



GENERAL ENGINEERING NEWSLETTER

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ALUMNI HONORED



Roy J. Carver



O. Thomas Purl

G.E.'S RECEIVE COLLEGE ALUMNI HONOR AWARDS

The five alumni named to receive the College of Engineering Alumni Honor award for Distinguished Service in Engineering were: ROY J. CARVER, B.S., 1934; DANIEL L. DUDAS, B.S., 1956, M.S., 1957; CHARLES H. MOTTIER, Sr., B.S., 1910, Professional degree, 1923; JOHN D. NYQUIST, B.S., 1941; and O. THOMAS PURL, B.S., 1948, Ph.D., 1954. Of these five, two, Mr. Carver and Dr. Purl received a bachelor's degree from the University of Illinois in General Engineering.

Mr. Carver is Chairman of the Board, Carver Industries, and Chairman of the Board, Bandag, Incorporated. His "main talent lies in identifying potentially good technical ideas and causing them to flourish." Most outstanding among his ventures has been the Bandag "cold" tire "re-treading process with which he became acquainted in Europe in 1956. Under his guidance, Bandag has become the world standard of quality in retreaded tires." He received the Gamma Epsilon Distinguished Alumni Award in 1975.

After receiving his B.S. in General Engineering, Dr. Purl returned to UIUC to earn another B.S. in 1951, an M.S. in 1952, and a Ph.D. in 1955, all in Electrical Engineering. He "joined Watkins-Johnson Company in 1959 as its tenth employee. Today he is vice president of the company's 800-man Devices Group which consists of the solid state, tube, and Stewart divisions and associated sales activities." He holds patents on basic periodic-permanent-magnet focusing techniques for microwave tubes.



Robert N. Rasmus

DISTINGUISHED ALUMNUS

ROBERT N. RASMUS, a General Engineer of the class of 1948, UIUC, was chosen to receive the Fourth Annual Gamma Epsilon Distinguished Alumnus Award. This award is presented to outstanding individuals who have brought honor to themselves and to the Department of General Engineering.

Mr. Rasmus joined the Masonite Corporation in 1957 as special assistant to the Vice President of Manufacturing. Later he was named General Manager of the Masonite plant in Ukiah, California. Mr. Rasmus advanced to Vice President of Manufacturing in 1963. In 1967 he was elected to the Board of Directors. He was made a group vice president in 1971, and was elected to the vice presidency of the corporation in 1974. Last November Mr. Rasmus was named President and Chief Operating Officer of the Masonite Corporation.

ANNUAL AWARDS BANQUET

On Thursday, April 21, 1977, Gamma Epsilon and the General Engineering Department co-sponsored the Annual General Engineering Awards Banquet at the Ramada Inn Convention Center in Champaign. Honored at the banquet were the students and faculty member initiated into Gamma Epsilon this spring, the students who received a departmental award, and the recipient of the Gamma Epsilon Distinguished Alumni Award.

The thirteen students initiated into Gamma Epsilon last spring included six juniors: JAMES W. ACHENBACH from Collinsville; GEORGE W. FLATHERS II of Bridgton, Maine; RICHARD W. FREWERT, Western Springs; DAVID SCOTT HANLEY of Springfield; BRADFORD A. KROLL, Niles, and JOHN CHRISTIAN MAIER from Palos Heights.

The remaining seven initiates were all sophomores: PHILLIP M. ANDERSON from Western Springs; DAWN L. CANNELL of Rockford; TODD C. GREEN, Evergreen Park; MICHAEL HUBER, Champaign; SUE ELLEN KLECKNER of Arlington Heights; ROSEMARIE FRANCES OREHEK from North Riverside; and RICHARD DEAN RUSH of Moline. In addition, EDWIN C. MC CLINTOCK, Professor Emeritus, General Engineering was named an honorary member of the fraternity.

The Bernt O. Larson Project Design Award for the calendar year 1976 was given to the team of DENNIS S. BERT '76 from Downers Grove, DAVID C. BOYER '76 of Chicago, GREGORY L. IVES '77 of Champaign, and EDGAR R. MAURER '76, from Kokomo, Indiana. These men devised a procedure which reduces markedly the solder shorts on a wavesoldering machine. Micro Switch Division of Honeywell, Inc., was the sponsor and Drs. L. Daniel Metz and Rolard L. Ruhl were the advisors.

