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Annual Report

Kalanovic's CST Supports ME Department

Cheerleaders Back on Campus

Hoven's Hub Dedicated during M-Week

M-Day and M-Week are times that highlight both School of Mines students and the long-standing traditions of the university, and for that reason, M-Week 2010 was the perfect setting for a ribbon cutting celebration of the Hoven's Hub, the newly remodeled student lounge area in Surbeck Center named in honor of John (ME 67) and Cheryl Hoven. The Hovens and their family, all from California, were present and honored at the ribbon cutting ceremony.

The Hoven's Hub sits prominently near the lower level entrance to Surbeck Center and welcomes students with comfortable seating, a contemporary atmosphere, and modern, electronic displays. The Hovens hope to provide students a "home away from home," and a pleasant, comfortable place to gather, dine, socialize, and study.

The Hovens' generous support and vision for the Surbeck Center led to the creation of the Hoven's Hub through the establishment of the John Paul and Cheryl Hoven Endowment Fund at the School of Mines. Their endowment ensures that the Surbeck Center will remain a focal point for student affairs and activities for perpetuity.

"I have many memories of my years at the School of Mines, especially all of the hours spent at the Surbeck Center which opened its doors the year I was a freshman," said John Hoven.

"Cheryl and I hope that students of today and tomorrow will make the same kinds of memories and have the same types of experiences that I did when I was a student here," added Hoven.

The Hoven's endowment will provide funds to allow the Surbeck Center to be outfitted with modern furnishings and equipment, and their support will also allow for the continual maintenance and improvement of the areas where students spend so much of their time. The Hoven's endowment will also help complete the Veteran's Resource Center, an area for School of Mines' veterans to connect with each other and partake in educational resources including college and study skills, tutoring, career services, counseling, and referral services.

"We are very pleased to help make School of Mines students a little more comfortable with the Hoven's Hub in Surbeck Center," said the Hovens. "We are simply returning a favor for the career the School of Mines helped start."

John and Cheryl are now enjoying retirement after Cheryl's 38-year career with TRW/Northrop Grumman and

John's 43 years in the plastics industry which allowed them to travel extensively to many remote corners of the earth.

John was born and raised in Selby, South Dakota, and fondly recalls Boy Scouts, Little League, swimming on summer days in Lake Hiddenwood, and finally some academic achievement in high school. Upon entering the South Dakota School of Mines in the fall of 1963, his interest in manufacturing processes led John to study mechanical engineering. He soon found himself surrounded by very bright students and realized that the only way to compete was through long, hard hours of studying which taught him his work ethic.

As a student at the School of Mines, John became a member of the Delta Sigma Phi fraternity, and he participated in the American Society of Mechanical Engineers, the Society of American Military Engineers, Toastmasters, and various Surbeck Center committees. John treasures the lasting friendships that were formed over the course of his four years at Mines.

Upon graduation in 1967, John joined Shell Chemical Plastics Division in Torrance, California, as a technical engineer. It was at Shell that he got his foundation in plastics processing. John took a leave of absence from Shell and served in the Army Corps of Engineers for three years in Germany. His last year was as a captain and was spent with Brigade Headquarters in Ludwigsburg in the Operations and Plans Section with responsibilities across Southern Germany. The European assignment gave John a wonderful opportunity to vacation in almost every West European country.

After his tour of duty, John returned to Shell and was once again in plastics, helping customers with molding applications. Eventually, John left Shell to sell and manage sales of molding machines before founding a company that specialized in producing electronic enclosure.

John partnered with, Jim Robertson, a friend from Shell, to utilize the new process of structural foam molding with unique equipment from Germany. Their company grew rapidly and supplied customers including Xerox, H-P, IBM, and Techtronix with strong rigid housings for monitors, processors, printers, and other devices. John remained president of Structural Plastic Systems until selling his interests in 1984. In the late 1980s, John was president of Anjac/Doran Division of Whitaker Corp. before joining a small former customer, Pelican



John and Cheryl Hoven

Products, Inc.

Pelican Products, Inc. was in its early stages and used contract manufacturing to produce a limited line of industrial flashlights and three rugged carrying cases. John had the foresight to bring all of the manufacturing and engineering into a Torrance, California, facility. That same facility is still operating 20 years later. It employs over 600 people and has annual sales of over 350 million dollars.

Pelican Products is now known worldwide for its technically advanced flashlights and lighting systems, complete range of virtually unbreakable protective cases, and rotational molded shipping containers. John holds numerous U.S. and worldwide patents and is respected as a leading authority in structural foam molding.

John has also been actively affiliated with professional organizations in the plastics industry throughout the years. His involvement and leadership positions have included being chairman of the Structural Plastics Division of the Society of the Plastic Industry (SPI); chairman of the SPI Western Conference; president of the Southern California Chapter of the Society of Plastic Engineers (SPE); and being recognized for his contributions and service to the plastics industry by being named a "Plastics Pioneer" by the SPI in 2007.

John and Cheryl currently reside in Manhattan Beach, California, and are frequent visitors to the La Quinta desert and Mammoth ski area in the winter. The Hovens have five children, twins Lee and Lisa, Vikki, Jeremy, and Mark. They are also very attached to their six grandchildren, all of whom live within a couple miles of Cheryl and John.

Ribbon Cutting Held at Paleontology Building

A vast crowd gathered for a ribbon cutting ceremony held outside of the new Paleontology Research Laboratory on the campus of the South Dakota School of Mines and Technology on September 1, 2010.

School of Mines President Robert A. Wharton Ph.D., South Dakota Governor Mike Rounds, Rapid City Mayor Alan Hanks, and South Dakota Regent Kathy Johnson were among the honored guests. After a keynote speech by Gov. Mike Rounds, the ribbon was cut and the crowd moved indoors for refreshments and tours of the new facility.

Paleontology at the School of Mines has been an integral part of the university for more than 100 years. The Museum of Geology currently houses more than 500,000 invertebrate and vertebrate fossils, mineral and rock samples and fossil plants, holding some of the best scientifically documented specimens in the world and making the collection one of the largest in the United States.

The 33,000-square-foot Paleontology Research Laboratory provides a safe,

environmentally-controlled location for the Museum of Geology's fossil, geological, and archival collections. The facility houses geochemistry, preparation and molding/casting laboratories for the preparation, preservation, and conservation research involving the collections. Viewing windows allow visitors to see into the laboratories and to observe the steps needed to take a fossil from the ground to a museum exhibit.

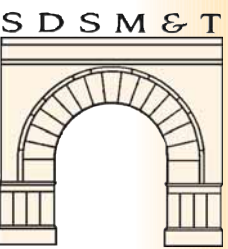
The new facility also serves as an important academic resource to the School of Mines paleontology master's program, the only one of its kind in the United States. With the natural laboratories of the Black Hills and Badlands, School of Mines students have a unique opportunity to move directly from the field to preparation and curation work.

"This facility places us on the cusp of being the best and largest paleontology research center in the Northern Great Plains area," said Dr. James Martin, executive curator, Museum of Geology. "The combination of these new resources with our field-oriented location positions us to do some of the most important pale-

ontology research in this region and beyond."

In addition to the collections it houses, the building itself is unique and is the only state-owned building in South Dakota to earn a Leadership in Energy and Environmental Design (LEED) Gold certification. To earn LEED Gold status, several design elements were incorporated in the building.

Roof runoff from the building is used for landscape irrigation, the landscaping around the facility is focused on native grasses, and bike racks and showers are provided to encourage students and faculty to reduce pollution from automobile use. In addition, recycled materials were used throughout the building. The concrete in the building includes 25 percent fly ash, a coal waste product, and the lobby walls are clad in Dakota Burl, created from agricultural waste from sunflower hulls, a renewable resource. The facility has also reduced energy costs by 25 percent by using high efficiency fluorescent lighting fixtures, low-e insulating windows, and extensive use of motion sensors.



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Close-Ups

Dr. Dimitrios Anagnostou, assistant professor, Electrical and Computer Engineering, has been appointed an associate editor for the publication *IEEE Transactions on Antennas and Propagation*.

Dr. Karen Braman, associate professor, Math and Computer Science, has been awarded a research grant from the National Science Foundation (NSF). The grant, entitled "Eigenvalue Computation via the QR algorithm: Advanced deflation techniques," is the continuation of the work that won a national award in 2005. Braman is the principal investigator for this grant with a budget that is slightly over \$100,000. This research seeks to speed up the computation of eigenvalues which is an essential tool in a vast number of applications in science and engineering.

Dr. Kyle Riley, chair/associate professor, Math and Computer Science, commented, "We are very excited about this research, and the potential it has to remove a nagging bottleneck that has slowed down the use of the QR algorithm in parallel computing."

Daun Davids, master's candidate in Robotics and Intelligent Autonomous System, has been awarded an American Indian Science and Engineering Society (AISES) Google Scholarship for the 2010-2011 academic year. AISES is dedicated to substantially increase the representation of American Indian and Alaska Native populations in the disciplines of science and engineering. The Google Scholarship is specifically focused on supporting students in computer science and computer engineering. This competitive scholarship will extend \$10,000 in support for this next academic year. This year happens to be a very busy one for Daun since she is also due to finish her thesis work under **Dr. Randy Hoover**, assistant professor, Electrical and Computer Engineering.

Dr. James Feiszli, director of music, has been awarded the 2010 Lifetime Achievement Award from the South Dakota Chapter of the American Choral Directors Association (SDAC-DA). The honor recognizes the significant impact on the lives of students pursuing excellence in choral music throughout the director's teaching career.

Feiszli has served as director of music at the School of Mines since 1983. He oversees the music program, directs three choirs and the brass choir, and teaches applied voice. He is also active as a tenor with Dakota Voices, his six-voice vocal ensemble.

Dr. Roger Johnson, professor, Mathematics and Computer Science, **Dr. Donna Kliche**, associate professor, Institute of Atmospheric Sciences, and **Dr. Paul Smith**, interim director/professor emeritus, Institute of Atmospheric Sciences, recently had an article accepted for publication. The article, "Comparison of estimators for parameters of gamma distributions with left-truncated samples," modeling raindrop size will be published in the *Journal of Applied Meteorology and Climatology*.

Dr. J. Forest Sawyer, assistant professor, Geology and Geological Engineering, was recently elected as the national vice president of the American Institute of Professional Geologists (AIPG) for the year 2011.

