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WILLIAM A.
CHITTENDEN

ALUMNUS HONORED

The Fifth Annual Gamma Epsilon Distinguished Alumni Award was presented last April 13 to WILLIAM A. CHITTENDEN '50, an outstanding engineer who has brought honor to himself and to the Department of General Engineering.

Mr. Chittenden served in the Marine Corps immediately following graduation from the university. In January, 1952, he joined Sargent & Lundy, Engineers, to do basic mechanical engineering and design of fossil steam generating plants. He did graduate work in nuclear engineering at Northwestern University in 1955. As he gained experience and expertise, Mr. Chittenden directed work associated with a number of economic and feasibility studies, including High Temperature Gas-Cooled Reactor Plant Containment Building Design and Power Cost Normalization Studies in 1959, the BWR Technical Status Report Cost Study and the GCR Technical Status Report Cost Study in 1960, the Heavy Water Moderated Power Reactor Design Study, Maritime Nuclear Steam Generator Evaluation, 1000 MWe Molten Salt Converter Evaluation and Saline Water Conversion Power Reactor Plans for the Oak Ridge National Laboratory.

Mr. Chittenden was appointed Project Director and admitted to partnership in the firm in 1966. As Project Director he was involved in many major nuclear and fossil-fueled projects. November, 1973, brought his promotion to Manager of the Mechanical Department. In this position Mr. Chittenden was responsible for all mechanical and nuclear engineering and design, including direction of the various project directors and supervision of the mechanical divisions that support project management activities.

In 1977 Mr. Chittenden was named Director of Engineering. As such, he is responsible for directing and coordinating all engineering and design of projects. He supervises the Managers of the Structural, Mechanical, and Electrical Departments; reviews and participates in major engineering and design decisions; assists the Senior Partner in forming company policies; monitors job progress and the firm's performance; and supervises the Planning and Scheduling Division.

Mr. Chittenden is licensed to practice as a professional engineer in nineteen states. He has presented numerous technical papers and has had many articles published in trade literature. He is a member of the American Nuclear Society, the American Society of Mechanical Engineers, and the Western Society of Engineers. In addition he is or has been on seven professional committees.

ANNUAL AWARDS BANQUET

Gamma Epsilon and the Department of General Engineering collaborated to sponsor the Annual General Engineering Awards Banquet on Thursday, April 13, 1978. Honored at the banquet were the students and faculty members initiated into Gamma Epsilon this spring, the students who received departmental awards, and the recipient of the Gamma Epsilon Distinguished Alumni Award.

Of the twenty-three students joining Gamma Epsilon this spring two were seniors, nine juniors, and twelve sophomores. The seniors were BILLY A. FREDERICK and GERALD A. LEONARD. Juniors were ALAN K. DIPPEL, RICHARD M. EPSTEIN, MITCHELL S. FEIGER, JAY R. GOLDBERG, JAMES R. GUNNISON, SALLY JO NAGEL, JOHN E. REINERT, LAWRENCE E. THOMAS, and JOHN A. WAGNER. Included in the group of sophomores were CAROLYN M. DOYLE, BRUCE O. GONSHOLT, EDWARD J. JASELSKIS, DANIEL R. JOHNSON, DANIEL A. LANGLOIS, JOHN T. LINDERMAN, STEPHEN H. MITCHELL, LINDA S. PARKS, ROBERT L. SCHULTZ, Jr., BRIAN H. SILVER, ROGER H. STEIN, and JOANN WHITACRE. The two honorary members, EDWARD D. EBERT and HERBERT J. SPRENGEL, professors emeriti, received their certificates of membership in the honorary.

The Bernt O. Larson Senior Project Design Award for 1977 was presented to the team of WILLIAM C. CHEDISTER '77, JAMES H. CHRISTENSEN '77, JAMES R. JOHNSTONE II '77, DANIEL J. LAMBERT '77, and ANTHONY G. RILEY '77. Their project was sponsored by FMC Corporation-Chain Division which produces a large variety of link chains, thus using links of many different sizes and shapes. These men developed a Part Sorting and

Loading System for one particular type of link which will eliminate all contaminants and magazine the links in a manner allowing simple and direct transfer to a chain assembly machine. This project also received a Fourth Place Award in the 1977 Student Engineering Design Competition sponsored by the James F. Lincoln Arc Welding Foundation.

