Welcome Students and Alumni

The mechanical engineering department extends a heartfelt welcome to the new and returning students as well as our alumni. We hope you’re looking forward to an interesting new year.

Chairman’s Update

Your Mechanical Engineering Department at the University of Kansas has again had an exciting year. The job market for our graduates has substantially increased. This, as usual, has happened at a time when our enrollments are down. The next few years should present excellent opportunities for our graduating seniors. I hope that you have enjoyed the additional issues of our newsletter. These are due primarily to the efforts of LaRoux Gillespie. He is an active Mechanical Engineering Advisory Board member and supports the department in many ways.

Students have been very active in the SAE and ASME competitions. The students entered a competition to participate in the SAE Propane Vehicle Challenge. They were one of the winners of this competition and received a pickup from Chrysler Corporation to convert to propane using innovative technologies. The competition was held in Texas and our team placed 6th overall with a 1st in three categories. For the second time our students competed in the ASME HPV (Human Powered Vehicle) competition. The competition was held in San Diego and the students did an outstanding job placing 5th. The students again entered the SAE Formula competition in Pontiac, MI. The formula team placed 37th out of 75 teams. A new tradition was established at the HPV competition. Alumni in the area of the competition got involved with the student team and provided the team with support in a number of areas. Feedback from both the students and the alumni indicated that a good time was had by all.

The student section of ASME again sponsored the annual Rube Goldberg competition at Engineering Exposition. The various devices entered were extremely creative and provided a great deal of excitement and positive publicity for Mechanical Engineering. The students in ASME continued the practice of separate competitions for grade school, high school and university students. The introduction of the exciting and fun things that can be done in engineering to grade school and high school students should be very positive for our department in the future.

The students in the department continue to uphold the outstanding traditions established by our alumni.

Terry N. Faddis
Faculty

The mechanical engineering department currently consists of 12 faculty members who have a variety of interest, knowledge and expertise. The mechanical engineering faculty members are:

**Louis C. Burmeister**, Professor (Ph.D., Purdue); Solar Energy, Heat Transfer, Fluid Mechanics

**Hector McI. Clark**, Associate Professor (Ph.D., London); Wear and Erosion, Materials Selection.

**Terry N. Faddis**, Chairman and Professor (D.E., Kansas); Mechanical Design, Computer-Integrated Manufacturing

**R. Bryan Greenway**, Assistant Professor (Ph.D., Kansas); Flexible Manufacturing, Machine Design

**Donald A. Gyorog**, Professor (Ph.D., Wisconsin); Thermodynamics, Control Theory, Internal Combustion Engines

**Carl Luchies**, Assistant Professor (Ph.D., Michigan); Biomechanics, Biomedical Engineering, Kinematics, Dynamics, Experimental Measures

**Charles D. Reese**, Professor (Ph.D., Oklahoma); Mechanical Design, Applied Mechanics, Computer-Aided Design

**Robert M. Sorem**, Assistant Professor (Ph.D., Kansas); Mechanical Design, Computational Mechanics, Finite Element Formation and Application, Mechanics of Materials, and Composite Material Mechanics

**Karan S. Surana**, Deane E. Ackers Distinguished Professor (Ph.D., Wisconsin); Solid Mechanics, Finite Element Methods and Software, Computational Mechanics and Computational Fluid Dynamics

**Jerry D. Swearengen**, Assistant Professor (Ph.D., Southern California); Fluid Mechanics and Signal Processing, Measurement Methods for Fluid Mechanics

**Peter W. TenPas**, Associate Professor (Ph.D., Iowa State); Computational Fluid Dynamics, Computer-Aided Thermal Design

**Robert C. Umholtz**, Associate Professor (M.S Kansas) Kinematics, Dynamics of Machinery, Computer-Aided Design

**Bedru Yimer**, Professor (Ph.D., Dayton); Heat Transfer, Fluid Mechanics, Thermodynamics, Thermal Dynamics

Memorials

We were recently saddened by the loss of one of our students, Seth Dunscomb.

