



NEWSLETTER

DEPARTMENT OF GENERAL ENGINEERING

University of Illinois · Urbana, Illinois

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GAMMA EPSILON NEWS

Gamma Epsilon, General Engineering honorary, honored new initiates at a banquet May 11, 1967 at the Town and Country Restaurant in Urbana. Invitations to join the organization have been extended to fifteen prospective members.

Brass medallions in the shape of the Gamma Epsilon crest are being made this year, and negotiations are also being formulated for a jewelry company to supply pins or keys.

Last December the group made a field trip to Western Electric in Chicago, and enthusiasm among the members for an activity of this type was shown by so many that a similar trip is planned as an annual event.

TAU BETA PI HAS INITIATION

Tau Beta Pi, engineering honorary, which is celebrating its seventieth year on the University of Illinois campus, initiated, among others, three G. E.'s: JAMES S. SCHMOHE, ARTHUR G. BLOMBERG, and GEORGE A. PAGELS.

SCHMOHE, Milford, Illinois, and BLOMBERG, Park Ridge, Illinois, are both seniors. PAGELS, whose home is in Chicago, is a member of the junior class. Scholastic requirements for initiation require an average of 4.25, or better.

R. C. MATTHEWS, who was graduated from the Department of Mechanical Engineering in 1902, and served as the national secretary-treasurer from 1902 to 1947 was invited to attend the initiation.

H. ROY CHOPE, president, and R. H. NAGEL, secretary-treasurer of the national organization were also invited to attend the service.

ISGE IN 1966-67

The Illinois Society of General Engineers was quite active this year under the leadership of PHILLIP KASIK, of Glen Ellyn, Illinois, President; ARNOLD BANDSTRA from Champaign, Vice President and Chairman of G. E. arrangement for Engineering Open House; THOMAS LORD, Chicago, Treasurer; LARRY LEKOVISH from Westmont, Illinois, Secretary; and the Engineering Council Representatives, MARVIN SMOLLAR from Chicago, and MICHAEL DINITZ from Lincolnwood, Illinois. At the May meeting election of officers for the coming year was held.

The G. E. hospitality room at Engineering Open House was conducted by ISGE. The society nominated PHIL KASIK, ALTON GRANDT, JR., Farmington, and TERRY L. BRADLEY, Sheffield, as candidates for Knights of St. Pat. In addition, ISGE distinguished itself by having its nominee for St. Pat's queen selected as one of the finalists. She was SUSAN MARIE MAIER from Peoria, Illinois, a junior in LAS.

ISGE planned a spring picnic rather than a senior banquet this year.

GENERAL ENGINEERING ALUMNI REUNION

PLANS DEVELOP

The General Engineering alumni banquet is being planned for Friday evening November 3, 1967. This event should afford an excellent opportunity for our graduates to renew old friendships and meet new people. An invitation is also being extended to all seniors in General Engineering.

A Saturday morning seminar will include a look at the developing General Engineering curriculum. Another important item on the program will be the development of major objectives for the alumni group. During the meeting, officers will be elected and a board of directors chosen for the Constituent Alumni Association.

This weekend is designated as Dad's Day at the University of Illinois and a Saturday luncheon at the Illini Union will be held early enough so that everyone can attend the Illinois vs. Purdue football game. Wives are cordially invited to attend any or all of these functions.

ISPE

ROBERT JEWETT has recently relinquished the helm of the Champaign County Chapter of the ISPE so we can now use the sobriquet, "emeritus president," if we care to. His enthusiasm is as undimmed as ever, however, so all of you who are "non-registered" -- look out!

BOB and MARY LEE spent a delightful few days in Puerto Rico attending the National Professional Engineers' Convention in January.

DAVID O'BRYANT has been elected second vice president of the Champaign County Chapter of the Illinois Society of Professional Engineers. DAVE has been treasurer of the organization the past two years, and has been an active member of the

ISPE (cont'd)

ISPE for several years. Incidentally, he is embarked on the long road to a doctorate in education.

The "G.E. Scooters," and we don't mean DAVID REYES-GUERRA and his gang, are hard at it every day at noon in the armory. DON SCHECK, PAUL STEINBECK, WALT MILLER, and CARL EDSTROM are the intrepid souls who have taken Dr. Cureton's advice "to heart." One of them told us, in confidence, that they were really training in order to be able to compete with the traffic when crossing Green Street. If DAVE ever gets around to banning all traffic on campus, our "Scooter" friends will have to find a better excuse for exercising.