Dr. Keith W. Whites, professor and Steven P. Miller Chair, Electrical and Computer Engineering, has recently presented two conference papers: A. K. Amert, B. B. Glover, and K. W. Whites, "A large index of refraction artificial material composed of dumb-bell particles," *Proc. IEEE Antennas and Propagat. Soc. Int. Symp.*, Toronto, Canada, p. 203.3, July 11-17, 2010; and B. D. Braaten, D. E. Anagnostou, and K. W. Whites, "Mutual coupling between coax-fed rectangular microstrip antennas embedded in layered uniaxial anisotropic dielectrics," *Proc. IEEE Antennas and Propagat. Soc. Int. Symp.*, Toronto, Canada, p. 105.9, July 11-17, 2010.

In addition, Whites was also a session co-chair for Session 203 "Metamaterials and Meta-surfaces," *IEEE Antennas and Propagation Society International Symposium and CNC/USNC/URSI National Radio Science Meeting*, Toronto, Canada, July 11-17, 2010.

Dr. Ziliang Zong, assistant professor, Math and Computer Science, and **Dr. Travis Kowalski**, associate professor, Math and Computer Science, were recently awarded a small local grant that seeks to incorporate the use of mobile computing devices to enhance the learning environment. Their grant, "M-Learning at M," seeks to incorporate the use of a mobile device web platform that can be used to provide learning materials on mobile devices. A student survey indicated that podcasts and other materials delivered on a mobile device would be of high interest. There are numerous challenges that face the successful use of mobile devices in higher education: small screens, specialized operating systems, and the serious lack of developed content are just a few examples of the obstacles that our researchers will face. This project will seek to develop a pilot program that can be used for demonstration of the concept along with testing some ideas for further development.

Uzunlar is Mickelson Professor



Nuri Uzunlar

Dr. Nuri Uzunlar (Ph.D. Geol 93), associate professor, Department of Geology and Geological Engineering, and director, Black Hills Natural Sciences Field Station, is entering his second year as the John C. Mickelson Professor of Geology.

The Mickelson Professorship was established in 1984 by two of Dr. Mickelson's children, John C. Mickelson, Jr. (ME 73) and Barbara Jo Mickelson (CE 76), to honor their father. The Mickelson Professorship is to be used to assist the Department of Geology and the Department of Geological Engineering by supporting and attracting distinguished faculty members.

Mickelson joined the faculty of the South Dakota School of Mines and Technology in 1961 as an associate professor of geology and served as head of the Department of Geology and Geological Engineering from 1968 until

his retirement in 1979. He taught and counseled his students for 24 years, giving freely of his time, and he was a dedicated member of the faculty. Mickelson passed away on March 27, 2004.

Uzunlar was born in Trabzon, Turkey, and received a bachelor's degree in geology and geological engineering from Black Sea Technical University and a doctorate in geology from the School of Mines. He has academic experience in teaching as a field camp coordinator, instructor, lecturer, and research scientist, and he has authored and co-authored numerous publications and presentations. Uzunlar has 20 years of international exploration experience and 12 years of project and company management experience including forming new companies and setting up field offices in more than 10 countries. He also has extensive knowledge on Homestake deposit and is a co-PI for NSF funded project titled "Coupled Thermal-Hydrological-Mechanical-Chemical-Biological Experimental Facility at DUSEL Homestake."

School of Mines Looks Ahead to NCAA Division II

After successful application for candidacy to the National Collegiate Athletic Association (NCAA), the South Dakota School of Mines and Technology will cease participation in the Dakota Athletic Conference effective July 1, 2011.

Presidents, athletic directors, and coaches of DAC institutions met earlier this year to determine the future of the conference after the School of Mines and Black Hills State University announced their NCAA D-II formal candidacy acceptance. They voted to move the DAC to a five-team conference with appropriate scheduling effective July 1, 2011, advancing Mines' timeframe by one full year.

"South Dakota School of Mines will aggressively seek to locate NCAA Div. II institutions as well as some other institutions to complete our schedules for the 2011-2012 seasons," said Hardrocker Athletics Director Dick Kaiser said. "South Dakota School of Mines is poised to move forward even more determined than ever to make the transition to NCAA Div. II as smooth as possible."

"This is a time of transition for the DAC. The NAIA is a strong association with nearly 300 member colleges and universities, and the five institutions have declared their commitment to the NAIA and look forward to beginning the new schedule," said Dr. Steve

Shirley, president of Valley City State University and the current president of the DAC Board of Directors. "We wish BHSU and (SD Mines) well in their future paths, but are also excited to explore a new direction with new possibilities as we focus on the terrific competition and long-term, historic rivalries among our five member schools."

The DAC and its member institutions are affiliated with the National Association of Intercollegiate Athletics (NAIA). Dakota State University (SD), Dickinson State University, Jamestown College, Mayville State University, and Valley City State University are the five member institutions who will begin with the new scheduling effective in fall 2011. Coaches and athletic directors will begin the process of planning for the schedules under the new format immediately.

"I want to wish the DAC conference institutions well in their petition to the NAIA to gain championship access with just the five remaining teams," Kaiser said. "Additionally I hope the DAC has success in their attempts to find additional teams within this region that could be potential league members. The conference has been an NAIA mainstay within this region for an extremely long time and I hope they succeed in all their endeavors."

Alumni Inducted into Hardrock Hall of Fame

The Hardrock Club recently inducted five individuals and one team into the Hardrocker Hall of Fame. With the addition of the 2010 inductees, the Hall of Fame has honored 56 individuals and 7 teams since it was formed in 2004. The induction ceremonies were held during M-Week in the Christensen Hall of Fame.

Football: Mark Baracani (MetE 87): Baracani is one of the great linebackers in Hardrocker football history. He was an NAIA Honorable mention All-American and SDIC All-Conference and NAIA All-District selection. He led the team in tackles his junior year with 121 and in interceptions with 4. During his senior year, Baracani recorded a team-leading 137 tackles.

Women's basketball: Erin Cihak (IE 94): Cihak was an outstanding guard for the Lady Hardrocker teams in the early 90s and was selected SDIC Conference MVP in her senior year. Cihak is 20th on the all-time scoring list with 1,011 points.

Men's basketball: Jeff Pfalzgraf (ChemE 85): Pfalzgraf was part of one of the greatest eras in Hardrocker basketball history that began during his junior year in 1983. He was

an SDIC All-conference and NAIA All-District performer, and he finished his career as the fifth all-time scorer with 1,721 points.

Volleyball: Lorie (Schleusener) Whiting (MetE 89): Lorie was a key member of four consecutive SDIC Championship volleyball teams from 1985 to 1989. She owns the single season record for assisted blocks with 107 and is in the top ten for four other single season marks.

Track & CC: Dave Roberts (EE 90): Roberts holds eight individual track championships set at conference or district meets and holds school records for the 110 HH and the 400 M IH. Roberts was also selected as an NAIA All-American in the high hurdles in 1990 and was a two-time NAIA Academic All-American.

Team: 1984-1988 Volleyball teams: These teams, coached by Barb Felderman, each captured a SDIC Conference Championship. The teams posted an incredible 51-1 record in conference play during that span, and the team record for wins of 40 was set during the 1985 and 1986 seasons.

S D S M & T



FOUNDATION

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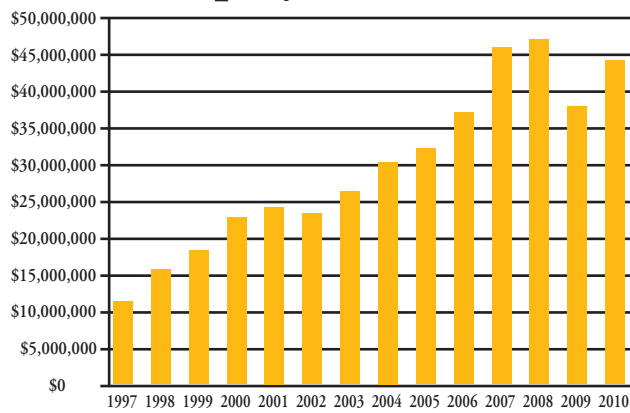
The Foundation Update shall be used as a forum to advise alumni and friends of important events occurring on campus and within the Foundation.

I extend thanks to the individuals who have contributed news reports to the Foundation Update and to the Rapid City Journal, our publisher.

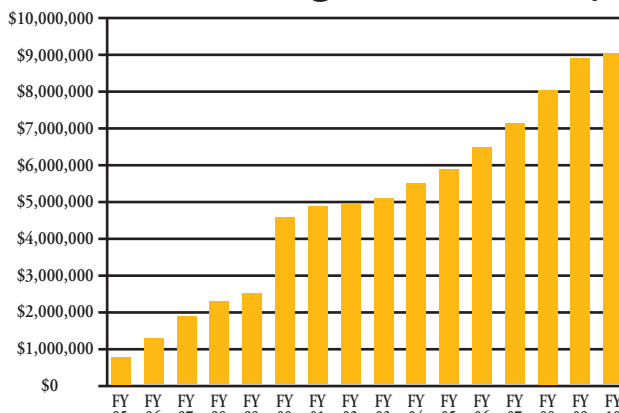
Sandy Carlson, Editor

2010 Annual Report

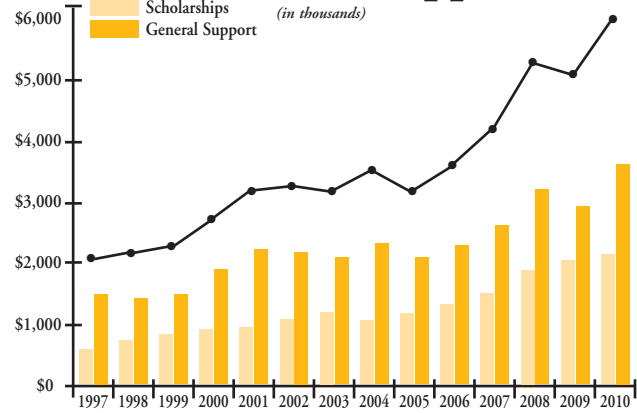
Equity Growth



Planned Giving Trust Activity



Institutional Support



LIFETIME GIVING SOCIETY

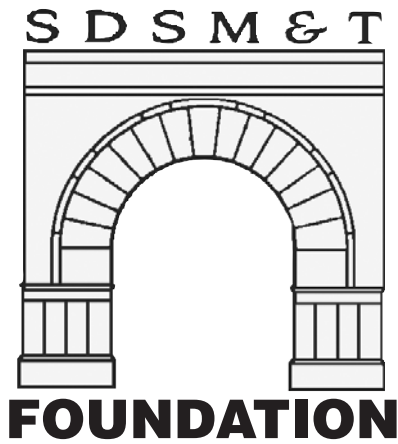
Membership to the Lifetime Giving Society is reserved to contributors who have given a gift (or several gifts) totaling \$10,000 or more in cash, securities, or gifts-in-kind. We also recognize those members of this Society who wish to remain anonymous.