Seth Dunscomb, 21, of Sullivan, Illinois, died January 22, 1997, after collapsing during the Jayhawks’ practice at Robinson Natatorium. Seth was a captain on the Kansas swimming team and had been a consistent top-15 finisher last season. He also excelled academically. Seth was scheduled to join more than 250 other Jayhawk Scholars in a recognition ceremony at half-time on January 22, Kansas - Texas A&M basketball game. He was selected to the Phillips 66 Academic All-Big Eight Honor Roll last year.

*(Paraphrased from The Kansas City Star, Section D, Page 1, Thursday, January 23, 1997)*

Dunscomb was a graduate of Sullivan High School and was a four-year letter winner in swimming and track. *(Paraphrased from The University Daily Kansan, Vol. 103, No. 82, Section A, Page 1, Thursday, January 23, 1997)*

Seth is survived by his parents, Richard and Connie Dunscomb.
We were saddened to hear about the loss of one of our alumni, Lemoin S. Votaw.

Lemoin S. Votaw, Class of ’37, died on September 4, 1997. He is survived by his wife, Lucy.

---

### ME Honor Roll

This new section is to let the students know that the ME department is proud to have them and our alumni know that they have reached the School of Engineering's Honor Roll List.

#### Fall 1996

<table>
<thead>
<tr>
<th>Ferran Ayala</th>
<th>John Hollis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salahi Basaran</td>
<td>Mark Johnson</td>
</tr>
<tr>
<td>Jeremy Bodecker</td>
<td>Brian Keen</td>
</tr>
<tr>
<td>Flynn Collins</td>
<td>Stephen Schwalm</td>
</tr>
<tr>
<td>Michael Gay</td>
<td>Dennis Shen</td>
</tr>
</tbody>
</table>

#### Spring 1997

<table>
<thead>
<tr>
<th>Ferran Ayala</th>
<th>David Nelson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salahi Basaran</td>
<td>James Peltier</td>
</tr>
<tr>
<td>Jeremy Bodecker</td>
<td>Jason Schloetzler</td>
</tr>
<tr>
<td>Flynn Collins</td>
<td>Stephen Schwalm</td>
</tr>
<tr>
<td>Timothy Garmoc</td>
<td>Lora Stephanchick</td>
</tr>
<tr>
<td>Michael Gay</td>
<td>Milack Talia</td>
</tr>
<tr>
<td>Timothy Martin</td>
<td></td>
</tr>
</tbody>
</table>

### Annual Awards Banquet

Student scholars, faculty and staff reaped the rewards of their hard work recently at the departmental Awards Banquet on April 24, 1997, at the Eldridge Hotel.

The award winners are listed as follows:

#### 1997 Charles J. Baer Scholarship & Award:

- Jeremy Bodecker (Award)
- Angela Reilly (Scholarship)

#### 1997 Robert M. Carey Graduate Fellowship:

Iain Shigeoka

---

### Wesley G. Cramer Scholar Award:

- Salahi Basaran
- Sean Cosgrove
- Valerie Flood
- Mark Johnson

### Exxon Educational Award

- Michael Gay
- Noel Winn

### Melvin J. Huxtable Award:

- Teresa Melcher

### Koch Industries Scholar Award:

- Flynn Collins

### Harry M. Lindquist Memorial Award:

- Stephen Schwalm

### Phillips Scholarship:

- Ferran Ayala
- Clifford Frazier

### Wilbur E. & Mina Wyatt Memorial Scholarship:

- Xiaoyan Li

### Zimmerman Graduate Fellowship:

- Max Bona
- John Dreher

### Outstanding Senior Award:

- Mark Johnson

### Wesley G. Cramer Mechanical Engineering Faculty Award:

- Robert M. Sorem

### ASME Outstanding Faculty Award:

- Bedru Yimer
- Robert C. Umholtz

### SAE Appreciation Award:

- Robert Sorem
- Charles Gabel

### Hoglund Graduate Fellowship in Engineering *:

- Sam Bona

*This Fellowship is awarded every two years to a Mechanical Engineering Student from the Engineering Dean’s Office.
The next annual banquet will be on April 23, 1998, at the Adams Alumni Center. Bruckmiller Room. This is a grand event honoring our outstanding students. All alumni and guests are invited to attend. Please notify Sharon Leidman if you are interested in receiving more information.