FACULTY FEATURES

Continuing leadership in engineering education requires active participation in many related engineering fields. Here are some of our faculty actions in recent months.

Our Department Head, JERRY DOBROVOLNY, attended the Summer Science Training Program Director's Meeting in New Orleans, Louisiana - January 18-22, 1967, for the purpose of making final plans for the implementation of the eighth Six-Week Summer Training Program for High-Ability Secondary School Students to be held at the University of Illinois again this summer. This outstandingly successful program is designed to help direct high school juniors toward a better understanding and appreciation of career opportunities in engineering.

Illinois Society of Professional Engineers

JERRY is a member of the Illinois Society of Professional Engineers' Education and Scholarship Committee, which was extremely active this past year in planning a very important program for the annual ISPE meeting held in Chicago on May 5 and 6. PROFESSOR DOBROVOLNY chaired an afternoon general session devoted to the discussion of the implications of the "Goals of Engineering" study report from the American Society for Engineering Education. Dean George H. Hawkins of Purdue was on the program reporting in behalf of the study committee. Joining in a discussion of his comments were several practicing engineers from the State of Illinois.

American Technical Education Association

In December 1966, JERRY was elected Vice President of the American Technical Education Association at the annual convention in Denver, Colorado. He has been a member of the Board of Trustees for three years. His very active participation in the development of a sound technical education program cutting across the full

range of the various related technologies includes presentation of papers before the Association. He attended the Long Range Planning Committee meeting of the ATEA Board of Directors in New York City, January 11-13, 1967.

Manager's Course

In January BILL BERKOW completed his first University Extension Division course on "Group Decisions in Industry." Fifteen top management people of the local Magnavox Company comprised the class which met for thirty sessions of two hours each.

The course is designed to bring together a firm's engineers, accountants, sales managers, and key manufacturing personnel in a free exchange of information for the purpose of improving interdepartmental communication and, subsequently, better cooperation.

As the course progressed, the Magnavox participants presented and discussed in detail actual company projects. Recent correspondence from Magnavox indicated the course was "well received" by the managers who attended.

BILL has also been involved in the production of a 15-minute motion picture film entitled, "Group Decisions in Industry." This film is now available for rental from the University of Illinois Visual Aids Service.

Center for Zoonoses Research

The University's Board of Trustees has appointed JOHN PEARSON to a senior membership in the Center for Zoonoses Research at the University of Illinois. The Dean of the College of Veterinary Medicine and Director of the Center for Zoonoses Research made the recommendation for the appointment which was concurred in and presented to the Board by President David D. Henry.

G.E. 241

Next to the last design course required of all students in General Engineering is G.E. 241 which is scheduled for the first semester of the senior year as a prerequisite for G.E. 242. The course covers component design with a broad approach since the students are responsible for both structural and mechanical aspects of the components.

At present the students are about to complete designs for a marketable snorkel unit which can be fast-hitched to a farm or industrial tractor. Principal use of such a unit will be in fighting farm fires, but the students will undoubtedly think of other uses as selling points for the snorkel.

Last semester the students in G.E. 241 had two projects. The first one was to design the tongue for a 500-bushel wagon. This involved determining the weight of the maximum load and of the wagon itself plus the power required to pull it under all conditions--over dry pavement or mud and snow; across level ground or up a steep incline. Since the minimum load of such a wagon filled to capacity is about 16 tons, a large tractor would be required to move the wagon under the best conditions.

In the second project an industrialist had a home in the country on a bank overlooking Lake Michigan. The family of the industrialist wanted to build a treehouse on the lot which would provide a place for his wife's bridge parties, his daughter's slumber parties, his two sons' boy scout activities, and a view of the lake. Unfortunately, there were no trees large enough to hold such a structure and the father would allow the use of a small corner of the lot on the lake side only if the bottom of the structure was at least twenty feet above the ground so the view of the lake from the home was unobstructed. These requirements meant constructing the building over a brush-covered incline that dropped to the lakeshore, and equipping it with all conveniences for year-round use. There was only sandy loam soil in which to anchor the structure. Essentially, this problem was to design a column which had bending moment in two directions and supported both axial and torsional loading due to live, dead, and wind loads.

