled at the University of Connecticut Medical School in Farmington.

**Jon Smejkal MSCE '96** is working at the Argonne National Laboratory in computer support.

**Dan Smith '96** is a general engineer/system administrator at Parametric Design Associates in Crystal Lake, Illinois.

**Erica (Olson) Southcombe '96** was married to David Southcombe in August 1996. She is working at Ruhl & Associates in Champaign.

**Eric Thompson '96** is a Project Engineer at ITW Products in Glenview, Illinois.



Chicago reception, June 1996.



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W6S

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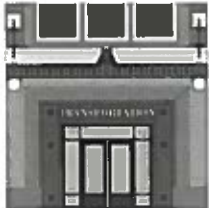
## Calendar of Events

August 6, 1997	4:00 p.m.	GE 242 Presentation, Clock Tower, Rockford, Illinois
August 27, 1997	4:00 p.m.	GE 242 Presentation, Hotel Sofitel O'Hare, Rosemont, Illinois
August 27, 1997	5:30 p.m.	GE Alumni Reception, Hotel Sofitel O'Hare, Rosemont, Illinois
September 24, 1997	4:00 p.m.	GE 242 Presentation, Hyatt Regency, Oak Brook, Illinois
September 28, 1997	10:00 a.m.	Caryn T. Casaz Memorial Fund "Running with Angels," 5K fun run and walk, Centennial Park, Tinley Park, Illinois. For info call Mary Casaz, 708-614-8726.
October 4, 1997	To be announced	College of Engineering Tent Party, Illinois vs. Penn State. For info call 217-244-2364
October 15, 1997	4:00 p.m.	GE 242 Presentation, Jumer's, Peoria, Illinois
October 25, 1997	6:30 p.m.	Second Annual Society of Women Engineer's Alumnae Reunion Banquet, Round Barn Banquet Center, Champaign, Illinois, Contact: SWE 217-333-3558
November 4, 1997	4:00 p.m.	GE 242 Presentation, Hyatt Regency at Union Station, St. Louis, Missouri
November 4, 1997	5:30 p.m.	GE Alumni Reception, Hyatt Regency at Union Station, St. Louis, Missouri

\* If you are interested in information on specific GE 242 presentations, please call Peggy Hills at 217-244-8835. Sites are subject to change based on availability.



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