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John T. (EE 42) & Betty Colgan
George (ME 56) & Nancy (EE 57) Dunham
Claire D. LeClaire (ChemE 33)
Elmer C. Mandrup (GenE 37)
Steven P. (EE 69) & Kathleen Miller
Joseph F. Nelson Estate
Larry V. (ME 72) & Linda Pearson
Homer (MetE 24) & Margaret Surbeck
John T. Vucurevich (HON 92)
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Jay A. (EE 56) & Betty Brink
Robert L. (EE 73) & Lien Chen
Willie (ME 81), Manny (ME 83), Anne (Ex 83), Cathy (IE 96) Chiang & their families
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D. Paul McGarvie
Eugene (EE 68) McPherson
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Sharon Chontos (ChemE 87)
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Matthew (GeoE 01) & LeAnn (Chem 00) Fechter
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N. Douglas (ChemE 82) & Susan Fluke
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Holly (CSC 94) & Todd Gagne
Paul F. Gnirk (MinE 59)
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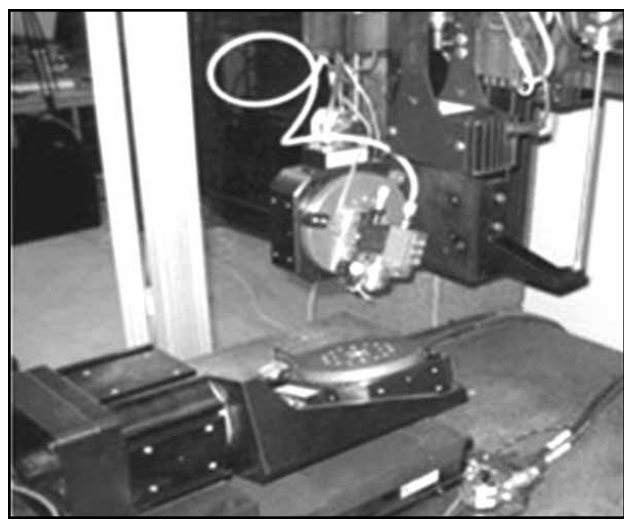
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Kalanovic's CST Provides Funding to School of Mines



VDK4000 6 Degree of Freedom Aerosol-Jet Application

For nearly 20 years, Dr. Vojislav Kalanovic has been an integral part of the Department of Mechanical Engineering at the South Dakota School of Mines & Technology, serving as professor, researcher, and department chair. But his commitment and his love of mechanical engineering and the School of Mines do not stop there. In addition to all of his teaching and research duties on campus, Kalanovic, with assistance from the Mechanical Engineering Department, simultaneously founded his company, Control Systems Technologies (CST) LLC, seven years ago. Through CST, he has translated his entrepreneurial efforts into a major source of support for the graduate program in the Mechanical Engineering Department.

Over the last half a year, CST has provided \$14,000 to the department to be used for graduate student support and program recruiting. Kalanovic's intention is to increase the funding to approximately \$35,000 per year. These funds arrive at a critical time as the newly formed mechanical engineering Ph.D. program is implemented.

For Kalanovic, the whole idea of providing an industrial outlet to the School of Mines is to create an additional way for funds to flow into the academic environment. "It took me nearly ten

years to establish such a mechanism, and it is finally becoming a reality," he said.

However, there is room for improvement. "Future companies that are to be formed from the School of Mines environment and with entrepreneurial ambitions in mind must always include the university as a partner and would not have an option of leaving the partnership with the university for a considerable amount of time especially when they become profitable," Kalanovic stated.

"By the same rationale, such companies would have to hire staff from South Dakota University system, use local resources, and not be allowed to leave the area even if the entities are eligible for a buy-out by another enterprise," he added. "With such an instrument in place, an entrepreneurial culture that leans on the academic environment for resources and inspiration (and vice-versa) can grow to the levels of large commercial benefits."

The mutual benefits of the collaboration between CST and the School of Mines go beyond simply the funds provided for the graduate program. CST has also allowed for a new level of student involvement in the classroom, a firsthand look at technology transfer, and the advancement of entrepreneurial educational efforts at the School of Mines.

"CST LLC is a pioneer in the School of Mines-industry collaborative effort since it has originated from our university environment and is reaching out to local industry as well as national and international customers," said Kalanovic. "This activity is closely aligned with the efforts of the Department of Mechanical Engineering and with the strategic initiatives of our institution as it directly contributes to the highest quality of education for our students."

"I hope that CST LLC will continue to serve as an inspiration for entrepreneurs at heart who uphold the interests of SDSM&T and who are willing to form a symbiosis between educational and industrial environments as they build the economy of our state," he added.

CST is a high-tech automation company that

employs two engineers, twelve local owners, and works with three external collaborative companies in two countries. It manufactures and markets Kalanovic's many inventions including the first-ever robotic jewelry application, a system that has earned him numerous awards and accolades. Among his latest inventions are VDK1000, a system that automates the polishing aspects of jewelry making; VDK2000 aircraft substructure drilling system; VDK3000 laser cladding and deposition system; VDK4000 aerosol-jet system; and VDK5000 ultrasound inspection system.

All of the existing solutions are based on a novel robotic concept, Flexible Robotic Environment (FRE®). "FRE is a robotic solution that combines mechanical and motor/drive components with proprietary hardware, software, and controls from CST," said Kalanovic. "The end result is a cost-effective, highly innovative, configurable, and interchangeable multi-degree-of-freedom (DOF), robotic solution package that can be applied in a multitude of applications, from high tech to industrial."

CST builds a robot around an application instead of having an application built around a robot. Once a customer defines their needs, CST, LLC builds a FRE system according to the customer's specific requests. "All in all, the FRE solution is always open-ended and enables a customer to build a robotic system according to their specific needs and subsequently use it with total ease and transparency," concluded Kalanovic.

Currently, CST, LLC is selling on a broad robotic market with offices and representatives in the United States, India, and Serbia. Customers include Mt. Rushmore Jewelry, Wal-Mart, Wright Patterson Air Force Base, Sandia National Laboratories, and Quad Cities Arsenal.

The next major market is a joint research project funded through a Bio-Medical Engineering group where a laser deposition VDK3000 is used to coat hip-prosthetic devices with materials that will increase their durability. VDK3000 will also soon be used in aircraft manufacturing industry.

Cheerleaders Back on Campus

It's been many years since Hardrocker fans have had a cheer squad to lead them in the familiar "Let's .. Go ... Rockers" cheer at a football or basketball game. At different points throughout the School of Mines' 125-year history, cheerleaders have been present at Hardrocker sporting events, and now, after an 18-year hiatus, they are back, and more determined than ever.

The squad regrouped this fall when Kelsey Koch, a junior chemistry major from Sioux Falls, noticed something was missing from Hardrocker sporting events. "I went to almost every home game my freshman and sophomore year for both football and basketball. It drove me crazy that there weren't more students out there supporting our athletes," stated Koch. "I figured I already cheer at the games, so why not have an organized sport that would encourage more people to feel the same kind of school spirit that I do?"

Koch's father, Dr. Michael Koch (MinE 80), was supportive of her efforts and provided a generous gift through the School of Mines Foundation in order to re-establish the Cheerleading Squad on campus.

Other students apparently agreed with Koch because with a little recruiting and word of mouth, the squad has quickly grown to 13 students, including 11 females and 2 males.

The cheer squad will be present at home football and basketball games calling out the crowd's favorite cheers along with some new ones. In addition to cheering, the squad does some dancing and a variety of stunts, and they are excited to

be cheering the Hardrocker teams on to victory at each matchup.

"We've been working hard to raise school spirit," said Rapid City interdisciplinary science freshman Caitie Muller. "We've been making signs to put up around the school promoting the games, and a couple hours before the game, we go 'dorm-storming' and make sure everyone is coming!"

The Cheerleading Squad has also garnered support from various alumni and community friends, including LuAnne Dirks (EX 74), who was herself a member of the Cheerleading Squad while she attended the School of Mines.

"I had fun doing it when I was on campus, and I hope these students have the same experience," said Dirks.

The squad has been well received by faculty, staff, and students on campus, and the crowd seems to be cheering louder than ever for their beloved Hardrockers.

"Seeing us perform, you would never in a million years guess we are a first-year team with little experience and only two months of practice under our belts," said Kanysa Bartsch, a sophomore mechanical engineering student from Lubbock, Texas.

In addition to practicing and cheering, the group has been engaged in fundraising activities to help support the squad. The group is now hoping for additional contributions for mats and other safety related materials to allow them to safely practice their stunts indoors.



Members of the 2010-2011 Cheerleading Squad



Members of the 1973-74 Cheerleading Squad

Alumni or friends who are interested in supporting the Cheerleading Squad can send contributions to the SDSM&T Foundation on line at <http://foundation.sdsmt.edu> or through postal mail to SDSM&T Foundation, 501 East Saint Joseph Street, Rapid City, SD 57701. Please indicate "Cheerleading" on gifts.

ESA Conducts Mongolian Traffic Study

In May, four students from the School of Mines traveled to Mongolia's capital city, Ulaanbaatar, to be part of a real-life, traffic-oriented research effort to gather require information for improving safety and traffic flow.

The students, Bridget McDougall, Owen Britton, Gary Smith, and Brady Wiesner, were accompanied by their technical advisor Dr. Joseph Fazio (associate professor, Civil and Environmental Engineering) and Engineers and Scientists Abroad (ESA) advisor Dr. M. R. Hansen (professor, Civil and Environmental Engineering).

Professor Tsevegjav Tsegmed who is the Chair of Vehicle and Erdenetuya (Tuya) Amagalan who lectures in the Department of Vehicle joined with English speaking students from the Mongolia University of Science and Technology (MUST) to serve as volunteers alongside the ESA group.

In Ulaanbaatar, the students conducted research over four consecutive days. Included in their research were manual traffic counts at four midblock sites around the perimeter of the main

city square and camcorders that collected traffic data on all approaches at the four intersections including two mid-block intersections. Existing traffic signal timing was noted using timing devices. The free-flow speeds of various traffic modes (motorized two-wheelers, cars, micro-buses, large buses, and heavy vehicles) were measured using the moving vehicle method and with a Doppler device. To determine design vehicle dimensions, different vehicle types were measured for width, length, height, and wheelbase in the MUST parking lot, a truck yard, and a bus depot.