WE ARE LOST!

The G. E. Constituent Group and the University of Illinois Alumni Association records departments are both anxious to keep their address records up to date. To do this, tracers are sent out to locate Alumni when their mail is returned with an incorrect address. However, there are a number of Alumni that we have not been able to locate. We ask your assistance in getting further information.

Our present list of missing General Engineers includes:

FRANK CECIL DAYTON, JR., B.S. '54
 MERVIN LEAL GENUNG, B.S. '42
 ROBERT ORMOND JOHNSON, B.S. '59
 JOHN WINFIELD LEHMAN, B.S. '32
 RAYMOND A. PETERS, B.S. '48

If you have any information, or a recent address for any of these men, please write a note to PROFESSOR JOHN E. PEARSON, G. E. Constituent Group, 401 Transportation Building, University of Illinois, Urbana, Illinois 61801.

RAY T. ALEXANDER, B.S. '39, is a Project Engineer employed by C. F. Braun and Co., Alhambra, California, and lives in LaCanada.

GEORGE RICHARD ARMSTRONG, B.S. '64, is on a tour of duty with the U.S. Navy aboard the USS Essex.

JAMES W. BALDWIN, JR., B.S. '51, obtained his M. S. and Ph. D. degrees here in the TAM Department. Presently he is a Professor of Civil Engineering at the University of Missouri. He spent his last year with Rust Engineering, Pittsburgh, Pennsylvania, under the "Ford Foundation Residencies in Engineering Practice" program.

HOWARD E. BEYER, B.S. '63, lives in LaGrange Park, Illinois, and is an engineer with the Illinois Bell Telephone Company.

MELVIN E. EILERS, B.S. '39, has moved to Livermore, California, where he is Director of Research and Development for Coast Fuse, Inc.

STANLEY R. FELDERMAN, B. S. '57, received his M.B.A. from Northwestern. He is a Marketing Representative for I.B.M. - Data Processing Division in Chicago.

JOSEPH M. FIKE, B. S. '34, lives in Bridgeville, Pennsylvania, and is a Consulting Lubrication Engineer for Mobil Oil Corporation, McKees Rocks, Pennsylvania.

LYLE DEAN GERDES, B. S. '62, received his M.S. from the University of Illinois in February and is working on structural analysis at Sandia in Albuquerque. Many of our students will remember his teaching in General Engineering.

JOHN RUSSELL GREEN, JR., B.S. '60, received his M. B. A. in 1962 from Wayne State University and in 1966 his M.S. in Industrial Management at M.I.T. as an Alfred Sloan Fellow. RUSSELL is a Plant Superintendent for Chrysler Corporation.

RUDOLPH E. GREY, B.S. '55, resides in North Olmsted, Ohio, and is an Aerospace Engineer, NASA, Lewis Research Center, Cleveland.

CHARLES F. HEDBLUM, JR., B.S. '64, lives in Alhambra, California, and has a new position as Applications Engineer, Microdot, Inc. of South Pasadena.

JULIUS D. HOLMQUIST, B. S. '53, is a real estate broker for Penn Phillips Lands, Inc., in Grass Valley, California. He and his wife, the former ANN THAYER, B.A. '54, have two daughters, Jane, 9, and Inga, 7. Their home is in Sacramento. He reports that his company is selling beautiful one- to five-acre home sites in the foothills of the Sierra Nevada. The new land

ALUMNI NOTES (cont'd)

development offers an "ideal climate in the Mother Lode Country" and an 18-hole golf course and swimming pool.

OTIS E. HUBBARD, B.S. '60, is Senior Mechanical Engineer for the Toni Company in St. Paul, Minnesota. OTIS, along with his wife and two children, Paul Eugene, three years old, and Elizabeth Ann, two years old, lives at White Bear Lake.

C. D. KACALIEFF, B. S. '44, is president of The Chris Kaye Plastics Manufacturing Co. at Madison, Illinois, and lives in Clayton, Missouri.

RICHARD KARL KEYZER, B. S. '59, and M.B.A. '65, from University of California at Los Angeles, is the European Representative for the Pacific Scientific Company at Anaheim, California. He and his family, which includes his wife, three boys and a girl, live in Orange, California.