ROBERT W. BROWN from Morton Grove was named to receive the Edward S. Fraser Award as an outstanding graduating senior in general engineering because of his high scholarship and participation in university activities. The L. B. Phillips Award was presented to THOMAS S. ZYCH of Lansing, recognizing him as an outstanding senior in general engineering because of his high scholarship, fine character, and participation in activities.

SHARON M. STEFANIK of Arlington Heights received the Randolph P. Hoelscher Award as the outstanding junior in the department in recognition of her scholarship, her potential as a leader, activities, including the Illinois Society of General Engineers, and cultural development. In addition to this honor and to being named a Knight of St. Pat earlier in the spring, Sharon was awarded the Honeywell Award, a College of Engineering award given "for unusual scholastic accomplishment, indications of unusual professional qualifications, or participation in technical and professional societies or other campus activities."

JOHN A. METZ, President of Gamma Epsilon, named ROBERT S. RASMUS '48, President of the Masonite Corporation, to receive in absentia the Fourth Annual Gamma Epsilon Distinguished Alumni Award. Unfortunately Mr. Rasmus had a previous commitment for that night and could not be present to receive the award in person.

1977 STUDENT ENGINEERING DESIGN COMPETITION

For the seventh time in ten years students in General Engineering at UIUC have won awards in the Student Engineering Design Competition sponsored by the James F. Lincoln Arc Welding Foundation. The entries are judged on the basis of originality or ingenuity, feasibility, results achieved or expected, engineering competence, and clarity of presentation. Not only do the students receive a monetary award but the department in which the students are enrolled receives a cash award of \$250 for each award presented to its students.

The team of WILLIAM CHEDISTER, JAMES CHRISTENSEN, JAMES JOHNSTONE, DANIEL LAMBERT, and ANTHONY RILEY with Professor R. D. Hugelmann as advisor received a Fourth Award of \$250 in the Mechanical Division. Their design was for "A Part Sorting and Loading System." Food Machinery Corporation of Indianapolis was the sponsor.

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PROFESSOR METZ
HONORED

L. DANIEL METZ, Associate Professor of General Engineering, was one of four faculty members to receive a campus-wide Award for Excellence in Undergraduate Teaching at the Awards Banquet for the UIUC campus last May. Professor Metz's selection was based on summaries of the formal instructor evaluations and the enthusiastic letters of recommendation received from students, graduates, peers, and Professor Dobrovolny. They gave a comprehensive picture of his dedication, integrity, leadership, and competence as an outstanding teacher. Here are some of the unsolicited remarks written by students on their instructor evaluation forms:

"Dr. Metz is an exceptional instructor. He makes the class interesting and seems to have students' best interests in mind. He is always willing to help."

"Metz is about the finest instructor I have ever had, engineering or otherwise."

"I hold Professor Metz in high regard as an instructor and as a person. I feel that his emphasis on personal responsibility is quite necessary towards the student."

A member of the Department of Mechanical and Industrial Engineering wrote, "...Dan has on several occasions substituted for me and taught undergraduate and graduate courses for which I was responsible.In every case, the students' reaction was the same: they all wanted to know who he was, where he had come from, what Department he was associated with and when he was coming back! They literally couldn't get enough of him."

Professor Metz joined the General Engineering faculty in 1970. Since that time he has taught over 500 students in several undergraduate courses, almost all of which were required for graduation. Dan has developed a textbook (*Man and the Technological Society*, Prentice-Hall) which helps to incorporate engineering design activity into basic graphics courses. He has developed an extensive set of notes for each of two courses; helped develop new courses; and made himself available to students for career guidance.

Dan is a registered professional engineer in Illinois and Ohio. He is a member of AAUP, ASME, SAE, and Simulation Councils, Inc. The awards and honors he has received include the Everitt Award for Teaching Excellence, UIUC, in 1971; the Ralph R. Teetor Award, an award to outstanding young engineering educators in the United States and Canada by SAE, in 1972; and a NASA/ASEE summer engineering design fellowship at Stanford University in 1972.