**Student Organizations**

**THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)**

**Faculty Advisor:** Jerry D. Swearingen

The American Society of Mechanical Engineers (ASME) promotes and enhances the technical competency and professional well-being of its membership and activities in mechanical engineering, to better enable its practitioners to contribute to the well-being of humankind.

KU students participate in the annual ASME-sponsored Human Powered Vehicle (HPV) competition, by designing a HPV, which is a bicycle with a fairing on the outside. Entries are judged on design and performance.

**The current elected officers are:**
- Chairman: Valeria Flood
- Vice-Chairman: Ray Reinhardt
- Secretary: Darren Radke
- Treasurer: Mittal Patel
- ESC Representative: Max Bona

Last year's elected officers are:
- Chairman: Ryan Hartwich
- Vice-Chairman: Samir Kani
- Secretary: Samir Kani
- Treasurer: Steve Pond

**THE SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)**

**Faculty Advisor:** Robert M. Sorem

The Society of Automotive Engineers (SAE) is an engineering society of over 60,000 members who are dedicated to advancing mobility. Through SAE, these engineers and scientists work together for engineering, research, development, design, manufacture, and utilization of land, sea, air, and space vehicles.
The KU SAE chapter participates in the Formula SAE Competition, which is part of the annual SAE collegiate Design Series and a national competition, the Propane Vehicle Challenge, which involves converting a compressed natural gas 1995 Dodge Dakota to run on dedicated liquid propane.

The current 1997-98 elected officers are:

Chairman: Gerald ‘B.J.’ Ducey
Vice-Chairman: Valerie Flood
Secretary/Treasurer: Owen Greib
ESC Representative: Valerie Flood

---

**Student Activities**

**FORMULA SAE CAR RACE**

The Formula SAE competition provides engineering student the opportunity to conceive, design, fabricate, and compete a small formula-style racing car. The restrictions on the car frame and engine are limited so that the knowledge, creativity, and imagination of the students are challenged. The cars are built with the team effort over a period of about one year. The Spring 1997 competition was held at Pontiac, MI. Students compete with approximately 100 other schools from across the nation. The end result is a great experience for young engineers working together in a dedicated team effort in a meaningful engineering project.

Captain: Dustin Norlund
Co-Captain: Jim Peltier
Co-Captain: Darren Radke
Fund Raising: Alvaro Mata, Brandy Smith, BJ Ducey

The Formula SAE Competition was held at the Pontiac Silverdome parking lot, Pontiac, MI, in May. This was the fourth year the KU team participated in all event at the competition. KU’s rating was 37th out of 75 teams. We were in the top 10 for Lowest Cost, 25th for Skidpad, 28th for Autocross, the 31st for Design, and 38th for the Brake and Noise tests. The teams all need to pass the static and/or technical tests for safety regulations prior to being allowed to compete in the rest of the events. A lot of juniors attended this competition to be prepared to participate in this year’s competition. Clancy Schmidt and Bill Spencer from the S.C.C.A. were very helpful to this year’s team by donating time, money and equipment in order to help the students complete the car. Clancy Schmidt also attended the competition with our team. We saw several alumni, Ray Janssen (Chrysler Corporation) and Kris Mixell (Richardo of North America), who had attended the competition on behalf of their respective companies. Many attending seniors received job offers from companies that were at the competition. Dennis Shen, ’97 BSME/Business graduate, is now in an engineering position at Chrysler Corporation.