SHARON M. STEFANIK from Arlington Heights received the Edward S. Fraser Award as an outstanding graduating senior in General Engineering. She was so honored because of her high scholarship and participation in campus activities. Another exceptional graduating senior, CHARLES H. MOTTIER III of Springfield, was named recipient of the L.B. Phillips Award in recognition of his high scholarship, fine character, and participation in activities. The Randolph P. Hoelscher Award was presented to BARBARA L. EDSTROM, Springfield, the outstanding junior in General Engineering, as recognition of her scholarship, her potential as a leader, activities, and cultural development. The Ingersoll-Rand Awards were given to ROSEMARIE F. OREHEK '79 of North Riverside and TODD C. GREEN '79 from Evergreen Park. PATRICK J. ANDERSON '79, Oak Lawn, received the G.E. Department Scholarship for 1977-78.

Professor Emeritus Sprengel presented the First Annual Herbert J. Sprengel Award to the team of WILSON K. GRADY '79, Northbrook, ROBERT M. LARAMEE '80, Clinton, and ROBERT L. SCHULTZ '80, Chicago, for the best freshman design paper.

As the highlight of the evening, DAVID W. McCUNE '78, President of Gamma Epsilon, presented the Fifth Annual Gamma Epsilon Distinguished Alumni Award to WILLIAM A. CHITTENDEN '50. Mr. Chittenden is a partner in and the Director of Engineering of Sargent & Lundy Engineers, Chicago.

NEW DEPARTMENT AWARD

The Department of General Engineering proudly announces a new award to be known as THE HERBERT J. SPRENGEL AWARD. It will be given for the best freshman design paper submitted in either G.E. 103 or G.E. 104.

Professor Sprengel set up the award as follows:

"In order to encourage excellence in design skills and effective communications in project design, an annual award is established. This award is to be made at the appropriate time to the General Engineering freshman course team that develops the best design and submits the best report during the immediate past year (calendar year), especially in the areas of--

problem identification, design specifications, technical analysis, solution development, and graphical and verbal communications.

"The G.E. 104 Course Committee is to be the panel of judges in making this yearly award which is to be \$60.00 for the winning team."

G.E. ENROLLMENT GROWS

As of September 20 there were 534 students enrolled in the General Engineering Curriculum. This is the largest number ever registered in this curriculum. The second larg-

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AWARD WINNING TEAM

From left: front row, John A. Notradonato, Steven D. Rak, Prof. Ramamurthy and Prof. R.D. Hugelma; back row, Gary R. Steere, Ben Shepherd and Arthur Atherton of Chicago Bridge and Iron Company, and David H. Coyle.

ANOTHER AWARD!

For the ninth time since 1968 students in G.E. 242 have received an award for their design project in the Student Engineering Design Competition sponsored by the James F. Lincoln Arc Welding Foundation. The team of DAVID H. COYLE, JOHN A. NOTARDONATO, STEVEN D. RAK, and GARY R. STEERE received a Second Award for their design of a Two-Way Weld Positioner. Chicago Bridge and Iron Company of Oak Brook sponsored the project and Professors Ramamurthy and Hugelma served as advisors.

The purpose of the project was to design and model a large two-axis automatic welding table for curved plates to specifications supplied by the sponsor. The table will be used to fit and position three-plate assemblies which weigh a maximum of 120,000 lbs. The table must be able to tilt in one plane at a time. Its bed has to handle both convex and concave plate assemblies, to rest on saddles affixed to the bed itself. Drive assemblies and controls were part of the project and had to be incorporated into the table for easy control by an operator. In addition, the table had to be designed for extreme weather conditions since it would be in operation outside.

JETS and MITE Summer Programs

For 2 two-week periods this summer, high-ability high school students around the State of Illinois attended the Junior Engineering Technical Society (JETS) and the Minority Introduction to Engineering (MITE) summer programs. These programs, which have been conducted since 1962 and 1969 respectively, were highly successful according to the comments of the students who participated.

The students, during their two-week stay on campus, found out firsthand what the study of engineering entails, what life in a college dormitory is like, and about the different types of engineering that they might study. Participants in both programs took a plant tour to the General Motors Central Foundry in Danville, toured various engineering laboratories, heard lectures on the various phases of engineering, did some hands-on laboratory work, and learned how mathematics is used in engineering problem-solving.

The JETS program had 53 participants, including 15 females. The MITE program had 38 participants, with 21 females. Similar JETS programs were also conducted at Bradley University in Peoria, and the University of Illinois Chicago Circle. These programs had a total of 73 participants with 14 females.