FACULTY NOTES

At the annual meeting of the Board of Directors of the National Society of Professional Engineers in July held in Anaheim, California, Professor JERRY S. DOBROVOLNY was elected Vice Chairman of the Professional Engineers in Education section of ISPE representing the Central Section. He also served as the initial Chairman for the newly formed Professional Engineers Education Section in the Illinois Society of Professional Engineers. He continues to serve as a national director of NSPE.

Upon his return from the annual meeting, he had a short stint in the hospital with a kidney stone. However, he had fully recovered from that and, hopefully, that is behind him.

In the spring he was elected to the Executive Committee of the Technical Design Associates which is comprised of a highly selected, small group of representatives from large national companies that are involved in engineering design activities. He has been a member of this group since 1959. The group meets annually to discuss the latest innovations in design room activities.

Last spring he was appointed by Chancellor J. W. Peltason as Chairman of a special Task Force addressing itself to faculty-staff benefits. The Task Force has generated a considerable amount of information and will be submitting its report this fall. The deterioration of faculty-staff salaries and benefits continues to be a serious problem in higher education today.

Since February Professor WILLIAM G. BEAZLEY has been doing research in three main areas, two of which were joint efforts. One area was the acquisition and installation of special computer routines on the IBM 360, such as FORMAC, a special algebraic language based on PLI, and IMP, a three-dimensional mechanism analysis program. These programs aided work in the second area — mechanism dynamics. In this area a general modelling procedure based on transfer matrices was developed for small motion dynamics of three-dimensional mechanisms. Remote manipulators were selected for study because they constituted complex mechanisms involving links, cables, push-rods, etc. The documentation of the method is being prepared for publication.

The third area involved implementing special grading techniques developed at the University of Texas at Austin, in the General Engineering Design courses. Based on mastery criterion methods requiring perfect performance at each intermediate stage, but suitable for arbitrary design project topics, results showed students respond well to the uniform grading scheme, particularly to written comments. All students in a G.E. 104 class at UIUC were able to demonstrate by verbal presentation and written report 100% mastery of the required design skills by the end of the course.

Professor WILLIAM CHOW is now a registered professional engineer in the State of Illinois. His book, *Cost Reduction in Product Design*, has been completed and will be published soon. The paper titled "Snap Fit Design Concept," which he presented at the 1976 ASME Winter Annual Meeting, has been reprinted in four different trade magazines: *Plastic Design Forum*, April, 1977; *Product Engineering*, May, 1977; *Mechanical Engineering*, July, 1977; and *Modern Plastics*, August, 1977. Professor Chow is currently doing research in mechanical design and in biomechanics.

Professor R. D. HUGELMAN is now registered as a Professional Engineer in Illinois, having passed the examination last summer. He is a member of both ISPE and NSPE.

Professor L. D. METZ was on sabbatical leave of absence during the spring semester, 1977. During this leave, he continued to develop representative models for human body dynamical behavior during high acceleration collision environments. He also began work on a new research area involving an optimal technique for development of sub-models (specifically second-order models) to represent high-order linear stationary systems.

Professor Metz, accompanied by his family, traveled extensively during his sabbatical leave. He delivered lectures concerning his work in vehicle dynamics and the development of design education in General Engineering at the University of Colorado, Colorado State University, the University of Wyoming, the University of Utah, Stanford University, California State University at Long Beach, UCLA, and Arizona State University. During this travel the Metz family was able to squeeze in a few days of skiing at Rocky Mountain National Park and Park City, Utah, although not as many as they would have liked.

Professor Metz and his family also visited a former G.E. student, Dr. Louis J. Mancini '72, who now works for Shell Development Co. in Houston, Texas. The men played a few games of handball and consumed a few beers while the Metz' were in Houston. Professor Metz reports that Lou still can learn more about the game of handball.

During the summer he continued his research although that period brought sadness in that Professor Metz' mother passed away in Detroit, Michigan, after a brief illness.

Professor EUGENE I. ODELL left the department last summer for a position in the south where the climate is warmer and there is better opportunity for water sports.