JOHN R. KORNGIEBEL, B.S. '63, has a position in Caracas, Venezuela, where he is a Service Representative of Caterpillar Americas Company.

ALBERT W. LANDECK, B.S. '62, is a Lieutenant in the U.S. Navy, and is working on an M.S. in Industrial Engineering at Ohio State University. He, his wife, and son, Albert B., returned to the midwest last fall after two years in Hawaii, where he served as a Chief Engineer on the submarine Tang.

JACK D. MORRIS, B.S. '50, lives in Covington, Louisiana, and is a Sales Engineer for Louisiana Metal Culvert Company of Baton Rouge. His family includes a wife and four children. In his letter he commented, "this section of the country is in a boom period of construction."

WALTER J. OLIVER, B.S. '50, M.B.A. '59, University of Chicago, is a Senior Project Engineer for Barnes and Reinecke, Inc., Chicago, and was married in 1965. He has designed, built and raced a sports car in the Midwest Sports Car Club races.

JON L. PEACY, B.S. '58, is a Sanitary Engineer with the State Department of Public Health, Springfield, Illinois. JON has joined the Bureau of Air Pollution in Springfield.

GERALD B. PODLIN, B. S. '59, and M. E. '63, is living in Buchanan, Michigan, where he is employed as a Senior Systems Analyst for the Clark Equipment Company. He is in the Data Processing Department.

ARTEMUS W. PULFORD, B.S. '62, is a Design Engineer for Automatic Electric Laboratory, Northlake, Illinois. He and his family which includes his wife and two small daughters, Ellen and Diane, reside in Glendale Heights.

ALUMNI NOTES (cont'd)

CHARLES W. QUANTOCK, B. S. '57, in General Engineering, and B.S. '65, in Physics, U.S. Navy Post Graduate School, and M. S. '66, Aeronautics and Astronautics at M. I. T., is a Lt. Commander in the Special Projects Office, U.S. Navy, Washington, D.C. He is serving in the Inertial Guidance Section, working on the Polaris and Posiedon.

RICHARD A. RANSOME, B. S. '50, recently became Executive Vice President, O.S. Walker Company, Inc. in Worcester, Massachusetts.

LARRY E. SHPINER, B. S. '60, and M. S. '62, is living in Silver Spring, Maryland, and is a member of the technical staff of T.R.W. Systems in Washington, D.C.

HERBERT J. SINGER, B. S. '63, and J. D. '66 from Loyola University, is a patent law trainee with the firm of Silverman and Cass, Chicago. In June, 1966 he married ROCHELLE KRISBERG, who was graduated from the University of Illinois in 1965. She is teaching in an elementary school in Oak Lawn, while he is working for a degree of M.P.L. (Master of Patent Law) at the Lawyer's Institute, John Marshall Law School, Chicago.

FRANCIS P. SMITH, who was graduated in 1955, recently wrote PROF. J.S. DOBROVOLNY an interesting letter from Thailand, where he is a Project Manager for Vinell Corporation. His firm is under contract to the United States Operation Mission in a development project.

RANDAL M. SMITH, B. S. '61, and M.B.A. '63, from the University of Illinois, is a Production Control Engineer, Pittsburgh Plate Glass Company in Cumberland, Maryland. The SMITH'S are parents of a daughter, Julie Denise, and a son, Eric Douglass.

ROBERT B. STAMPFLE, B. S. '37, is employed as a Metallurgical Engineer for the Bethlehem Steel Corporation in Bethlehem, Pennsylvania.

RONALD A. STEEN, B.S. '56, received his M.B.A. in 1966 from the University of Chicago, and is a Product Planning Specialist for the J. I. Case Company in Racine, Wisconsin.

JAMES K. TAYLOR, B.S. '63, has recently become a Staff Engineer with Caterpillar Tractor Company of East Peoria.

ROBERT A. ZAKES, B.S. '64, taught in the department while working toward his M.B.A. in 1966. He is an Assistant Sales Representative with IBM in Chicago. He will be serving as a First Lieutenant in Army Ordinance.

ROBERT G. ZILLY, B.S. '42, and M.S. '47, is living in Stevensville, Michigan, and is Editor of "Building Construction Magazine."