The JETS program over the past 17 years has proven to be highly successful in helping high-ability high school students to determine what field of engineering is best suited for their talents. The MITE program, which is now nationwide, was held on 35 different college campuses and enrolled approximately 1500 minority students during the summer of 1978. The nationwide MITE effort, which was patterned after the minority program started here in 1969, has had outstanding results in making minority students aware of opportunities for careers in engineering and related areas.

The Urbana programs were conducted by Professors D.C. O'Bryant and G.E. Martin, and Dean P.E. Parker.

WORK ABROAD

Last summer BARBARA L. EDSTROM '79, Springfield, worked for Honeywell Bull Corporation at their headquarters in Paris, France. Barbara secured this position through the International Association for the Exchange of Students for Technical Experience (IAESTE). The company asked for an engineering student with a finance background. Since Barbara's secondary field is Business she met these requirements.

Barbara's work was not in an engineering field but was in finance. She was assigned to the Department of Corporate Reporting Consolidations and Social Accounting. This department periodically received income sheets and balance sheets from each of the company's European affiliates, consolidated them into one income sheet and one balance sheet, and sent them on to top management of Honeywell Bull. Then they were forwarded to Honeywell, Inc., in the United States for inclusion in their final analyses. This last operation was necessary because 45 per cent of Honeywell Bull is owned by Honeywell, Inc., U.S., with only 55 per cent being French-owned.

Barbara's position was part of an intern program initiated by the French government to give temporary employment to students, usually for six months. These internships frequently resulted in permanent employment, especially at Honeywell Bull. Salary for all interns in the company was 1600 French francs a month. As a female and a foreigner, Barbara experienced neither discrimination nor special treatment. She was treated as a colleague by the others in her department.

In spite of studying French for eight years, Barbara had some difficulty with the language. However, this was not much of a problem at work because all communications between Barbara's department and the affiliated companies was in English. In fact, her French supervisors expected her to handle any telephone calls from the affiliates and then translate them into French.

Barbara lived in housing that was available primarily to students. She rented a single room without a private bath or cooking facilities for 800 francs a month. Since this took half of her monthly salary and restaurant meals are expensive in Paris, Barbara frequently ate at McDonald's. Most of the tenants where Barbara lived were transients, here today

and gone in a couple of days, so her social life was a rather hit-or-miss, spur-of-the-moment thing. She did spend one weekend with the family of one of the French girls in her office. Members of the family went out of their way to be hospitable and Barbara enjoyed her visit with them even though they spoke only French.

Asked if she felt the experience was worth-while, Barbara said it was very worth-while and fun, too, inspite of the cold and rainy summer. She recommends a European working experience as interesting and enlightening.

ANOTHER G.E. IN THE FAMILY

CHERYL L. ENGEL '81 from Homewood is the third member of her family to study General Engineering at UIUC. Her two brothers, Richard M. '77 and Thomas L. '78 both graduated here in G.E. Their father, L.F. Engel, is a 1955 graduate from UIUC in Mechanical Engineering. Their mother is a "super" teacher of third graders. The young sister, Candie, will not be an engineer but may be a journalist, according to Cheryl.

Cheryl transferred to UIUC after two years of study at Prairie States Junior College in Chicago Heights. She chose the General Engineering curriculum because she likes mathematics but does not care to teach it. At first Cheryl was interested in engineering design but is now considering the field of sales engineering. The excellent salary and the opportunities for travel and advancement in this field appeal strongly to her. Her brothers may also be unconsciously influencing her in this choice. Richard is a sales engineer out of the Chicago office of Westinghouse Air Brakes and Thomas is a trainee in the Allen-Bradley Company's program with the probability of becoming a sales engineer for that firm. Moreover, Cheryl enjoys working with people and sales engineering offers opportunities for that.

Cheryl's hobbies include music and sports. She plays the piano and likes to sing. If you meet her on the Quad you may hear her singing to herself as she walks along. She particularly enjoys playing racquet ball and intramural volleyball.

Without a doubt Cheryl will succeed as an engineer. Her brothers are making good professionally and "if they can do it so can I."