Last April Professor MICHAEL PLECK presented a paper on his teaching methods to a joint meeting of the Illinois-Indiana and North Central Sections of the American Society of Engineering Education. This paper was selected as one of the three best in the conference. In June Mike was the guest of Trane Company of La Crosse, Wisconsin, in a faculty-industry liaison program. During the remainder of the summer Mike pursued his research in the area of computer-aided design and manufacturing. In connection with this effort he attended meetings of the American National Standards Institute and Computer-aided Manufacturing International, organizations dealing with CAD/CAM problems. In addition Mike was awarded a scholarship to attend the AIAA Summer Institute on the "Use of Computers and Graphics in Aircraft Design" at the Lockheed-Georgia Company in Marietta, Georgia. He topped off his summer activities by visiting computer-aided manufacturing facilities at the Caterpillar Tractor Company in East Peoria and Bradley University.

To help teach the forty sections of G.E. this fall, the General Engineering faculty now includes eleven teaching assistants. WILLIAM S. BENNETT, JOHN W. BURKE, MICHAEL CARDONI, and NICHOLAS KARAYANAKIS were all here last year. The new assistants are MARTHA A. BLAKEY, ROBERT W. BROWN, STEVEN E. MAIR, LEONARD G. MARVIN, DAVID T. MC KAY, JOHN D. METZGER, and LOU ANN SCHWAGER.

MICRO SWITCH IMPRESSED

Engineers at Micro Switch in Freeport, a division of Honeywell, Inc., are impressed by the results of their co-operation with the Department of General Engineering in providing actual engineering problems for students in need of practical experience.

The problem presented in G.E. 242 last spring was "Scrap Improvement in SW Keyboards." It was assigned to a team composed of seniors JOHN F. BERGO from Bellwood, ALBERT CHAN of Oak Park, LISA E. DOCHTERMANN from Chicago, and MARK T. OKUMA, Des Plaines. Working with Project Coordinator Glen Jensen and advisors Thomas F. Conry and Roland L. Ruhl, the group analyzed the problem and identified several possible solutions which, when implemented, will mean significant cost savings to the company.



S. Ramamurthy



Jahangir Rastegar

Dr. S. RAMAMURTHY is Visiting Assistant Professor of General Engineering, having joined the faculty in September, 1977.

Dr. Ramamurthy received his Bachelor of Technology in Madras in 1970 and his M.S. in Engineering from the University of Madras in 1972. In 1977 he received his Ph.D. in Structural Engineering from Cornell University.

Dr. Ramamurthy's area of research dealt with the use of mathematical programming techniques, particularly that of geometrical programming, to obtain either the minimum cost design or the minimum weight design of structural members. His current research interest includes the probabilistic concepts as applied to structural design problems. In addition, he is interested in linking finite element analysis to optimum design problems.

Dr. JAHANGIR RASTEGAR joined the Department of General Engineering faculty this September as Visiting Assistant Professor.

Dr. Rastegar received his B.S. in Mechanical Engineering from Southern Methodist University in 1969. He was awarded an M.S. and Ph.D., also in Mechanical Engineering, by Stanford University in 1971 and 1977 respectively.

For one year Dr. Rastegar worked in the design and analysis of linkages and manipulators. He then changed to experimental biomechanics as related to the structural modeling of the human leg. In this work he designed an experimental system to determine the structural characteristics of the human knee joint.

—Continued from page 2

Another group made up of students ROBERT BROWN, SHAUNA CLARKE, MARK STEFANIK, and MARK WHITE and the advisor Professor Morris Scheinman, also received a Fourth Award of \$250. Their project "Redesign of Mine Roof Bolter to Permit Inclined Bolting," was entered in the Structural Division. It was sponsored by Inland Steel Coal Company.

In the past students from the local Department of General Engineering have received one First Award in 1973, two Second Awards in 1968 and 1970, and three Fourth Awards in 1971, 1974, and 1975 respectively. However, this is the first time that two groups of our G.E. students have been presented awards in the same year.

RECENT GRADS START SOLAR DESIGN FIRM

JON HENDERSON '76, and WILLIAM BENNETT '76, are teaming up to form the "Solar Brothers." They intend to design and coordinate construction of solar heated buildings in Denver, Colorado.