Earlier in the year, March 1997, KU hosted a mini-competition for interested mid-western universities. The University of Missouri (MU) attended but the University of Illinois-Champaign was unable to attend at the last minute due to damage to their car. While the KU students were whirring around the course Saturday, March 29, 1997, at the Memorial Stadium parking lot, MU was busy making last-minute adjustments. By late afternoon KU had developed some problems of their own. “Both have brand new cars, built from the ground up,” Lawrence volunteer Clancy Schmidt said. “They’re full of bugs. The idea today is to get them out there and break them in. These students need to learn that a 15-cent fuse can put you out of the competition. They need to learn that what works on paper won’t necessarily work out here.” (Partially reprinted from the Lawrence Journal-World, March 30, 1997)

PROpane VEHICLE

The students on this team were Ryan Wade (Team Captain), Chris Belcher, Kevin Gridor, Aaron Kuehl, Ron Hampton, Chris Papa, Jason Funk, and Kelly Finnerty.

The Propane Vehicle Challenge was held in San Antonio, College Station, and Austin, TX, on May 14-19, 1997. Teams scored points in various areas: emissions, fuel economy and acceleration. This was the first year the KU team participated in this competition. KU placed 6th overall and first in three categories: Vehicle Design Inspection and Driveability as well as receiving the Best Teamwork Award.

This was the second annual Propane Vehicle Challenge competition which brought together more than 300 students from 17 schools across the continental United States, Canada and Puerto Rico. Each received a gasoline-powered vehicle from Chrysler Corporation to convert to propane using innovative designs to maximize performance and minimize pollution.


The Propane Vehicle Challenge demonstrated to the public the characteristics of propane that make it a practical alternative fuel that can contribute to cleaner air and to North American energy security. Students who participated in the Challenge also got the opportunity to make a names for themselves as innovators of new technology.

(Sections paraphrased from press release from the Alternate Fuel Division, Texas Railroad Commission, May 19, 1997.)

During the 1997-98 school year, there will be an Ethanol Vehicle Challenge in lieu of the Propane Vehicle Challenge. The 1998 Ethanol Vehicle Challenge Competition is similar to the Propane Challenge in as the students will convert a normal gasoline-powered vehicle (1997 GM Malibu 3.1L V6) into an ethanol-powered (85% ethanol/15% gasoline) vehicle.

ASME Human Powered Vehicle

For the second year in a row, the University of Kansas competed in the ASME sponsored Human Powered Vehicle competition. The event was held April 4-6, 1997, in San Diego, CA. Team members were Max Bona, Clifford Frazier, Terri Melcher, Lora Stepanchick, and Richard Tidd. The group designed and built a semi-upright carbon composite frame and fairing, and competed in the single rider event. We are pleased to announce that the team placed fifth overall out of 30 schools form across the country.

The competition is broken down into three categories: design, male and female sprints, and the road race. This year’s team placed fifth in design, tenth in sprints, and fifth in the road race. This was an improvement over last year’s placement of eleventh overall. Next year’s team is already in the making, and with the return of
one of this year’s team members, there is a good possibility for improvement.

We would also like to extend a special thanks to Frank Gordon and Jim Warner. Jim and Frank are both KU alumni living in San Diego. Without their help, we would have been greatly overwhelmed with the logistics of transporting the bike to and from the proper locations. It’s comforting to know that KU alumni stick together and are so hospitable.

Max Bona

PI TAU SIGMA INITIATES 1996-97

On November 5, 1996, Pi Tau Sigma held their fall initiation at the Burge Union, Daisy Hill Room. The fall initiates are:

Max Bona        Clifford Frazier
Flynn Collins   Kevin Grider
Juan Cordova    James Pettier
Valerie Flood   Angela Reilly
Jason Thibault  Michael Watt

On April 3, 1997, Pi Tau Sigma held their spring initiation at the ME Conference Room, Learned Hall. The spring initiates are:

Michael Gay     Stephen Schwalm

Alumni Update

WHERE ARE THEY NOW?