ISGE ACTIVITIES

Returning from an enjoyable summer break, the officers of ISGE are looking forward to a successful year. The current officers are: president, ROSEMARIE F. OREHEK '79 from North Riverside; vice president, RANDALL H. DEMKE '79 of La Grange; treasurer, TODD C. GREEN '79, Evergreen Park; secretary, JANE E. REYNOLDS '81 of Flossmoor; and engineering council representatives, ALAN B. CROFT '79 from Wilmette and DANIEL K. MANKIVSKY '79 of Downers Grove.

At the first meeting, John Readman, a design engineer from Sundstrand Corporation in Rockford spoke on "What I Expect from Graduating Engineers." The students and faculty members present found his views interesting.

Future meetings are scheduled as follows:

Oct. 16 — "Stay Flexible" — Sam Leeper, G.E. graduate and president of Champaign National Bank

- Nov. 8 — Program to be announced.
- Dec. 6 — Speaker from Sargent & Lundy Engineers, Chicago

The ISGE picnic was held September 24 at Illini Grove. Beautiful weather, plenty of hot dogs, hamburgers, and watermelon, along with the ISGE members and faculty, made this picnic a great success. Professors Davis, Hugelmann, and Coskunoglu demonstrated their volleyball skills. With players like these the students might have some good competition in the Student-Faculty Volleyball Tournament next spring.

The Noon-Time Forum Program started last semester will continue this year. The meetings are scheduled from 12:00 noon to 1:00 P.M. on: Oct. 4, Oct. 25, Nov. 15, and Dec. 8, in Room 305 Transportation Building. On October 4 a representative from A.O. Smith spoke on "How To Get a Job and Keep It." At the other forums faculty members will talk on whatever subject interests them. All students and faculty members are invited to bring a lunch and a friend to these informal get-togethers.

The annual Strike O'Bryant Bowling Tournament will be held November 18. Will the students ever beat the faculty at bowling? Come join us and find out.

Two field trips are being planned for this fall. One will be to the General Motors Central Foundry in Danville. The other, co-sponsored by ISGE and Gamma Epsilon, will be a trip to and special engineering-oriented tour of the Anheuser Busch Brewery in St. Louis. Rumor has it that some product quality control testing will take place.

Plans for EOH are already being made by chairman MICHAEL B. JACOBS '81 of Chicago.

With the help of students and the faculty, this semester will be rewarding and fun for all involved.

NEWS OF GAMMA EPSILON

Gamma Epsilon is on the move this fall. Officers elected for 1978-79 are: president, SUE ELLEN KLECKNER '79 from Arlington Heights; vice president, MICHAEL R. HUBER '79 of Champaign; secretary, JOANN WHITACRE '80, Decatur, usually called JODY; treasurer, EDWARD J. JASELSKIS '80 from Evanston; and council representative, SILVANA MEDINA '79 of Joliet.

Plans for the fall include various activities. Regular meetings will be held monthly at Grunts, as in the past. A field trip to the Anheuser Busch Brewery in St. Louis in cooperation with I.S.G.E. is scheduled for late October or early November. Tentative data for the society's fall banquet and initiation at Levis Faculty Center is November 9.

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est group numbered 500 in September, 1976, but in the fall of 1977 only 496 enrolled.

This fall's class of freshman General Engineers includes 185 who entered in September plus two who entered in June for a total of 187. The largest freshman class entered in September, 1975, when 212 enrolled. In 1976 the freshman enrollment dropped to 185. It dropped still further in 1977 to 180. Perhaps this year's increase is the beginning of an upsurge in General Engineering enrollment.



DR. WEICHEN CHOW

Dr. WEICHEN CHOW joined the faculty as Lecturer in General Engineering in 1978. Prior to coming to the University of Illinois, he had 30 years experience in industry, and for the last 14 years he was employed by Amphenol North America, a division of Bunker Ramo Corporation, Broadview, Illinois.

Dr. Chow graduated from Lester Institute, Shanghai, China, in 1944 with a B.S. in Mechanical Engineering. He received his M.S. and Ph.D. in Mechanical Engineering from the University of Wisconsin in 1949 and 1952. He is a registered professional engineer in Illinois.

While at the University of Wisconsin, Dr. Chow presented two research papers to SAE national meetings, on "Diesel Combustion Process" in 1952, and on "High Temperature Muffler Materials" in 1956.

Dr. Chow was employed by Sparton Automotive, Jackson, Michigan, from 1953 to 1961 as an R & D engineer and later as Chief Development Engineer. His work included research on acoustics, contact arcing phenomenon, vibration analysis and electromagnetic products.