Jon and Bill are particularly interested in "passive" solar heating. "Passive" heating systems in contrast to "active" systems use the building itself to collect and store heat instead of the familiar solar hardware associated with the "active" method, i.e., collector panels and heat storage tanks. "Passive" systems generally utilize south facing windows as collectors and masonry walls or floors for heat storage.

Both Jon and Bill are completing their masters degrees in Electrical Engineering at UIUC this fall. They have been working on a joint thesis which simulates a "passive" design using latent heat storage.

Next spring they will be working with Chateau Custom Builders of Colorado on the design and construction of a solar home. Hopefully this will be the first of many.

JETS AND MITE TWO-WEEK SUMMER PROGRAMS

This summer the College of Engineering hosted two-week programs for high-ability high school students. The JETS (Junior Engineering Technical Society) program had 48 participants, including 15 girls. The MITE (Minority Introduction to Engineering) program had 35 participants, including 17 girls.

Both programs introduced the participants to various engineering fields, mathematics as applied to engineering problems, various laboratories, engineering science, and the rigors demanded of those who study engineering. There were field trips to General Motors Central Foundry in Danville which was one of the high points of both programs. Recreation during the programs included most of those offered at the Intramural Physical Education Building.

If these programs are typical, between 70 and 90% of the participants will enroll in an engineering program in the fall of 1978.

The MITE program, which is one of a series across the country, enrolled nationwide over 1300 minority students in 39 programs at 30 colleges. These programs are funded

by donations from various industries and foundations and are further supported by the participating colleges which provide facilities and, in many cases, staff time.

Since MITE's inception in 1974, over 400 minority students have had an opportunity to participate in a summer engineering program. Follow-up studies are being conducted and preliminary results are quite encouraging.

I.S.G.E. ACTIVITIES

This fall will be a busy semester for the Illinois Society of General Engineers. The tentative schedule is as follows.

October: Social party with Phi Gamma Nu, an organization of women in the College of Commerce. A volleyball game with refreshments at a local bar is planned.

Sales, Marketing, Management Panel Discussion is planned for late in the month. We hope to have people from industry to answer the questions of students.

November: Peer-advising is scheduled prior to pre-registration for any students having questions dealing with academics.

Annual "Strike O'Bryant" Bowling Tournament where the ISGE students take on the GE faculty.

A student-faculty basketball game may also develop if the faculty can regroup their forces after losing to the students in the "Strike O'Bryant" Tourney!

We hope many students and faculty find time to participate in these upcoming events.

IN MEMORIAM

CARL EUGENE JOHNSON '17	June 8, 1977
BENJAMIN BLOOMFIELD '30	March 22, 1977
DAVID HUNTER BLAIR '34	October, 1976
ROGER SHERMAN '34	March 14, 1976

ENGINEERING OPEN HOUSE

Engineering Open House has become one of the annual highlights North of Green. It is more than just a show, and it involves thousands of hours of preparation by engineering students to meet the objective of informing the public about the profession of engineering.

This year Engineering Open House will be held on the weekend of March 3 and 4. The theme will be ENGINEERING - SPEARHEAD OF PROGRESS. Besides the regular departmental and industrial exhibits, special attractions are being planned. These features will include a *Star Wars* exhibit, a display on what an engineer does on the job, and a big name speaker. This year's chairperson, Paula Traynor, is working hard with her central committee to make the 1978 Open House one of the best ever!

ATTENTION ALUMNI!

Have you ever thought about joining the Alumni Association? Perhaps you wonder how Alumni Association Membership could benefit you. As a member of the Association you would:

1. Receive the *Alumni News* eight times a year.
2. Automatically become a member of the GE Alumni Association.
3. Qualify for the Association's low-cost life insurance, in-hospital insurance, and dismemberment insurance programs. They are for members only.
4. Be able to take advantage of the economies of group travel plus the association with other Illini on tours of the Alumni Association. Eight or nine tours are scheduled each year.
5. Receive advance notice (in *Alumni News*) of ticket sales for football games.
6. Qualify for the annual Alumni Association family camp at Allerton Park near Champaign each August.
7. Receive a 20% discount on books published by the University Press.
8. Receive a wallet card and decal.

Isn't that a terrific bargain? Come on, join us. You need us and we need you. Your membership application form with a list of the dues is on the next page.