Here is the latest news on some of our Alumni!

George L. Cooper, Class of ‘49; retired Vice President and General Manager, Medical Gas Division of Puritan-Bennett Corp. George has a 160 acre farm and raises cattle and hay. He is a volunteer school tutor and site council member, along with holding the offices of president of the historical society and church treasurer. He has traveled the far east and Europe and is “just having a good time”. He is also a retired USAF Colonel.

Gerald D. Doherty, Class of ’63; President of Dunbar Systems, Inc. Gerald retired as Vice-President of Engineering for Sara Lee Bakery and Vice-President of Engineering Projects for Mission Foods and is now a supplier of bakery equipment to the commercial high tech baking industry—global, as well as in the US and Canada.

George B. Fraser, Class of ’53; retired President and General Manager of Waialua Sugar Co., Inc. George is married to Margaret Ednie Fraser and his children are Cdr (SC) Heather Fraser, USN; Allan, who is an EE with Westinghouse; and Mark, who works for National Shipbuilding.

W. Scott Gibbs, Science and Technology Advisor, Class of ’76; Currently works for the Nuclear Material and Reconfiguration Technology Programs at the Los Alamos National Laboratory, Los Alamos, NM.

Cdr. Louis W. Heacock, USNR (Ret.), Class of ’66; Research Engineer for NISH. Louis’ job involves creating jobs for people with severe disabilities by work centers set up manufacturing of products for the federal government. NISH is currently working with 540 work centers, providing employment for over 19,000 people with severe disabilities in production and services contracts with the government.

Carl Hood, Class of ’62; Senior Program Leader for Northrop Grumman, Electronic Systems and Sensors Division. Carl is the grandson of George Hood (Class of ’02) and the son of Henry Hood (Class of ’32). Henry retired from Eastman Kodak Corp. in 1972 and lives in Rochester, NY with his wife of 65 years, Margaret Farr Hood (Class of ’32). Carl has lived in the Baltimore-
Winter 1997

Washington, DC area since 1963 and is married to Cynthia Marshall Hood and has three children ages 18-24.

Barrett Jesseph, Class of '91; Maintenance Engineer for Phillips Chemical Co. Barrett married Jennifer Loftus (an ME graduate of the Colorado School of Mines) in Aug. 1996. They live and work in the Houston area.

Mou-Hui King, Class of '44; retired Chairman of China Steel Corporation. Mou-Hui retired from China Steel in 1990 and is enjoying good health in his retirement. He was back on campus in 1994 for the class reunion, and again in 1996 for the Templin Hall dormitory reunion. He often remembers his KU days and all his teachers and classmates, and was looking forward to Chancellor Hemenway and Dean Locke's visit to Taiwan this year.

Omer E. Lamborn, Class of '52; retired engineer for the Bendix Corp. Omer followed his Bendix retirement by running his own sheet metal company for nine years. He presently travels worldwide and golfs.

Edward J. McBride, Ph.D., P.E., ("honorary" KUME graduate...KU degrees were a B.S. in Engineering Physics and a Ph.D. in Engineering Mechanics). After 2 years as an Army officer, including Vietnam, 8 years at Black & Veatch, 10 years at ARCO Oil and Gas, and 3 years at West Virginia Wesleyan College as Associate Professor of Engineering Physics/Applied Mathematics, Edward is currently a Consulting Engineering in Colorado Springs solving problems other people have difficulty with. He enjoys hiking, snow-shoeing, mountain bike riding, replenishing his bodily fluids with adult beverages and having more fun than any human being has a right to.