Dr. Chow's research areas at ITT-Kellogg, Chicago, were telephone switches, relays, interconnection systems, computerized wiring programs, and magnetic memory. Dr. Chow received the best paper award at the 11th National Conference on Electromagnetic Relays, Oklahoma State University, in 1963. His paper "Low-Speed Magnetic Memory Device" was published in IEE Transactions in 1965. Three research papers were presented at Holm Seminar on Electric Contact Phenomena, Illinois Institute of Technology in 1967, 1968, and 1969.

At Amphenol, Dr. Chow was employed as a Scientist, then Manufacturing Engineering Manager, and later Advanced Product Engineering Design Manager. He directed and conducted the constriction resistance research, contact normal force measurements, point to point wiring system design, tarnish film on gold plated contact studies, in-house electroplating production lines setup, automatic assembly machine fabrications, new precision R.F. connector and flat cable connector programs, and MX missile intervehicle connector concept proposals.

Dr. Chow was awarded more than 10 patents while working at Amphenol. Dr. Chow is a member of ASME.

FACULTY NOTES

Mr. WILLIAM G. BEAZLEY received his Ph.D. in Mechanical Engineering from the University of Texas at Austin this summer. The subject of his dissertation was "The Small Motion Dynamics of Bilaterally Coupled Kinematic Chains with Flexible Links." Dr. Beazley was promoted to Assistant Professor this fall.

Professor WILLIAM W. CHOW, with Professor E.I. Odell, published a paper "Deformations and Stresses in Soft Body Tissues of a Sitting Person" in the May issue of the *Journal of Biomechanical Engineering*. He also had two papers recently accepted for publication: "Embedded Markers to Measure Strain in Extremely Soft Materials" by *Experimental Mechanics*, and "Automatic Generation of Interlocking Shapes" by *Computer Graphics and Image Processing*. This summer he finished two chapters for the *Handbook of Plastics Products Design* edited by Professor Edward Miller at California State University, Long Beach. Professor Chow is currently working with Professor Herbert Jackson in the Art and Design Department to seek applications of interlocking shapes. He is also doing research in mechanical design and computer aided manufacturing.

Professor THOMAS F. CONRY left last June to spend the summer and his sabbatical semester at the University of Cambridge in England. He is working with Professor Kenneth L. Johnson on an experimental program to determine the behavior of lubricants under high pressure and high shearing rate operating conditions. This work will have useful application in the design of ball and roller bearings, gears, and roller drive transmissions.

Mrs. Conry and their two daughters accompanied Professor Conry.

Professor T.C. HARTLEY is to be congratulated. He shot a hole-in-one in the College of Engineering Golf Tournament last May 13 on the U. of I. course at Savoy.

Professor RODNEY D. HUGELMAN engaged in numerous consulting activities during the summer. He secured the donation to the department of a fluidically controlled industrial robot for which he holds the patent. These days his mode of travel to campus is a shiny new Yamaha 500 motorcycle.

Professor HOWARD W. KNOEBEL spent the summer completing a 36-ft. diameter round barn at his weekend retreat near Toledo, Illinois. He designed and built the barn so that it has no interior supports. To eliminate as much waste of lumber as possible, Knoebel chose a steep, seven-sided pyramid as the basic roof structure, to be carried on the vertical cylindrical walls. As on the Assembly Hall, the roof is supported with an exterior tension ring which, in this case, carries a pressure of 7,000 pounds per square inch. The ring is made of five layers of 1" X 6" boards bent around and nailed and glued together. The 2" X 4" plates at the top of the barn wall are also curved, having been sawed out of 2X10's. All wood cuts and the position and number of units for each row of shingles were calculated by computer. The shingles had to be applied in a specific pattern in order to fit.

Last June when Professor DAVID C. O'BRYANT and his family were driving to Vancouver, B.C., for the ASEE annual meeting they stopped in Glacier National Park in Montana to take pictures. (All three are shutter-bugs.) Climbing up the mountain side, Professor O'Bryant stepped on a loose stone which rolled, causing him to fall, dislocate his ankle, and break his leg. This necessitated his wearing a cast on his leg for two and one-half months. Even so, he directed the MITE and JETS programs and went fishing in Minnesota. Dean ROBERT BOKENKAMP filled in for Professor O'Bryant at ASEE, reading the paper O'Bryant had prepared for the meeting but could not present in person.