LIKE TO RECOGNIZE AN EXCELLENT TEACHER?

1975 marked the introduction of the Urbana-Champaign Campus Award for Excellence in Undergraduate Teaching. This award was created to recognize faculty members and teaching assistants for outstanding efforts in undergraduate teaching and to emphasize once again that undergraduate instruction is a function of major importance at the Urbana-Champaign Campus. Six winners are recognized each year. Each receives \$1000 for personal use and \$1000 for departmental purchases of instructional materials. In addition, the winners are feted at an annual banquet and their names are inscribed on a plaque located prominently in the Undergraduate Library.

Nominations for 1978 awards are now being accepted. Selection will be based on committee screenings of candidates at the departmental, college and university levels. Criteria established to gauge teaching excellence vary among departments. However, things such as consistent

performance, excellence and effectiveness in teaching, impact on the student, innovative approaches to teachings, and contributions to courses and curricula might be considered in determining your choice.

If you wish to nominate a G.E. teacher, simply write a brief letter stating you want to nominate, when and in what situations you knew your nominee, and why you are nominating the individual. Address your letter to:

Special Awards Committee, Department of General Engineering, University of Illinois, 117 Transportation Building, Urbana, Illinois 61801.

Letters of nomination must be received by January 13, 1978, to be considered by the departmental selection committee.

If you wish to nominate a teacher in another department, address your letter to that department.



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(Please send completed forms to Alumni Association, 227 Illini Union, Urbana, Illinois 61801)

ALUMNI NEWS

LOUIS H. ARNING '33, has retired from the Engineering Department of the E. I. duPont de Nemours & Co. of Wilmington, Delaware. He worked as a control engineer in foreign construction. Arning is now living in Florida.

On June 30 KENNETH W. HAMMING '40, retired after 37 years of professional engineering service with Sargent & Lundy. Hamming joined the firm in 1940 as a mechanical assistant and in 1945 became a member of the mechanical engineering staff. Hamming was admitted to the partnership in 1956 and named Manager of the Mechanical and Nuclear Department in 1946. One year later he was appointed Director of Engineering and became the firm's Senior Partner in 1966.

Hamming has received a number of honors for his accomplishments as a professional engineer, including election to the National Academy of Engineering and receipt of the First Annual Gamma Epsilon Distinguished Alumni Award, both in 1974. He is a member of a number of professional societies and serves on the governing bodies of several educational and professional organizations.

O. THOMAS PURL '48, changed his professional field from General Engineering to Electrical Engineering and is now Vice President, Devices Group, of the Watkins-Johnson Company in Palo Alto. In September he received a Distinguished Alumnus Award from the UIUC Electrical Engineering Alumni Association.

RUDOLPH G. LARSON '49, is a design draftsman for Straits Company in Aurora. He is currently working on tool and equipment design at Fermi National Accelerator Laboratory in Batavia.

WILLIAM A. CHITTENDEN '50, has been named Director of Engineering by Sargent & Lundy. Chittenden joined the firm in 1952 and was admitted to partnership in 1966. In his new post he will direct and coordinate the engineering and design for all power projects within the firm's three engineering departments. Formerly he was Manager of the Mechanical Department.

Chittenden is a registered professional engineer in 19 states and holds membership in the American Society of Mechanical Engineers, American Nuclear Society, and Western Society of Engineers.

RICHARD WILLIAM REYNOLDS '53, is Control Systems Manager for Sundstrand Hyrdo-Transmission in Ames, Iowa.

Last spring RICHARD L. HOARD '59, was elected a vice president of Ecodyne Corporation. Mr. Hoard joined Trans Union Corporation in 1967 as Manager of Market Research and Planning for the Union Tank Car Division. In 1969 he was transferred to Ecodyne Corporation where he served successively as Assistant to the President and as Vice-President - Marketing for Ecodyne's Smith & Loveless Division. Mr. Hoard was named President of Graver Water Division, Union, New Jersey, in 1973, and appointed Group Executive for Ecodyne's Water and Waste Treatment Group in 1974.

JULIUS E. MONGE '60, has been with International Harvester Company since graduation, working in sales and in product development. In 1972 he received his M.S.M. degree from the Advanced Management Institute at Lake Forest College.