Gregory S. Mailen, Class of '77; was named Chief Engineer at Ceramic Cooling Tower Company (CCT) on February 13, 1997. Gregory has worked for CCT since 1982 when he began as a project engineer. George and his wife, Diane, are the parents of three children and reside in Waxahachie, TX.

Myron B. Margolis, Class of '59; International DC-10 Captain for Continental Airlines. Due to the F.A.A.'s mandated age 60 retirement rule, Myron stepped out of the captain's chair on his birthday (July 24) and returned to the Flight Engineer's position, where he will be until further notice.

William (Bill) E. Munson, Class of '50; retired Manager of Hydro electric, H.V. transmission and substation installation and maintenance for the Power Authority State of New York. He and his wife, Patricia, have retired to the foothills of the Smoky Mountains in Tennessee. Their home overlooks Watts Bar Lake, a TVA flood control and hydro power installation. A golf course is three miles from home and there is great fishing, barbershop singing, craft work and church activities to occupy their spare time.

Larry Rapaganani, Class of '67; Assistant Provost for Information Technologies at the University of Notre Dame. Larry's job responsibilities include administrative, research and academic computing, educational media, and networking services for the entire campus. Larry also received his MSME from Missouri in 1969 and his Ph.D. in Applied Sciences in 1983 from the University of Brussels, in Belgium.

Roy E. Roberts, Class of '63; retired after 31 years from General Motors Corp. as General Supervisor in Reliability Engineering at the Leeds Assembly Plant in Kansas City. He and his wife, Linda, recently became grandparents. Son, Brent, and daughter-in-law, Beth, gave birth to Rachel Kathryn on January 5, 1997. They live in Lee's Summit, Mo. Where he is a project architect with HOK Sports Facilities in
Kansas City, MO. And she teaches at the Blue Springs, MO high school.

**George M. (G. Milton) Russel**, Class of ’38; retired from Boeing Seattle for 20 years. George is a grand nephew of the Wright Brothers and the only member of the Wright family to make aviation a career. He lives in a beautiful rural area next to Alpena, MI. George has four grandchildren, 4 great grandchildren and just became a great great uncle.

**Richard Stallbaumer**, Class of ’66; Director of Engineering for Pioneer Engineering. Richard started Pioneer in February 1994 and has developed a new concept in truck mounted cranes which is currently being marketed and sold through the dealer network throughout the US. All three daughters are through college and now in the work force (two of the three attended KU at some point in their college experience). Richard’s wife, Toby, has her own business creating clothing and selling at the retail level.

**William Swanberg**, Class of ’91; Senior Consultant for Ernst and Young. William earned his Juris Doctorate and Masters in Business Administration majoring in Finance, both from KU in 1996.

**Marian A. Taylor**, Class of ’93; Manufacturing Development Engineer for Hewlett-Packard. Marian works for manufacturing as a liaison with design engineering to ensure manufacturability of new printed circuit assemblies. She lives in Loveland, Colo. With her husband, Michael (who owns a dental laboratory), daughter Alecia (age 10) and new sone, Nathaniel Alexander, born in December 1996.

**Michael T. Wattai**, Class of ’84; Senior Test Engineer for General Motors Corp. Truck Group. Michael received his MSME from Oakland University in 1989 and an MBA from the University of Detroit in 1993. He works in the GM Truck Engineering product test and development Laboratories. He and his wife, Ann Marie have three children: Christopher, age 9, Patrick, age 7, and Elizabeth, age 6.

Is your name missing from our update? Return the information form from the back page of this newsletter and let us know how you are doing. Any updates received will be included in the next edition of M.E. Vibrations. We look forward to hearing from you!

---

**Donor Listing**

The following are FY97 (7/1/96 - 6/30/97) donors to the Mechanical Engineering Department. We would like add our thanks to all of the department’s previous donors for their generous contributions.