Prior to leaving Mongolia, a presentation was given to national Mongolian transportation authorities and future plans for the project were discussed. This fall a final representation of the current roadway operation will be modeled by students in VISSIM transportation software where multiple scenarios will be applied to the model and evaluated. Results, design recommendations, and conclusions will be prepared keeping in mind cost, efficiency, location, and practicality, and outcomes will be sent back to the proper

authorities in Mongolia.

While in Mongolia, the School of Mines group was also exposed to the rural culture and nomadic lifestyle of Mongolia with a week-long cross country excursion. After two days of desert traveling, the group visited ice caverns in the middle of the Gobi in addition to a very important geological site, Flaming Cliffs near Dalanzagad. The group also camped at a historic mountain containing ancient pictographs and visited Kharkhorin, the ancient and historic capital of Mongolia, where they were given a tour of a public Mongolian middle school by a Peace Corp volunteer who teaches English there.

"Major support for ESA is provided by School of Mines alumni, and we would like to say thank you," stated Brady Wiesner. "Having a cultural experience broadens knowledge and experiences and with help from donations, trips like these are possible."

Contributions to support ESA can be sent to the SDSM&T Foundation.

SDSM&T Foundation Around and About



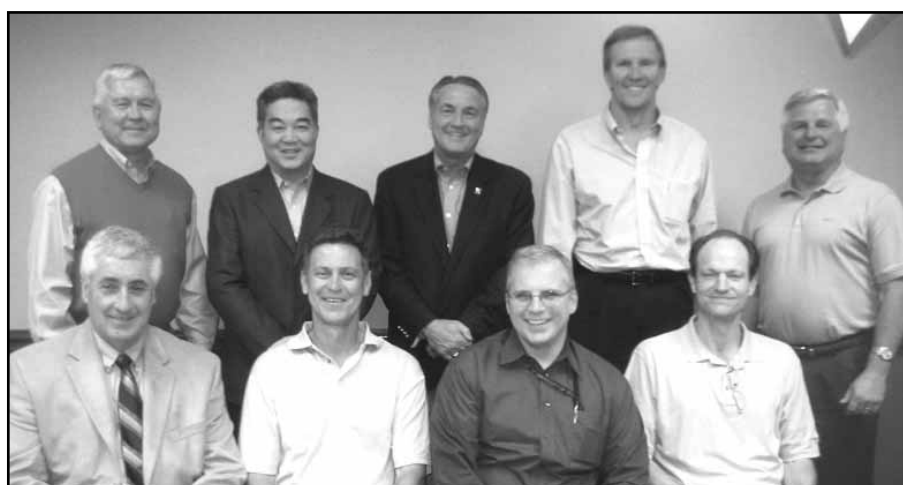
Saddlebrooke, Arizona: *Jim (ChemE 68) and Bev Neubarth, Dave Thomas (ChemE 73), Don Hamann (ME 71), Don (EE 68) and Marian Orton, and Tom Ranney (ME 58).*



Houston, Texas: *Rod Pappel (ME 77), John Mickelson (ME 73), Zane Huffman (MetE 89), President Wharton, Mark Stoebner (ChemE 69), Ron Jeitz (CE 69).*



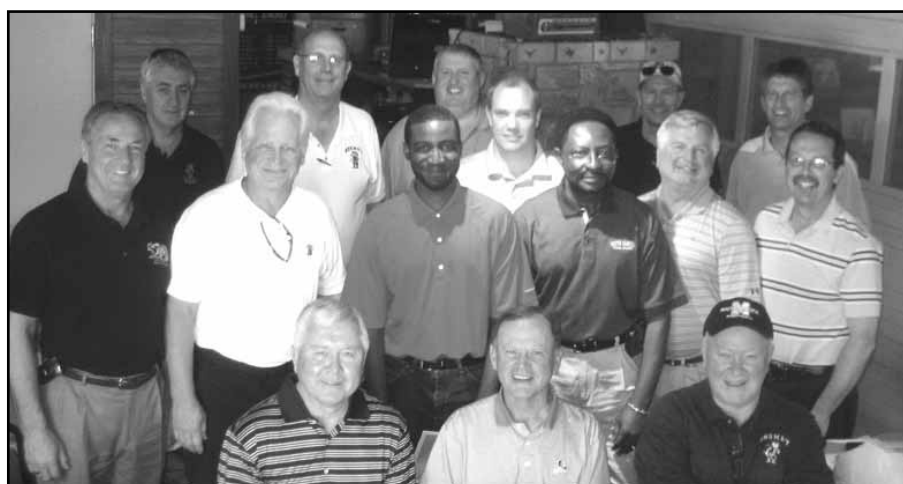
Salt Lake City, Utah: *Baron Fidler (MinE 93), Adam Lungren (ME 08), Nick Rogakis (CE 07), and Jesse Suek (CEng 04).*



Houston, Texas: *Front Row: Dick Kaiser, Paul Davis (ChemE 78), Robert Cunningham (ChemE 02), Russ Schrooten (ME 78). Back Row: Ron Jeitz (CE 69), Willie Chiang (ME 81), President Wharton, Jeff Hoble (GeolE 78), and Rod Pappel (ME 77).*



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Walnut Creek, California: *Dave Bradley (EE 80), Greg Burg (CE 80), and Dwight Gemar (ChemE 80).*



Houston, Texas: *Dick Kaiser, Ralph Wagner (CE 75), Becky Miesen, Ron Jeitz (CE 69), John Heinemann (EE 67), Dan Jackson (MetE 76), Dave Jackson (ME 70), Zane Huffman (MetE 89), Bob Miesen (CE 61), Ken Juran (ME 75), and Rod Pappel (ME 77).*



Rochester, Minnesota: *Mike (ME 65) and Shirley Doyle, Glenn (EE 82) and Connie Leckband, Anthony Connor (CEng 01), and Grace, Ryan (CEng 02), Luke, and Rochelle Inches.*

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Elizabeth A. Rall
Toby R. Sandal
Dean D. Schauer
Bryan J. Schumacher
Johnette C. Shockley
Christopher R. Smith
Michelle M. Vondenkamp
Dietrich H. Whitesides
Kelly J. Whiting
Lorie J. Whiting

Class of 1990
Denise A. Berendes
Paul W. Cameron
William M. Campbell
Ma Cheng
Xuan T. Diep-Campbell
Scott N. Durgin *
Kory V. Gill
Bradley A. Heilman
Kent R. Hendricks
Sheila M. Iverson
Donna V. Kliche
Kevin F. Kolda
Stephen E. Lang
William A. Lipko
Yan Lu
Todd R. Person *
John F. Sawyer
Jill L. Schauer
Jayson B. Schock
Joyce E. Williamson
Ian J. Wilson

Class of 1991
William A. Chidester
Bryce B. Chord
Wendy J. Craig
Ann M. Fox
Brian T. Fox *
Randy T. Gossard
Karen E. Hall
Richard Hardegger
Julie C. Heinrich
Randy W. Kinney
Alan L. Lulf
Timothy D. Miller
Kristie K. Nedved
Margaret A. Parmenter *
Trent A. Pulis

Class of 1992
David A. Bender
Patrick N. Bonebright
Orville L. Bultsma
Jenelle L. Fode
Robert S. Fousek
Jeffrey R. French
Mark H. Ingalls
Bradley K. Johnson
Scott H. Knappe
Shane W. Kraska
Timothy S. Ling
Susan M. Moore
Jeffrey S. Nab
Ty D. Olson
Scott C. Oveson
Gail L. Schmidt
Marcus W. Schock
Craig J. Smith
Darren E. Titze
Sheila R. Twombly
John F. Veit
Michael S. Vernon
Greg T. Warder
Thomas J. Wilker
Ronnie D. Williams

Class of 1993
Darin D. Baumberger
David A. Dailey

Lisa M. Durgin *
Baron W. Fidler
Andrea M. Griese
Darren L. Griese
Jamey L. Iedema
Shashi N. Kanth
Stephanie M. Law *
Owen D. Lindblom
Todd A. Mescher
Jeffrey G. Oligmueller
Troy L. Person
Anthony M. Rea
Fredrik Schaubert
Nuri Uzunlar *
Kermit A. Velder *
Brian D. Zavesky
James S. Zwiack

Class of 1994
Paul R. Adam
Staci L. Bogue-Buchholz
Patrick S. Carver
Erik D. Eck
Chad W. Ericsson
Steven R. Greff
DeWayne M. Hibbert
Brian S. Jenner
Derek S. Knapp
Dominic M. Kotab
David M. Muck
Robert D. Paulsen
Kathryn A. Pauly
James C. Peterson
Gell L. Pittman
Scott C. Reisenauer
Deborah L. Sloat
Andrea M. Strawn
Mark J. Svitak
Jody L. Titze
Paul A. Winkler

Class of 1995
Stacie L. Barber *
Jeremy E. Bertsch
Robert R. Christensen *
Christopher K. Collings
Scott L. Frerichs
Paige M. Hilton
John H. Huntley
Gregory G. Kondrasuk
Troy A. Larsen
William C. Miller
Jeffrey P. Nielson
Heather S. Nikolic
Angela M. Oberlander
Manuel A. Penalosa
Avery J. Schick
Shannon L. Schlomer
Chris J. Scolton
Heather Z. Shoup *
Mark D. Stiver

Class of 1996
Wayne J. Baumberger *
Elizabeth M. Christensen *
Lisa A. Christianson *
Kris Cleveland
Corey L. Haeder
Tamara M. Klein
Timothy L. Larson
Randall A. Long
Eric D. Lorenz
Matthew D. Pearson
Keith J. Plavec
Damien E. Simkins
Hongwei Sun
Bing Wang
Richard L. Wass
Joshua M. Week
James B. White

Class of 1997
Eric R. Broughton
Jason R. Erickson
Jason B. Fink
David M. Fitzgerald
Chad W. Gortmaker
Thomas J. Jackson
Jeremy D. Johannesen
Jason D. Jorgenson
Christopher A. Kinney
Christopher M. Klein
Adam J. Kuper
Jason A. Osborn
Steven R. Palmer
Rebecca L. Pope
Joshua C. Rickenbach
Jay M. Van Hove
Shawn G. Wilczynski
Cheyenne M. Winkler
Todd J. Youngman

Class of 1998
Nathan J. Chupka
Troy R. Crook
Richard Dahl
Andrew R. Durbin
Daniel J. Janni *
Lisa A. Jorgenson
Mary Ann Kenner *
Keith L. Klug
Rita K. Krebs
John C. Lofberg
Andrew D. Miller
Christopher E. Misterek
Jeremy A. Ochs
Ardell L. Ochsner
Brook A. Plavec
Lance A. Roberts
Tricia E. Schwaller **
Dawn D. Sorenson *
John R. VanBeek
Christopher J. Wortmann
Yongchen Yang