Recently International Harvester created five free-standing businesses on a world-wide basis. One of these, the Payline Group, will have responsibility for the design, manufacture, and marketing of construction equipment with a projected sales of \$1.2 billion in 1977. As Manager Marketing Services for this group, Monge will be responsible for marketing research, product marketing, pricing, sales promotion, marketing communications, and marketing systems, reporting directly to the Vice President Marketing, World-wide.

Julius and Mrs. Monge, the former Rose Ellen Furlan, have three children: Julius III, age 14; Michele, 12; and Michael, 10; all of whom are future candidates for UIUC.

After 17 years as an engineer for the hydrology section of the Illinois State Water Survey in Urbana, THOMAS A. PRICKETT '60, has left the survey to be regional manager of the new water resources division regional office of Camp, Dresser & McKee (CDM) of Boston. CDM is the largest consulting firm in the United States which specializes exclusively in environmental engineering. This office is located in Champaign. Tom, his wife Alice, and their two daughters, Laura and Mary Beth live in Urbana.

ARNOLD J. FREUND '61, has left Des Moines, Iowa, for Southfield, Michigan, to be Director of Business Development for Gulf & Western Manufacturing Company.

RAYMOND A. RUTH '63, Sales Manager, Aluminum Company of America, has been located in Richmond, Virginia, since spring of 1976. He and his wife, Jane, have two children: Robin Lynn, age 7 and Scott 4. Ray writes, "Hello to all the guys of the Class of 1962-63. Let's hope our football team can put a good season together and we will meet at the Rose Bowl."

The Navy ordered Lcdr. GEORGE R. ARMSTRONG '64, to the University of Kansas at Lawrence in August to earn his M.S. in Petroleum Management. Dick's wife is the former Nannette Smith '64 in Home Economics Education. They have two children. Nan will take advantage of the move to earn a master's in educational psychology and research.

ROBERT CRAIG SMITH '65, is a computer systems analyst with the Campus Crusade for Christ in San Bernardino, California. Last spring he prepared the office layout and coordinated the details involved in moving 300 administrative headquarter employees of the Crusade to an office building in downtown San Bernardino. The two children which he and his wife have are Darrell, 8 years, and Natalie, 11.

DENNIS JAMES CALLAGHAN '67, has been promoted to Vice President, Manager of Southeastern Operations for Theodore Barry & Associates, a major national management consulting firm which provides a full scope of management services. He and his wife, Diana Dobry, M.S. '70 in Home Economics, moved from Los Angeles to Atlanta last December. She is completing work for an M.B.A. degree at Georgia State University.

ALUMNI NEWS

In 1971 ROBERT L. ZUMSTEIN '67, received an M.B.A. from Northwestern University and changed jobs. He moved from the position of planning engineer with Western Electric Company to that of Director, Division Planning for the Blue Cross Association in Chicago. Zumstein and his wife are adopting a Korean girl to increase their family of two sons, Justin and Seth, aged 6 and 2 years respectively.

Last spring JOHN M. MC KINNEY '69, left Honolulu to become Chief Engineer for Schultze & Burch Biscuit Company in Chicago.

JOHN D. COCHRAN '70, moved from Raleigh Hills Hospital in Spokane to become Administrator of the Raleigh Hills Hospital in Salt Lake City, one of their largest facilities. These hospitals specialize in the treatment of alcoholics.

BRADLEY K. DRAKE '70, is development project engineer with Woodward Governor Company in Rockford, Illinois.

Since JOHN R. GREEN '70, received his B.S. he has gone on to earn an M.B.A. in 1973 from Wayne State University and an M.S. in Industrial Management from M.I.T. Green spent 12 years with Chrysler, managing the Indianapolis Foundry and Twinsbury, Ohio, Stamping Plant. In 1971 he moved to Rockwell International where he has had general management responsibilities for an automatic division, and aircraft division, and a major household division. His present title is Vice President Operations, Corporate Staff, Rockwell International. His office is in Pittsburg.

On February 28, 1977, DENNIS L. POLHILL '70, was promoted to director of Public Works, City of Cumberland, Maryland.