Visiting Professor S. RAMAMURTHY presented a paper entitled "Generalized Geometric Programming in Cold-Formed Steel Design" before the Fourth International Specialty Conference on Cold-Formed Steel Structures at the University of Missouri, Rolla, in June.

Professor HARRISON STREETER attended a briefing conference on the organization and operation of the U.S. Patent Office in Washington, D.C., last March. In June he traveled to Vancouver, B.C., for the annual meeting of ASEE. There he gave a paper titled "Ethical Problems in Engineering Design." Professor Streeter continues to serve as a member of the Ethics and Practice Committee of the Illinois Society of Professional Engineers.

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 1979 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 12, 1979 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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NAME _____ CLASS YEAR _____

ADDRESS _____ CITY _____ STATE & ZIP _____

SPOUSE'S NAME (If Illini) _____ COLLEGE & CLASS YEAR _____

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

ALUMNI NEWS

HAROLD H. HILL '25 retired in 1964 after 40 years with the American Blower Corporation.

ARTHUR C. REHM '25 retired 10 years ago. He has been glad that his degree was in General Engineering. The class of 1925 was the third class of G.E.'s to graduate from the University of Illinois.

On January 31, 1978, Bethlehem Steel Corporation announced the retirement of ROBERT B. STAMPFLE '37, senior metallurgical engineer, railway products, in the steel operations department after more than 40 years with the corporation. A native of Kansas City, Mo., he studied engineering at Kansas City Junior College and the University of Illinois. The latter awarded him a bachelor degree in General Engineering in 1937. Upon graduation Mr. Stampfle joined Bethlehem Steel's Management Training Program for college graduates. Initially, he was assigned to the Johnstown, Pa., plant in the metallurgical department but was transferred to the steam and combustion department where he served from 1938 until 1940. That year he returned to the metallurgical department as a metallurgical service engineer. In 1944 Mr. Stampfle was transferred to the home office as a development engineer, specializing in railroad products. He became assistant metallurgical engineer in 1948, metallurgical engineer in 1958, and later senior metallurgical engineer. He has been active in the American Society of Mechanical Engineers, American Society for Metals, American Society for Testing and Materials, Association of Iron and Steel Engineers, American Iron and Steel Institute, and has served as a liaison member with the Association of American Railroads mechanical division and the American Railway Engineering Association in maintenance of way. Mr. and Mrs. Stampfle plan to travel to the Midwest and Europe.

EUGENE HAROLD PIETSCH '38 is a mechanical and electrical engineer with Associated Engineers, Inc., of Fort Dodge, Iowa. He wrote last spring that he hoped to attend the 40th reunion of his class and see Illinois win a football game at home.

GERALD V. SHEFFER '49 is now Southeast Area Manager, Instruments Division of Gould, Inc.

Westinghouse Electric Corporation announced on May 3 the appointment of RALPH E. RECKA '52 to general manager of its industrial equipment division. Mr. Recka, a native of Chicago, joined Westinghouse immediately after receiving his B.S. in engineering from the U. of I. He held a number of sales positions in Chicago and East Pittsburgh before becoming district sales manager in Chicago in 1965. He was appointed marketing manager for the industrial equipment division in 1972 and became process equipment department manager the following year.

ROBERT T. MEYER '54 is General Supervisor Industrial Engineering for the Duluth Missabe and Iron Range Railway Company at Duluth. He was promoted from Senior Industrial Engineer for the Bessemer and Lake Erie Railroad Company at Greenville, Pa. Both companies are autonomous subsidiaries of U.S. Steel Corp. Mr. and Mrs. Meyer have five children.

FRANCIS P. SMITH '55 has been in Saudi Arabia since the end of May on a six-month assignment for Northrop Corp. He is involved in the construction of a military airport, one of three being built in that country.

RICHARD D. JONSON '56 has been promoted from Vice President of Marketing to Vice President and General Manager, American Bosch Electrical Products Div., AMBAC Industries, Inc.

THOMAS E. DOW '63, formerly marketing manager, radial tires, at the Kelly-Springfield Tire Company, is now marketing engineer for the company's parent corporation, The Goodyear Tire & Rubber Company in Akron, Ohio. He and his wife, Sally, have two children, Jeffrey and Shari.

LOUIS HECHT '66, J.D. '69, was named Secretary of Molex, Inc., last year. He joined the company as Patent Attorney and General Counsel in 1974.