- P. J. Adam
- Richard R. Alford
- AlliedSignal Foundation Incorporated
- AlliedSignal Kansas City Division
- American Society for Engineering Education, Inc.
- A-One Propane Gas
- AT&T Foundation
- Charles J. Baer & Mary Tanner Baer
- Joe Bauman & Joanie Bauman
- Gerald L. Bennett
- Keith Bentz
- Pete Black
- Robert L. Blakely
- Bruce F. Bodecker
- Boeing Commercial Airplanes Group
- Boeing Company (The)
- Tim F. Bowyer
- Boys, Incorporated, The
- Philip M. Burger
- Burger Engineering, Incorporated
- John Carlson
- Prof. Robert N. S. Chiang
- Eugene L. Combs Sr.
- Kevin D. Cook
- George L. Cooper & Ruth Jean Cooper
- Cooper Industries Foundation
Winter 1997

Jill P. Swanberg & William M. Swanberg
Rebecca H. Swaykus
Team American Racing, Incorporated
Tensor Technologies, LC
Texas Instruments Foundation
The Ashland Oil Foundation Inc.
The M. W. Kellogg Company
Dale D. Theobald & Jane Hannah Theobald
Warren M. Thomas
Kenneth M. Timmerman
Joseph D. Toplikar
Gregory S. Towsley
Lt. Arthur R. Tucker
Rodney I. Unruh
Robert J. Vigna
Dennis B. Vroonan
Joseph J. Vyhanek
Kenneth G. Wabel
Robert W. Wakeman
Robert R. Williams
Wire Rope Corporation Of America, Incorporated
Zhaolin Xie

Financial Support

All gifts in support of teaching and scholarships at the University of Kansas may be sent to the Kansas University Endowment Association. A non-profit corporation, the Endowment Association was founded in 1891 to manage and encourage private gifts for KU.

Donors may support the Department of Mechanical engineering by designating that their contribution is for the department. Contributions can be cash, marketable appreciated securities and real estate. Donors also may wish to make a planned or deferred gift. Planned gifts, which may provide both lifetime income and immediate tax benefits, can be tailored to donors’ needs and objectives.

Options include: 1) Bequests by will, which are simple to complete and enable donors to retain their assets during their lifetime; 2) Charitable remainder trusts, which provide important income and estate tax deductions along with the flexibility to address specific income needs of the donors and their beneficiaries; 3) Remainder interests in farms and residences, which offer tax benefits while allowing donors to enjoy their property during their lifetime; and 4) Gifts of life insurance, which can magnify support for KU at a lower cost to the donor.

For details on these and other ways of giving, please write to: Lorie Walker, Development Director, School of Engineering, The Kansas University Endowment Association, P.O. Box 928, Lawrence, KS 66044-0928 or call (785) 832-7400

Department Facts

The first B.S. degree was awarded in 1900.
The first M.S. degree was awarded in 1913
The first D.E. degree was awarded in 1971
The first Ph.D. degree was awarded in 1983

Through the Class of 1997 the total number graduates with each degree from our department are:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.S.</td>
<td>3116</td>
</tr>
<tr>
<td>M.S.</td>
<td>363</td>
</tr>
<tr>
<td>D.E.</td>
<td>13</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>25</td>
</tr>
</tbody>
</table>

The Mechanical Engineering Department has been housed in old Fraser Hall, Marvin Hall, Fowler Hall, and Learned Hall.

The first Mechanical Engineering course taught at the University of Kansas was taught by W.K. Palmer.
### Alumni Update

In order for us to know what you are doing and inform others in future newsletters, drop us a note or fill out this form and return it to: M.E. Vibration Newsletter, The University of Kansas, Mechanical Engineering, 303 Learning Hall, Lawrence, KS 66045 or send us e-mail at kume@mech.ksu.edu or visit our web site at http://www engr.ksu.edu/~kume.

<table>
<thead>
<tr>
<th>Class</th>
<th>Name</th>
<th>Address</th>
<th>Company</th>
<th>Title</th>
<th>News about yourself, your family, your job</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>