MICHAEL W. PRETNAR '70, received an M.S. from Purdue University in August, 1977, and was promoted to project manager of a computer system by South Central Bell. He and his wife are located in Alabama.

JAMES L. DOBROVOLNY '71, received a J.D. degree from John Marshall Law School in February, 1975. He has passed the bar exam and is now assistant State's Attorney of Champaign County. Jim and Katherine Glasner were married on May 21, 1977.

Another engineer turned lawyer is CHARLES S. STAHL, Jr. '71. Following a 19-month clerkship with Judge John J. Stamos of the Illinois Appellate Court, Stahl, on April 4 of this year, joined the law firm of Arvey, Hodes, Costello & Burman, Chicago, as an associate attorney. He is one of eighteen lawyers in their Civil Litigation Department. The firm has fifty lawyers.

TERRENCE R. PHELAN '72, received his M.S. in Mechanical Engineering from UIUC in August, 1976. The next month he and his wife, Nancy, moved to Cincinnati where he is working in mechanical systems design for Ziel-Blossom & Associates, Consulting Engineers.

ROBERT B. BURNS, Jr. '73, received his J.D. degree from the University of Texas Law School last May. While enrolled there he received the Bard, Springs, Matthews & Jackson Award for the most deserving student in the field of patent law. At present he is an associate attorney with the firm of McKay & Wash in Austin, Texas. His wife, Marlo-Jo, is employed with the State Comptroller of Public Accounts.

A senior systems analyst for the Burroughs Corporation in Pennsylvania is MICHAEL F. PURCELL '73. He is engaged in the design and development of manufacturing management software systems. In his spare time he is working toward an M.S. in Computer Science at Villanova University.

For W. PETER SIEMS '73, and his wife, Phyllis, this past summer included a period of interesting travel in England, France, and Switzerland. Since July 1, 1973, Pete has been the civilian Mechanical Engineer for Chanute Air Force Base. Phyllis earned her B.A. and M.A. at the University of Illinois and has been teaching French to high school students at the National Academy of Arts in Champaign for the past four years.

Last June JAMES W. REDLICH '74, received the degree of Juris Doctor from Suffolk University Law School in Boston.

KATHRYN A. DAVIS '74, returned to Illinois after eight months of vacationing, studying, and working in Europe in January. During May Kathy started working in Portland, Oregon, a place she likes very much. She is employed as a geotechnical engineer by CH₂M Hill, a firm which provides services in engineering, planning, economics, and environmental sciences. A majority of the work is in "waste water and clean water plant design and treatment facilities. The geotechnical, i.e., dirt, department handles projects exclusively geotechnical in character for outside firms," as well as providing geotechnical services for in-house projects.

RONALD A. SMITH '75, is General Manager of Christiana Industries in Chicago and Working for an M.B.A. at Loyola University. On August 28, 1976, he and his wife, Mary, welcomed their first child — a boy, Joshua. Last May Joshua had successful heart surgery and "is now doing very well."

DEAN E. ANDERSON '76, is an engineer with United States Steel Corporation at its South Works. On September 24, 1977, Dean was married to Janet M. Grolla, a University of Illinois 1975 graduate in Home Economics.

DENNIS J. PROBST '76, is in engineering management with Compressor Engineering Company of Chicago.

On November 27, 1976, W. DALE MUNN '76, was married to Catherine Connery, also '76, but in Accounting. Dale is employed as a sales engineer and territory manager by Parker-Hannifin Corporation of Des Plaines. Managing the sales of cylinder and pneumatic products in Cook, DuPage, Kendall, Grundy, Will, and Kankakee counties of Illinois and Lake and Porter counties of Indiana is his responsibility. He is a member of the Chicago Chapter of the Fluid Power Society.

The first news of 1977 graduates has come from CALEB DIDRIKSEN. Caleb is with Anchor Hocking in Lancaster, Ohio. His job is titled Process Control Engineer, and his duties include taking temperature measurements in the plant on machinery on which profiles have never been done before. "The main purpose of his department is staff design, or redesign, of equipment presently used in the manufacture of glass tableware..." Originally, the job called for a person with at least two years of experience in the glassmaking industry, but the company decided Caleb could handle the work.