MICHAEL HORA '66 is a principal associate in the Chicago office of A.T. Kearney, Inc., international broad-line management consulting firm. As maintenance superintendent with Midland-Ross, maintenance department manager for Signode, and general supervisor of technical services with Armour-Dial, Hora gained extensive experience in plant engineering and maintenance, manufacturing services, and energy management before joining Kearney in 1973. A member of A.S.M.E. and the American Institute of Plant Engineers, he received an M.B.A. from Loyola in 1972.

STEVEN G. JONAS '66 received the J.D. degree from Wayne State University in June, 1970. From June, 1971, to March, 1978, he was an attorney with American Motors Corp. Then he joined Modern Engineering Service Company in Troy, Mich., as Attorney and Director of Corporate Administration. This is an engineering firm serving the automobile and ground transportation industry. Jonas and the former Connie Cecile Chan, a native of the Philippines, were married in May, 1977.

The University of Chicago awarded an M.B.A. to BRIAN RICHARD BACHMAN '67 in March, 1969. Bachman is Marketing Manager for Semiconductor Products Div., FMC, in Broomfield, Colorado.

LCDR. RICHARD LEWIS BACHTA '67 is Safety Officer, Training Air Wing Two at the Naval Air Station in Kingsville, Texas. His primary duties are flight instruction in TA4J aircraft.

Last March LOUIS A. FRIEDRICH '67 resigned from Ernst & Ernst, CPA's, to become Deputy Director — Management, Office of Management and Budget, City of New York. His responsibilities include the city's revenue budget of approximately \$14 billion, as well as federal and state relations relative to the budget. In this time of crisis for New York City, Friedrich finds his new position very demanding and intense but quite rewarding.

JAMES E. SKIERSKI '67 is research engineer for Frito-Lay, Inc., in Texas.

As a partner in the Chicago law firm, McCaleb, Lucas & Brugman, RICHARD B. HOFFMAN '70 is practicing patent, trademark, and copyright law. He received a J.D. degree from DePaul University in June, 1973, and has completed classroom requirements for a Master of Patent Law at John Marshall Law School. Dick has only to complete his thesis in order to receive that degree.

IZIM OKEREN '70 is Data Processing Co-ordinator for Potash Corporation of Saskatchewan in Canada.

JAMES S. SCHLIFKE '70, Law '73, a member of the law firm of Stone, Pogrund & Korey, was admitted to the practice of patent law last fall. On Feb. 13, 1978, he and Mrs. Schlifke welcomed the birth of a daughter, Michelle Lynn.

JOHN G. HRIVNAK '71 is Product Manager, Automated Sorting Systems for Sandvik Conveyor in New Jersey.

MICHAEL DEAN CLARY '72 is mechanical engineer with the Arkansas Power and Light Company in Little Rock.

In September, 1974, JEFFREY C. COLLINS '72 received an M.S. in Civil Engineering from U. of C. at Berk-

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ley. He is with Exxon Company, U.S.A. Recently he was transferred from a position as project engineer on the development of Prudhoe Bay facilities to a similar position on the installation of an offshore marine terminal for a permanently moored, offshore barge for the storage of crude oil. This marine terminal with Single Anchor Leg Mooring (SALM) is the first of its type in the continental United States. The SALM/barge combination services Exxon's recently installed HONDO platform, the second largest platform in the world.

FREDERICK J. FRITZ '72, who received an M.B.A. from Harvard Business School in 1974, completed his fourth year with Quaker Oats Company last spring. He is branch manager for Aunt Jemima Pancake and Syrup. Fred recently purchased a four-flat apartment building in the Old Town area of Chicago. On the side he is teaching disco dancing at a discotheque on the Near North Side.

Since April, 1977, MICHAEL J. RIZZO '72 has been with Control Specialists, the Los Angeles agent for Fisher Controls Company. Presently he is project manager of a group designing, with a Los Angeles engineer, instrumentation systems for two nuclear power stations in the orient.

Central Michigan University awarded an M.B.A. to DONALD NICHOLAS DUMICK '73 last January. He is Assistant Service Manager for S & C Electric Co. in Chicago.

JAMES E. MARCONNET '73 is Associate Methods Engineer with Detroit Diesel Allison Div. of General Motors. He is in Quality Assurance, specifically in the Assembly and Test Inspection Group for off-highway transmissions. Jim's responsibilities include inspection specifications, transmission final test specifications, and test equipment maintenance. He was married in February, 1975. Jim and his wife, Patricia, have no children.