Class of 1999
Jason T. Ash
Elaine E. Baker *
Dale E. Brech *
Andrea J. Brickey
Christopher A. Brickey
Theodore P. Geelhart
Michael S. Heinrich
Brandon M. Hieb
Gregory J. Hintgen *
Amy M. Kozel *
Kirby R. Kozel *
Roger J. Kurtenbach
Tricia L. Liggert
Richard A. Marsh
Nicholas N. Phillips
Jeryllyn C. Roberts

Jay C. Sklenar
Ann M. Triaphagen

Class of 2000
Heidi K. Anderson
Jedediah F. Brich
LeAnn M. Fechter *
Sarah K. Kleinschmit
Gretchen T. Lupher
Kevin J. Millslagle
Todd M. Morrison
Jennifer L. Nelson Kemp
Brett M. Odenbach
Michael S. Rice
Julie L. Richter
Naveen K. Rojanala *
Benjamin A. Short
Reed L. Ulvestad
Donald J. Watzel

Class of 2001
Rodger D. Arnold
Bert W. Cantu
Michael B. Connelly
Matthew S. Fechter *
Herbert R. Kistler
Kristin A. Molstad
Derrick M. Pates
Kyle N. Smith
Eric D. Swanberg
Ryan J. Thompson
Jason J. Thuringer *
Jenny M. Vavra

Class of 2002
Kimberly E. Brinson
Angela A. Bucholz
Robert J. Cunningham
Melvin E. Kemp
Anne-Marie E. Lamont
Jason R. Lamont
Brandon L. Miller *
Austin N. Salonen
Patrick D. Schwickerath
Tim J. Vavra

Class of 2003
John L. Abrams
Aaron C. Bucholz
Tara R. Cunningham
Brooks D. Henderson
Mark J. Rieger

Class of 2004
Jennifer A. Bernard
Ross M. Gjerde
Michael J. Henrickson
Jonathan A. Lefor
Cory D. Lillesve
Lindsay L. Lipps
Robert W. Oliver
Matthew J. Pfister
Rajashkhar D. Rapolu
Joshua D. Rossow
Wesley G. Roth
Eric W. Sauer
Jesse J. Suek
Tom A. Warner *

Class of 2005
Lucas C. Beshara
Cori L. Burnett
David R. Burnett
Nicholas J. Case
Benjamin D. Cutler
Jeremy D. Edgar
Bradley G. Eisenbeiz
Jared S. Fenton
Brandon J. Hinz
Chad A. Kirby
Fred A. Koehler
Jennifer L. Krause
Trevor W. Krause
Christine R. Kruse
David A. Lowe
Carson L. Merkwon
Joshua R. Mitzel
Jeffery F. Odell
Mitchell A. Olson
Stacie J. Olson
Thomas M. Severson

Class of 2006
Brian D. Amick
Nathan E. Barnes
Lisa J. Bell
Elizabeth C. Burg
David A. Cousins
Christopher R. Gerken
Robert J. Hodgson
Venkatabhenu Lellapalli
Lindsey L. Marshall
Travis K. Whitehead

Class of 2007
Adam E. Bauerle
Christian J. Calvert
Megan A. Dangel
Christopher L. Franks
Ronald A. Green
Jennifer Johnson
Wade T. Johnson
Seth R. Kruse
Nathan A. Odenbach
Nicholas W. Rogakis
Eric M. Voorhees
Troy L. Wormsbecker

Class of 2008
Karl L. Barfuss
Kelly R. Hansen
Carly L. Keeney
Donald E. Lampert
Alexis J. Morlok
Kristine R. Murphy
Steven L. Schnabel
Wesley A. Snaza
Corinne M. Vottero

Class of 2009
Matthew E. Fisher
Melanie J. Jeppesen
Brandon L. Kadras
Amery D. Kuhl
Kendra R. Kungu
Lisa K. Robinson *
Adam L. Schulz
Joseph L. Williams

Class of 2010
Owen A. Britton

CORPORATION, BUSINESS, AND ORGANIZATION GIVING

21st Century Equipment
3M Brookings Plant
3M Foundation
A Moment in Time Photograph
A2L Technologies, Inc.
AAA South Dakota
Abbott Laboratories Fund
Accenture Foundation, Inc.
Action Mechanical, Inc.
Aera Energy
Agiltron, Inc.
Agrum U.S. Inc.
AISC Education Foundation
Al Cornella Refrigeration Service, Inc.
Albemarle Corporation
ALCOA Foundation
Alpha Natural Resources, Inc.
Alpha Services
American Indian Science & Engineering Society
American Public Works Association, Black Hills Chapter
American Society of Mechanical Engineers - Nebraska Section
The American Society of Mechanical Engineers
AMGEN Foundation
Anderson Mason Dale Architects
Applebee's Neighborhood Grill & Bar
ARAMARK Corporation
ArcelorMittal Minorca Mine Inc.
Archer Daniels Midland Foundation
Arrowhead Country Club
ASME International
Association Management
Austin Powder Company
Automatic Data Processing, Inc.
Baker Concrete Construction, Inc.
Ball Corporation
Barr Engineering Company
Barrick Gold of North America, Inc.
Bechtel Foundation
Berenise & Sons Paint Company, Inc.
BHP Billiton
Bitter Creek Pipelines, LLC
Black Hills Astronomical Society
Black Hills Chapter-ISEE
Black Hills Community Bank
Black Hills Corporation
Black Hills Corporation Foundation
Black Hills Enological Society-Cellar I
Black Hills Federal Credit Union
Black Hills Nanosystems Corporation
Black Hills Power
Black Hills Regional Eye Institute
Black Hills Runners Club
Black Hills Vision
Black Hills Volleyball Club
Blue Mountain Real Estate
Boeing Company
BP Amoco
BP Fabric of America Fund
The Brass Family Foundation
Brass Rail
Brink Constructors, Inc.
Brosz Engineering, Inc.
Brunner & Lay
Buffalo Wild Wings Grill & Bar
Builders Supply Company

Burns & McDonnell
Caelum Research Corporation
Canyon Lake Resort
Cargill, Incorporated
CarWil, LLC
Caterpillar Inc.
The Charles J. Strosacker Foundation
Chevron
Chevron Phillips Chemical Company, LP
City of Rapid City
Clarkson Family Foundation
The Cliffs Foundation
Cloud Peak Energy
Coca Cola Bottling Company
Coleman Black Hills Gold
Complete Cryogenic Services, Inc.
ConAgra Foods
ConocoPhillips
Constellation Energy
Cooper Industries Foundation
Cooper Tire and Rubber
Cozad Foundation Fund
Crazy Horse Memorial
Crete Concrete Products West, Inc.
Culver's of Rapid City
Cytec Fiberite, Inc.
Dakota Indian Foundation
Dakota Pump, Inc.
Dave Schmidt Insurance Agency, Inc.
Dean Kurtz Construction Company
Dell Materials Company
Delta Kappa Gamma Society
DeMerseman Jensen Christianson Stanton & Huffman, LLP
Dennis F. Meyer, Inc.
Department of Natural Resources
Destination Rapid City
Door Security Products, Inc.
Double D Builders, Inc.
Dow Chemical USA
Dow Corning
Dream Design International, Inc.
Duhamel Broadcast Enterprises
E. Lawrence Brevik Foundation
Eagle Sales of the Black Hills
Earth Chem Inc.
EchoStar Technologies, LLC
Economic Development Corporation
Edmonds Energy Corporation
El Paso Corporation
Elks Golf Course
Elks Lodge #1187
Elks Theatre
Emerson Electric Company
The Energy Enhancement Group
Entergy Corporation
Event Analysis Group, LLC
ExxonMobil Foundation
Firehouse Brewing Company
First American Title Company
First Gold Hotel and Gaming
First Interstate BancSystem Foundation
First Interstate Bank
Fluorochrome, LLC
FM Global Foundation
FMC Foundation
FMC Good Government Program
Fountain Springs Golf Course
The Frank M. & Gertrude R. Doyle Foundation, Inc.

Freeport-McMoRan Copper & Gold Foundation
Freese Family Charitable Trust
Friction Stir Link, Inc.
Ft. Hays Chuckwagon Supper & Western Music Show, Inc.
General Atomics
General Electric Foundation
Glenn C. Barber & Assoc., Inc.
Golden West Technologies, Inc.
The Golf Club at Red Rock
Gordon Ingwerson School of Mines & Technology Scholarship of the Sioux Falls Area Community Foundation
Gordon A. Larson Foundation, Inc.
Graco Foundation
Graffiti's Car Wash & Express Detail
Granite Construction, Inc.
Gunderson, Palmer, Nelson & Ashmore, LLP
Gustafson Builders
Halberstadt's Men's Clothiers
Hardrock Marketing LLC
Hart Ranch Golf Course
Hormel Foods Corporation
Houghton Mifflin Company
IBM Corporation
Illinois Tool Works Foundation
Innovest Portfolio Solutions LLC
Intel Foundation
Intergalactic Marketing, Inc.
The Ivanhoe Foundation
J & J Hearing Aid Service
J. Scull Construction Service, Inc.
John Deere Foundation
John T. Vucurevich Foundation
Johnson & Johnson Office of Corporate Contributions
Johnson Controls Foundation
Johnson Controls, Inc.
Johnson Environmental Concepts
Jolly Lane Greenhouse, Inc.
Kadmas, Lee & Jackson, Inc.
Ketel Thorstenson, LLP
Kiewit Mining Group, Inc.
Kiewit Underground
Kiewit Western Company
KL Energy Corporation
Knology of the Black Hills
Kolberg-Pioneer, Inc.
Komatsu America Corporation
L & L Insulation
L-3 Communications
Larry's Family Foods
Larson Foundation
Lynn Jackson Shultz & Lebrun PC
MAC Construction Company, Inc.
Macro International Inc.
Malone Engineering, Inc.
MAPTEK
Marathon Oil Foundation, Inc.
Matrix Consulting Group
McKie Automotive Group
MDU Resources Foundation
Meadowbrook Golf Course
Medtronic Foundation
Meixler Investment Management, Ltd.
Merck & Company, Inc.
Michael's Mens Wear

Michigan Tech
Microsoft Corporation
MidAmerican Energy Foundation
Midland National Individual Matching Gift Program
Mines Bookstore
Monsanto Fund
Moriva
Nash Finch/Family Thrift Center
National Instruments
National Relief Charities
NAWIC-Chapter 269
Nelson Brothers Mining Services, LLC
Nelson's Oil and Gas Inc.
New Rushmore Radio, Inc.
Newmont Mining Corporation
NIKE
Noble Energy
Northeast Utilities Service Company
Northern Plains Chapter/SEE
Northrop Corporation
Novartis Corporation
NRG Energy, Inc.
Nucor Corporation
Nyquist Convenience Stores
Occidental Petroleum Foundation, Inc.
Office of the Board of Commissioners
On The Border
Oracle Corporation
Orica USA Inc.
P&H Mining Equipment
Peabody Energy Corporation
Pella Rolscreen Foundation
Pete Lien & Sons, Inc.
Pfizer, Inc.
PG&E Corporation Foundation
Piedmont Construction Company
Pioneer Community Investment
Pizza Ranch
POET
Powder River Coal Company
Precast/Prestressed Concrete Institute
Procter & Gamble
Radiology Associates Prof. LLC
Rapid City Economic Development Foundation
Rapid City Fine Arts Council, Inc.
Rapid City Journal
Rapid City Regional Hospital
Rapid Precious Metals, Inc.
Rapid Valley Volunteer Fire Department Inc.
Raytheon Company
RCS Construction, Inc.
RE/SPEC, Inc.
Ring Container Technologies
Rockwell Collins
Rocky Mountain Coal Mining Institute
Rosenbaum's Signs
RPM & Associates, Inc.
RPM Solutions, Inc.
Saint-Gobain Corporation
Science Applications International Corporation
SD Board of Regents
SD Electrical Commission
SD Engineering Society
SD Engineering Society-Black Hills Chapter
SD Well Drillers Association
SDSM&T Alumni Association

SDSM&T Residence Life
Shakopee Mdewakanton Sioux (Dakota) Community
Shell Oil Company Foundation
Silverado Gaming Establishment & Restaurant
Sioux Falls Area Alumni
Smith & Nephew, Inc.
The Smith Ramsey Foundation
Society for Mining, Metallurgy & Exploration, Inc.
Society of Economic Geologists Foundation, Inc.
South Dakota Discovery Center & Aquarium
South Dakota Engineering Society
South Dakota Science & Technology Authority
South Dakota Society DAR
South Dakota State University Foundation
South Dakota Water & Wastewater Association
Southwest Gas Foundation
Spearfish Canyon Country Club
SPX Foundation
Stanley J. Johnsen Concrete
State Farm Companies Foundation
Structural Integrity Associates, Inc.
Sun Microsystems Foundation
Super-Holdings, Inc.
Sykora Construction
SymCom, Inc.
T&R Service Company
Taggart, LLC
TCF Foundation
Tellabs
Tennant Foundation
Terra Ferma Development, Inc.
Tesoro Petroleum Corporation
Texas Instruments Foundation
Textron, Inc.
The Windsor Gardener
TiNi Alloy Company
Trane
Tranco Inc
TSP
Twin Oak Farm
U.S. Bank
United Corporation
United States Tennis Association
Valley View Land Company, LLC
Van Der Werff Implement, Inc.
Wells Fargo Financial Compliance Management Services
Wells Fargo Foundation
West Central Electric
West Central Engineering Services
West Plains Engineering
West River Foundation
Western Dakota Gem & Mineral Society
Western Dakota Insurers, Inc.
Wharf Resources
Williams Community Relations
Women of the Moose
Wyodak Resources Development
Wysc Associates, Inc.
XTO Energy, Inc.
Zonta Club of the Black Hills

FRIENDS GIVING

Founder/Diamond - \$10,000 and more
Jean Daniels
Jim & Kathy Fawcett
Gary & Jane Fick
Elizabeth Griebel
Marilyn J. Mohrman
Cindy L. Van Dover
Robert Wharton & Carolyn Fassi Wharton
Thomas & Edra Wheelock
Barbara Zell

Platinum Club - \$5,000 and more
Edward M. Corwin
Richard & Christine Everett
Dawn Flittie
Richard & Nancy Gowen
Daniel & Joan Krikac
Don & Jeannette Oliver
Harold & Laura Orville
Paul L. Smith
Maureen C. Wilson

Gold Club - \$1,000 and more
Suzi Aadland
Sanna & Ron Asmussen
D'Ann Barker
William Brown
Sandra & Scott Carlson
John F. Corkill
Harold & Anne Corwin
Jane & Marshall Crouch
Arletta Dailey
J. P. Duniphan
Jack First
Harvey R. Fraser, Jr.
Sherie Goppert-Keele
Tim & Marilyn Henderson
Cathleen Hinrichs
Stanley & Carol Howard
Duane & Royia Hrcir
Harvey & Cynthia Jewett
Anne Johnson
Jennifer N. Karlin
Barbara Landguth
Mary Langbehn
Larry & Teresa Longseth
Richard & Debra MacDonald
Pat & Tom Mahon
Dorothy M. Malde
Eleanore Moe
Thomas & Nancy Oliver
Richard & Lavon Pendleton
Minnie Quarnberg
Alan & Lorinda Ravo
Cleo Reed
Elsie Rogge
Debra & Peter Ruehlman
Samuel Smith
Julie & Jim Smoragiewicz
James & Esther Swan
Karen L. Whitehead

Silver Club - \$500 and more
Andrew A. Ainslie
Patricia M. Andersen
Sangchul & Sookie Bang
Robert Corey
Andrew Detwiler
Daniel F. Dolan
Lyle & Dorothy Feisel
Pat Fox
Kelly & Leslie Freed
Jason & Anne Henry
Robert Hrabe
Marie K. Huwe
Sion T. Johnson
Arthur A. Lampert
Josephine M. Lee
George & Beverly Locke
John & Tamara Luchini
David & Laura Martin
Matthew & Chris McCormick
Ryan J. Messick
Loreli M. Reuter
Melvin & Isa Riley
Thomas R. Rudebusch
Guy & Judy Shobe
John & Jo Ann Sterner
Lana Thom
L. Michael & Darleen Tysdal
Michael J. Van Der Werff
Mitchell Vander Vorst
Pat Wheaton
Ronald White

Bronze Club - \$250 and more
Arthur & Joanne Alleger
Kathryn & Lee Alley
Kathy Antonen
Reuben & Marlowe Bareis
James & Heather Bashus
Theresa R. Bell
Pat A. Beu
Thomas & Linda Bjustrom
Gregory & Vickie Blankenship

Alfred R. Boysen
Robert & Brenda Brewer
Richard Brich
Tony & Diane Brill
Karen Brinker
Keith & April Carlson
Curtis & Vickie Cartwright
Anna Chavira
Cindy Davies
Bill & Billy Davis
Sharon Dominick
David & Joan Durand
Barbara Felderman
Sandra R. Fischer
Michael Foygel & Monna Portnoy
George W. Gladfelter
James & Lisa Grapentine
Ted & Bonnie Hanson
Gary & Barbara Hewett
Kerwin & Julie Hoellein
Dean H. Jensen
Kevin & Mary Jensen
Brian Kemnitz
Carter & Colleen Kerk
Richard & Trudy Kuske
Gene & Pat Lebrun
Marjorie M. Marken
Sande/De Elda McPherson
Joseph & Barbara Medina
Robert & Donna Meneley
Larry & Dennise Moheit
Wayne T. Munson
Richard & Paulette Nankivel
Eric & Barbara Oberdorfer
Valerie & Shane Olney
Andre Petukhov
Maribeth H. Price
Earl Prichard
Jan Puszynski
R. J. Roberts
Dustin K. Rougeau
Robert V. & Donna Rudebusch
Dale & Luanne Russell
Darrell & Karla Sawyer
Fred E. Schafer
Richard & Elaine Schleusener
James W. Sears
Richard Siekman
Dean & Norma Sime
Steven & Michele Smith
Kurt Solay
Steve & Marcia Stahly
Mary Stein
Coral-Etta Stevens
Bruce D. Struckman
Andrea Surovek
Andy & Glorianne Ten Braak
Donald & Jo Ann Thomas
Richard & Dana Towne
Jill Trimble
Frank Van Nuys
Donaline & Dale VanEvery
Lloyd & Doris Warner
John & Nahla Williamson

Prospector - Under \$250
Rolland & Laverna Ackelson
Randy & Teri Adler
Phil & Marsha Ahrenkiel
John & Sheryl Aldridge
Amanda J. Allcock
Denise & Gene Alms
Scott Amos
Jacqueline & Kenneth Anderson
Linda Anderson
Nancy L. Anderson-Smith
Elaine Bach
Frances M. Bachand
Dale Bachwich & Vera Kowal
George & Lois Ballard
John E. Barta
Tyler L. Barth
Curtis & Donna Bartsch
Kanya N. Bartsch
Michael & Kathleen Batchelder
Clarence & Judy Bauer
Ronald & Judy Beck
Irma Becker
Karen Becket
Larry & Cindy Begley
Joseph W. Bender
Vickie M. Bender
Kenneth & Kara Benjamin
Charles Benson
Marilyn Bergman
Jacqueline Berke
Judith Bickett
Breanna Bishop
Dorothy M. Blanton
Arlyn Boekelheide
Sandra K. Bonner
Alfred Borgen
James & Kimberly Bouman
Rob & Marie Bowden
Margaret Boyles