As a mechanical engineer for W.A. Whitney Corp., JAMES W. ORR, Jr., '73 has been developing a new plasma arc cutting torch option for the firm's computer controlled steel plate punching machines. Last December Karyn Ann joined Jame, three years old, in the family of Jim, Jr., and his wife, Gynel.

On November 28, 1976, RALPH J. WAGNER '73 and his wife, Brenda, became the proud parents of Krista Marie who is doing fine and really keeps them active. After receiving an M.B.A. in July, 1977, from the State University of New York, Buffalo, Ralph accepted a promotion and transfer to the Chicago Regional Sales Office of the Union Carbide Corp. He is a sales engineer in the Environmental Systems Department, selling various processes for wastewater and potable water treatment. One of those processes utilizes a mixing/mass transfer device for which Ralph was named co-inventor.

Since receiving his M.B.A. from the University of Chicago in December, THOMAS R. ZIECH '73 has been promoted to project engineer by the Inland Steel Company.

JOHN C. DANNENFELDT '74 received his M.D. from Northwestern University Medical School last June and started the first year of a residency in Family Practice at Peoria Methodist Hospital in the summer. Although studying medicine, John worked the four previous summers as a control systems engineer on the NASA Space Shuttle rudder/speed brake system at Sundstrand Aviation in Rockford. He is interested in the utilization of interactive computer systems in the medical office and home for patient education, history taking, lifestyle management, and routine administrative details.

THOMAS H. NICOLE '74 is an engineer with the Fermi National Accelerator Laboratory in Batavia.

HERBERT J. GREEN '75 continues as a Campus Life Club leader for Youth for Christ in the Denver area.

On July 1 PERRY C. HENDRICKSON '75 and Linda S. Tracz '78 in Horticulture, were married. Perry received an M.S. in Civil Engineering from UIUC in October, 1977. He is now an engineer with Exxon Research and Engineering in New Jersey.

As of September 30 GREGORY P. KONNEKER '75 had passed and submitted his dissertation for an M.B.A. in International Business at the University of Bradford, England. His dissertation dealt with the forecasting of foreign exchange rates. Greg planned to complete his year of study under a Rotary Foundation Educational Award for International Understanding by traveling around Europe for a few weeks before returning to the U.S.

TIMOTHY R. SIMON '75 has joined Sargent & Lundy as a design engineer.

DAVID H. SMITH '75 and Ginger L. Nemecek '75, FAA, were married in June, 1976. David is presently attending the University of Pittsburgh Medical School.

MICHAEL J. STEVENS '75 is with the Maremont Corp. in Carol Stream.

JEFFREY E. BURGARD '76 and Catherine Kronst '76 were married in November, 1977. From graduation until last June, Jeff worked as a construction engineer for the Illinois Department of Transportation. Now he is a design engineer in the Mechanical Design Department of Universal Oil Products. As such he is designing reactors, pressure vessels, piping, etc., for oil refineries throughout the world. At present Jeff is the only G.E. in the department, his colleagues being either mechanical or civil engineers. However, except for structural design and concrete design he feels the G.E. curriculum prepared him better for this job than any other curriculum would have done.

MICHAEL J. CARDONI '76 completed his M.B.A. at UIUC in May and is now a quality control engineer for Cummins Engine Company.

MARIANNE ANDRASEK GOREN '76 is a project engineer in the Advanced Engineering Department of the Copeland Corp. in Ohio. Copeland makes compressors for heating and refrigeration systems. Marianne's first job was a computer simulation of a total heating and air conditioning system.

PATRICIA A. HUMPHREY '76 is an engineer in the Product Engineering Department of York Automotive Div. of Borg-Warner Corp. in Decatur.

STEVEN B. TODARO '76 has left the Denver area to join Ingersoll-Rand in New Jersey as an application engineer.

JAMES H. CHRISTENSEN '77 is a research engineer with Caterpillar Tractor Company.

Since graduation MARY R. JANKOUSKY '77 has been working as a "Product Engineer" for the Power Circuit Breaker Division of Westinghouse Electric. She is a "marketing representative but more of a technical specialist than most salesmen." Mary plans to study for an M.B.A. in the night program at the University of Pittsburgh.

Starting in September, 1977, WILLIAM C. PAYDEN '77 became a firefighter for the City of Moline. Bill completed training as an Emergency Medical Technician in April. This training is necessary because the fire department provides the ambulance service for the city.