Karen Braman
Myron & Lana Brewer
Dennis & Jane Brewster
Carl L. Brezden
Monica Brich
Marietta Brodsky
Brenda & Kent Brown
Priscilla Brown
William & Mary Brown
William & Wanda Brown
Wayne & Phyllis Buresh
Scott R. Burgess
Laurence & Karen Byrum
Everett W. Call
Jim Callahan
John & Patricia Camp
George Campbell
Gerald M. Chaney
Judith M. Chilstrom
David Ching
Nancy Christensen
Dean & Carlene Clark
Mary Jane Cleary
Allen & Leanne Cook
Forest P. Cooper
Thomas D. Corcoran
Bert & Lydia Corwin
Kimberly A. Corzine
Bruce & Corinne Coyle
Bud Coyle
Connie Coyle
LouAnn Coyle
Mary Lou Coyle
Sharon Coyle
Dave & Kathleen Crabb
Coy & Shelly Crowsler
Marcie L. Cutler
Howard & Cathleen Dahlgren
Wendy Dailey
Martin A. Darocha
Monica & Mark Darrow
Reta & Richard Davies
Irving & Jeanne Dennis
Jane D. Denny
John & Colleen Denny
Lisa & Vandal DeVries
Norma D. Diede
Phyllis S. Dixon
Phillip & Janet Dowlin
Joan M. Ebert
Linda & John Embrock
Mark G. Erbe
Lorraine G. Erickson
Mark & Karen Failingler
Mary J. Farrington
Joseph Fazio
Nancy Feiler
Damon Fick
Charles & Trula Fields
Joseph & Kathleen Fischbach
Karri A. Fischer
Randy & Rebecca Fisher
Hao Fong
Ian Foster
Harvey R. Fraser
Steve & Cindy Frey
Mark & Celeste Gageby
Karina J. Garber
Larry & Barbara Garber
Sandra Garber
Graham & Kacey Garner
Wayne Geisen & Kristen Keith
Robert R. Giddens
Alton & Betty Giffin
Patrick C. Gilcrease
Gary Glenn
Thomas & Annette Goltz
Sid & Diane Goss
Holly M. Granillo
Franklin & Marilyn Guthals
Jessie M. Guthals
Ellen Haffner
Philip & Vicki Hahn
Scott Hall
Alberta Hand
Kenneth & Phyllis Hanks
Lois A. Hanna
Vivian C. Hansen
Dan Heglund
John & Carmen Heidler
Merle & Dorothy Heidler
Ronald & Sharon Heil
Richard Heiser
Gerald & Christine Helinek
Beth Hendricks
Thelma G. Hennager
Gene & Mary Hensley
Judith C. Hey
David Hillard
Zbigniew & Halina Hladysz
Charles & Katherine Holland
Bethany K. Holyoak
Rachel & Tim Howard
Cynthia Howell
Jason Hower

Michael & Cathleen Hudgens
Stella P. Hughes
Douglas & Holly Hunt
David & Marianne Ireland
Arden & Helen Isom
Charles & Michele Isom
Lawrence Jackson
Duane & Margaret Jagodzinske
Lance E. James
D. L. Jelden
Dennis & Linda Jelden
Kevin Jelden
Kolten P. Jelden
Carol Jensen
Sheila M. Jobs
Larry & Dolores Johnson
LaVonne Johnson
Connie C. Jung
Richard A. Kaiser
Robert & Jerilyn Kaiser
Raymond & Pat Kasiah
Michael Keegan
Charles & Patricia Keith
Kent & Emily Keith
Ashley Kemnitz
Donald & Elaine Kemnitz
Alan & Dorna Kightlinger
Marlin Kinzer
Tim & Myrna Kobes
Earl Koppelman
Beverly A. Krause
Christal & Gary Krein
Mary K. Kreuger
Connie E. Krosschell
Deborah K. Kuehn
Brittney LaDue
Dean & Jean LaDue
Kent & Janet LaDue
Margaret A. Ladue
Willard & Judy Lage
Bernadette Lambert
Merlyn J. Lambert
K. Diane Lane
Terry Lauritsen-Grant
Marilyn Lemaster
Jean H. Lesmeister
Adam & Camille Lewis
Judy Looney
Stanley Looney
Alan & Carol Lunzman
Loras & Janice Lux
Robert & Jody Lydic
Melvin & Kara Mader
Anna J. Malin
Cathene Malin
Charlene M. Malin
David B. Malin
Gina M. Martin
Tamara Martinez-Anderson & Clint Anderson
Tiffany J. Mastin-McCampbell
Frank Matejcik & Ruby Bedrejo-Matejcik
Jeffrey & Deanne Maxey
Verda M. Maxson
George & Olive McClintock
Jolie & Alan McCoy
Betty Ann McFall
Kathryn McIntosh
Edward McLaughlin & Doris Strom
James K. McReynolds
Jeanne B. Mehlhaf
Lola Meier
Todd J. Menkhaus
Justin P. Meyler
Roxanne Mickley
Erma F. Mikkelsen
Bonnie L. Miller
Karen N. Miller
Linn Miller
Edward & Susan Minerdt
Deborah Mitchell
Roy & Irma Monnot
Robert & Lois Ann Moore
James & Gwenda Morrison
Thomas Morrison
Ardeen & Danielle Muller
Barbara Mustard
Darnell & Ann Nelson
Scott D. Nelson
Janette Nilson
Frances & Donald Nisse
Gary Oakley
Bradley O'Brien
LeRoy & Peggy Olesen
Eric & Tami Olsen
Gordon & Ellen Olson
R. Darlene D. Olson
Scott & Wanda Orchard
Eleanor J. Osterman
John & Nancy Osteimer
Edmondson & Mary Overton
Marilyn Owen
Caroline Owens
Lemul & Marilyn Oyler
Nancy A. Parker

Colin J. Paterson
Linda Peltz
Manuel Penalosa
Daniel & Jean Peterit
David J. Peterson
Elizabeth J. Peterson
Laurie Peterson-Wright
Craig & Jane Pfeifle
Kirk & Doris Pierce
John & Julie Piva
Richard & Ellen Plocek
David & Patricia Ploof
Vivian L. Pooley
Dennis E. Popp
Melinda & David Poyourow
Darlene Price
Thomas & Janet Propson
Linda & Denny Rabe
Deborah Radomski
V. & Vijaya Ramakrishnan
Kurt & Donna Rausch
Rodney Rice
Amy M. Richardson
Beth Riley
Dennis & Kimberly Roberson
Peter Roberts
Marc J. Robinson
Will D. Robinson
Douglas & Jane Rogers
Richard D. Rogers
Ethel Rounds
Richard & Addie Roush
Gail G. Rowett
Joe & Elsie Rowland
Raye D. Rypkema
Rajesh Sani
Jerald R. Schafer
David & Eva Schmidt
Mark & Cynthia Schmidt
Michael & Janel Schmitz
Robert & Shirley Schneider
Kelli & Daniel Schultz
Catherine M. Schuster
Karen Schwab
Rosemary Schwaller
Cassie & Jerry Schweigerdt
Joel & Trudy Severson
Eileen P. Shaw
Sally Shelton
Rajesh & Anuradha Shende
Ron & Deborah Shepherd
Verne & Donna Sheppard
Greg & Renee Sherman
Susan Shirley
Lori Shrader
Kelli Shuman
Rod Skytland
Kent Smith
Mike & Kay Smith
Steve & K. M. Smith
Steve J. Smith
Walter & Kathryn Smith
Judy E. Sneller
Vladimir Sobolev
Ida Marie St. Pierre
Larry & Janice Stalder
Craig & Patrice Steinman
Susan Stelter
Maxine Stepina
Michael & Onita Stout
Pallaor & Shalini Sundareshwar
Thomas Sweeney
Brian & Pam Sykora
Mark & Ronda Talso
Donna Taubenheim
David Taylor
Glenny M. Tays
Donald & Christine Teets
Ron & Judy Teichmeier
Janis Terpenny
Charles Tolle
Allan S. Tomlinson
Lois Townsend
Minnie Van Noort
Connie VanBockern
Dara VanZuidam
Senthilkumar Veluswamy
Connie Waage
Daniel & Paula Warren
Hugh & Heidi Welsh
Dana L. West
Harry & Janis Wickard
Scott R. Wiley
Randy & Andrea Wilkinson
Hurley & Myrna Wilson
Cecelia Wittmayer
Chris Wright
Xia Xu
Myung Keun Yoon
Betty Yost
Lois A. Zens
Zhengtao Zhu
Jadwiga Ziolkowski

Caterpillar Announces New Engineering Design Center

Caterpillar Inc. has announced plans to open an engineering design center in Rapid City. The new facility, known as the Black Hills Engineering Design Center, will provide additional engineering support services for Caterpillar's U.S. operations and will complement the company's existing engineering design centers in Chennai, India, and Champaign, Illinois.

"The Black Hills Engineering Design Center is part of Caterpillar's Product Development and Global Technology Division's engineering services strategy to increase velocity and, ultimately, better serve our customers," said Caterpillar Vice President and Chief Technology Officer Tana Utley. "For years, Caterpillar has benefited from a long relationship with the South Dakota School of Mines and Technology."

"Caterpillar has long been one of our leading

partners and recognizes our heritage in preparing leaders in engineering and science," said School of Mines President Robert A. Wharton, Ph.D. "This is a great opportunity for both of us to work together and further one another's success as we make a difference both locally and globally."

Utley added, "In addition, South Dakota and Rapid City's diverse and talented local population are an excellent fit for our highly skilled global workforce who perform engineering around the clock."

"This truly is great news for South Dakota. Caterpillar is a world-class company with a long-standing history of success," said Governor Mike Rounds. "When I talk about attracting companies that create the kinds of jobs that will keep our young people here, this is exactly the type of company I mean."

The Black Hills Engineering Design Center will initially occupy 3,100 square feet of office space within the Black Hills Business Development Center located on the School of Mines campus. When staffed at full capacity, the Design Center will employ up to 100 people, with hiring ramping up over a five-year period.

"Caterpillar's Engineering Design Center is a great fit for Rapid City. Caterpillar will be employing students and graduates from both South Dakota School of Mines and Western Dakota Tech as engineers and draftsman. These high-skilled positions are what we are looking for because they allow our talented students to remain in our community while putting their education to great use," said Rapid City Mayor Alan Hanks.

Looyenga Establishes Faculty Fund

Many alumni of the South Dakota School of Mines are sure to remember Dr. Bob Looyenga, a faculty member in the Chemistry Department from 1972 until 1997. Looyenga taught classes in Freshman Chemistry, Analytical Chemistry, and Instrumental Analysis and was well-known across campus during his 25-year tenure.

In April 2010, Dr. Looyenga was diagnosed with mesothelioma, a lung disease caused by asbestos exposure. Looyenga has recently established the Bob Looyenga Faculty Development Fund. This endowed fund will eventually provide support to the Chemistry Department at the School of Mines by assisting faculty members within the department to become better teachers by keeping them on the cutting edge of technology and by making them aware of industry needs. Funding will be available to chemistry faculty for travel to professional seminars and conferences,

tuition for special courses to enhance the faculty member's education, lab equipment, and software upgrades.

Looyenga's relationships with the School of Mines and the Rapid City community are long-standing. While still teaching at the School of Mines, Looyenga began consulting with local industry. His consulting business quickly broadened when he began working with the Pennington County State's Attorney Office, serving the Rapid City Police Department, the Pennington County Sheriff's Office, the South Dakota Highway Patrol, and many surrounding counties in western South Dakota. The Department of Criminal Investigation, the FBI, and the National Forest Service have also benefited from Looyenga's testimony as an expert witness in many court cases.

In addition to his work at the School of Mines

and consulting, Looyenga has been involved in numerous civic activities. He has been part of the Festival Chamber Singers, the Dakota Choral Union, and Kantorei under the direction of Dr. James Feiszli. He has also been affiliated with the Allied Arts Fund Drive, serving on the board for many years and as president for one year.

In addition, Looyenga has been involved in the Presbyterian Church where he has been active not only in his local church, singing in the choir, teaching adult education classes, and serving on the board of elders, but also at the state level through the Presbytery of South Dakota.

Contributions to the Bob Looyenga Chemistry Faculty Fund can be made on line (<http://foundation.sdsmt.edu>), via telephone (800) 211-7591, or by mail to SDSM&T Foundation, 501 East Saint Joseph Street, Rapid City, South Dakota 57701.

Summer of Fun at the School of Mines

The South Dakota School of Mines and Technology is full of life in the summer. The School of Mines campus played host to nearly 600 students from all across the country, with students coming to classes and camps to have fun and learn about careers in science and engineering.

The Youth Programs office offers a wide variety of camps and classes that teach kids science, engineering, and technology in fun, hands-on ways. Research shows that the biggest influence on science and engineering careers is made by reaching kids in K-12, especially those in upper elementary and middle school. Many of the camps offered are residential camps. Nearly 300 students from 23 different states visited the School of Mines this summer to attend a residential camp. These students got to stay on campus in the dorms, eat in the cafeteria, and attend classes and activities on campus to get a feel for what life on a college campus is like. Besides leaving with a greater understanding of engineering and science, these campers also left with an increased understanding of the expectations and transition to college.

In total, there were 584 students attending 41 different camps and classes this summer, meaning that many more kids were exposed to all the excitement and knowledge that the School of Mines has to offer!

Midcontinent Communications Donates to Youth Programs



Nancy Anderson-Smith, director of Youth Programs and Continuing Education, receives a \$1,000 check from Mike Malon, regional sales manager at Midcontinent Communications. The contribution will be used to purchase renewable energy kits for elementary youth attending programs offered through the School of Mines.

Enrollment Is Up at the School of Mines

The South Dakota School of Mines and Technology has posted a nearly 21-percent increase in first-time freshman enrollment for the fall 2010 semester, shattering 2009's 14-percent increase. Total enrollment has surged by 8 percent, for a total of 2,354.

"We are doing a great job of spreading the word that Mines is fast becoming a university of choice for the best and brightest engineering and science students," said President Robert A. Wharton, Ph.D. "The high caliber of our current students, faculty and staff, as well as the excellence of our educational programs, is key to attracting more outstanding individuals, and we are eagerly making plans to accommodate this positive growth into the future."

The School of Mines has expanded its traditional recruiting territories in recognition of changing demographics. This new scope is reflected in the greater geographic diversity shown by the class, with freshmen coming from 30 states, 11 countries, and 53 South Dakota counties. In the total student body, 40 states and 27 countries are represented.

The School of Mines is combating the nation's shortage of students enrolling in the science, technology, engineering, and mathematics (STEM) majors by developing a wide array of K-12 STEM classes and camps to spark interest in these fields and build a pipeline of future engineers and scientists. By all indications, this approach has been a success—this fall, 30 students that participated as high school students are enrolled at the School of Mines.

Enrollment numbers also reflect the attention that the School of Mines has placed on increasing diversity. Native American enrollment jumped by 19 percent for a total of 82 students, or 3.5 percent of total enrollment. Diversity numbers for the student body as a whole have increased by 3.8 percent.

The School of Mines has also seen a more than 15-percent increase in fall 2010 graduate enrollment, which helps to fuel the research engine of the university, the Black Hills region, and the state. In South Dakota and nationwide, scientists and engineers provide a substantial boost to the economy in part through innovations generated by research activity.

Donald Sattler

Donald C. Sattler, age 81, of Avon died on June 26, 2010, at Tyndall Good Samaritan Center, Tyndall, South Dakota.

Donald was born on November 29, 1928, in Avon, to Chris and Louise (Heil) Sattler. He attended the Avon Public Schools and graduated from high school in 1946. He attended college for a year and then went to work for the U.S. Army Corps of Engineers at their Oahe Area Office. Don enlisted in the U.S. Army in 1950 where he served overseas in Germany and France. He was discharged in 1953 and then attended the South Dakota School of Mines where he graduated in 1956 with a bachelor's degree in civil engineering. Donald then returned to work for the Corps of Engineers Oahe Area Office in Pierre. In 1957, he accepted the assignment with the Corp of Engineers Omaha District Office in Omaha, Nebraska. In 1960, he received his professional engineering license, and he retired in 1978.

Donald spent his free time hunting, fishing, camping, and traveling with his brother, Arnold. Many summers were spent on salt water fishing trips to the northern tip of Vancouver Island, British Columbia, Canada.

He was a member of various organizations, namely the South Dakota Community Foundation and the South Dakota Parks and Wildlife Foundation. Donald developed and was past president of the Avon Development Corporation and was the sponsor of Ducks Unlimited and Pheasants Forever. He had also remained active with the School of Mines, establishing the Chris and Louise Sattler Memorial Scholarship and being named a national leader in the university's first capital campaign, VISION 2000.

UPCOMING EVENTS

Foundation personnel will continue to travel around the country, sharing the latest from campus and providing exciting updates about the Building the Dream capital campaign with alumni and friends. Several trips are planned for the remainder of 2010.

Watch for more information about events in the following areas:

San Francisco Bay Area, California	Minneapolis-St. Paul, Minnesota
Denver/Front Range Area, Colorado	Pittsburg, Pennsylvania
Peoria, Illinois	Sioux Falls, South Dakota

Call the Foundation at (800) 211-7591 for details

Musick Establishes Fund to Honor Weger

The Ron Weger Faculty Development Fund was established at the South Dakota School of Mines and Technology by Roger Musick (EE 71). The endowed fund will provide assistance to faculty in the Department of Mathematics and Computer Science with the emphasis on helping faculty to become better teachers, keeping them on the cutting edge of technology, and making them better aware of industry needs. Funds may be used for travel to seminars and conferences, tuition for special courses, lab equipment, or software upgrades.

Ronald Weger grew up on a farm in southern Illinois. He earned his bachelor's degree in mathematics from William Jewell College in Liberty, Missouri, in 1962. He worked as a graduate assistant at the

University of Illinois while he completed his Ph.D. in mathematics, which he received in 1967. Dr. Weger then joined the Mathematics Department at the School of Mines where he taught mathematics classes. Then in 1978, he and David Ballew started the Computer Science Department at the School of Mines. Dr. Weger taught courses in mathematics, computer science, FORTRAN, and even a junior level electrical engineering controls class and a physics course as well.

Dr. Weger was known for his high expectations for students coupled with his willingness to go the extra mile (or many miles) to help students learn. "SDSM&T was the nicest place in the world to work. The students were wonderful, very enjoyable to teach," he stated.

Dr. Weger met Roger Musick in 1967, their first year at the School of Mines, when Roger was a freshman student in Weger's calculus class. The two have been friends ever since. Roger stated, "Dr. Weger had a gift of making very technical subjects understandable, interesting, and enjoyable." Roger is married to Vicki, and they have three children.

Dr. Weger retired from the School of Mines in 1991, after 24 years of teaching students. After retirement, he did consulting work for the Institute of Atmospheric Sciences at the School of Mines for five years. He still reads and keeps current with math and physics but enjoys gardening just as much. He has an extensive garden and has converted his garage into a sun room greenhouse. He grows flowers, fruit trees (even banana trees), and vegetables.

Persons Establish Scholarships for School of Mines Students



Todd and Rebecca Person

Todd (EE 90) and Rebecca Person recently established two scholarships at the South Dakota School of Mines and Technology.

The first scholarship, the Todd Person Football Scholarship, is a non-endowed scholarship that will be awarded to a member of the School of Mines football team. The second scholarship, the Todd Person Electrical Engineering Scholarship, is a non-endowed scholarship that will be awarded to a School of Mines student who is majoring in electrical engineering with

first preference being given to a student who is a member of the School of Mines football team.

Todd R. Person grew up in Huron and graduated from Huron High School in 1986. Based on the mentorship of his trigonometry and calculus teacher, Gene Peters, he enrolled at the School of Mines where he studied electrical engineering, graduating with a bachelor's degree in 1990. Todd was involved in many groups and activities while on campus including Delta Sigma Phi fraternity and the Hardrocker football team. After graduating, Todd went to work for Shell Oil Company in Midland, Texas. It was in the Midland/Odessa area that Todd met his wife, Rebecca. Todd and Rebecca have two children, Karl, age 17, and Renee, age 14.

In 1992, Todd made a career move and started what has been an 18-year career in the data storage industry. Early in his career at 3M, he was involved in the spin-off Data Storage Division that became a stand-alone company, Imation. Todd worked in a number of technical positions in North Dakota,

Arizona, and California before being promoted to an operations manager in 2001. In 2007, with major adjustments to Imation's manufacturing strategy, Todd accepted the site manager position in the Ciudad Juarez, Mexico, factory where all of Imation's converting manufacturing was relocated. In 2009 Todd was promoted to director of Mexico Operations, continuing with a focus on the manufacturing operations in Mexico.

During his career, Todd has also focused on community service. He has been a coach and an assistant coach on his children's football, basketball, and baseball teams in Arizona, California, and Minnesota. His longer assignment in the community of Wahpeton, North Dakota, also allowed him to participate on the area's United Way Board both as a member and president. In addition, Todd has served a couple of terms on the School of Mines Electrical Engineering Advisory Board and has worked with his company to set up summer intern positions and some special project assignments.

RESPEC Fellowship Supports ME Grad Student



RESPEC Fellow Sam Voegeli

RESPEC recently established the RESPEC Fellowship which will support a master's student in mechanical engineering at the School of Mines. First preference will be given to a student studying control systems.

The first RESPEC Fellowship was awarded to Samuel Voegeli from Winner, South Dakota, for the fall 2010 semester.

RESPEC is an integrated consulting and services firm with over 120 full-time employees and annual revenue in excess of \$15 million. Founded in 1969, RESPEC has remained committed to its original purpose of providing clients with high-quality technical and advisory services. Because of this commitment, RESPEC places particular emphasis on personnel experience and expertise, as well as the reliability and quality of their services. RESPEC currently has offices located throughout the central United States, including Rapid City; Rochester, New York; Albuquerque and Carlsbad, New Mexico; and Orlando, Florida. Through outstanding contract performance, sound management and quality practices, and the application of appropriate technology, RESPEC has established a reputation as a responsive technical services provider that is sensitive to client needs.

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