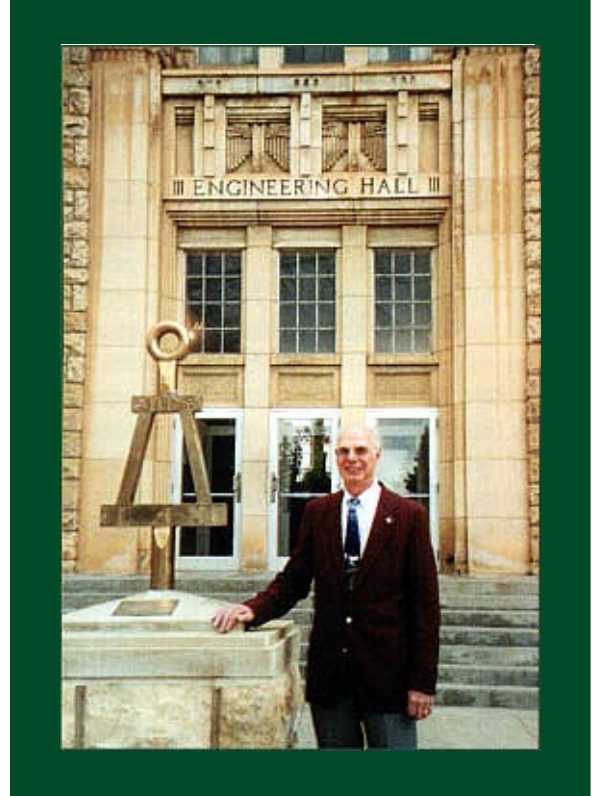


## Dean Kynric M. Pell Retires from College of Engineering

Three years ago, Provost Al Karnig said of newly-appointed Dean Kynric Pell, "For a quarter of a century, Kyn has been a remarkably effective UW faculty member. He cares deeply about students, and you can see Kyn's impact on graduates of his program. Moreover, his research work has been recognized nationally in the award of various patents and in grants from the U.S. Navy, National Research Council, and many other agencies. It's worth noting as well that his work has had an applied focus of great relevance to Wyoming, for example in his extensive research on a new prototype snowplow. Since 1989, Kyn has also been a highly successful Head of the Department of Mechanical Engineering with a strong emphasis on long-term planning, teaching and research excellence, and a public-service orientation promoting entrepreneurial activities in support of economic development in Wyoming."



During his years as Dean of the College, Kyn Pell has given his best efforts to lay the groundwork for student and faculty success in the 21st century.

He established the National Advisory Board, comprised of distinguished government and industry leaders, to assist the College in achieving a higher level of excellence.

Working closely with the College Development Officer, Brenda Bland, he increased the College endowment by \$6 million to ensure faculty and students will be able to meet the challenges of the future.

As Head of the Department of Mechanical Engineering, he instituted the Senior Design Symposium to give students a chance to present their projects before panels of industry judges. As Dean, he expanded that concept into a College-wide symposium that in December 1998 showcased 96 students, representing all departments.

Kyn Pell also worked with his Associate Deans and Department Heads to accomplish a full accreditation review by the Accreditation Board for Engineering and Technology (ABET).

Working with Dr. James Smith, he initiated the College of Engineering Hall of Fame to honor outstanding alumni who can be held as examples of what Wyoming graduates have accomplished on a world-wide scale.

As he says in the *Dean's Desk* on page 2, "Our students and faculty are special people and they make the University a very special place." Dean Kynric Pell has done his very best to make the College a special place, and to recognize his efforts and honor his years of service, his colleagues have established The Dean Kynric M. Pell Engineering Scholarship. We hope you will join us in this lasting tribute to Dean Pell, as we wish him well in his retirement.

**Inside this issue:**  
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# Dean's Desk

## Thoughts as I Get Ready to Retire

Twenty eight years ago, Ann, our two daughters Kymberly and Shannyn and our son Kyn Jr. drove into Laramie along US 287. We had a Ryder truck with everything we owned, a camper, an old Bronco and a Chrysler stationwagon. It had been a great adventure driving here from Alabama.

Ann had not been with me on my interview trip and as we were traveling to Laramie she thought Virginia Dale might be a great place to live. By the time we got to the Holiday Inn she was ready to head back to Auburn, Alabama. Despite that start, Ann made a home for our family here in Laramie. Our children went to grade school, junior high and high school as well as the University of Wyoming. Throughout those years we played and worked throughout the State and got to know and make friends with a great number of Wyoming natives as well as transplants.

At the University I was fortunate to have a group of wonderful colleagues. For over twenty years, John Nydahl and I worked on projects for the U.S. Army, Wyoming Department of Transportation, and the Federal Highway Administration. Much of this work was directed toward development of pavement heating techniques. It led to several patents and a few commercial installations on bridges, ramps and sidewalks. More recently, we worked on design and testing of snow removal equipment. In the last decade a group of faculty, students and professional staff have worked with me on computer aided design and manufacture for IBM and the U.S. Navy which led to the founding of IDES Inc., a Laramie firm providing engineering

design information to the plastics industry.

As the new Dean of Engineering, I worked with the Heads and Associate Deans to ensure a successful accreditation review and implemented a College-wide Senior Design Symposium. Dr. Jim Smith suggested creation of a College of Engineering Hall of Fame and we inducted six distinguished honorees in the Fall of 1998. Brenda Bland was hired as Director of Development with a mandate to help connect the College to our alumni and friends throughout the country. She also took a leadership role in strengthening our interactions with engineers in the State, especially through the Wyoming Engineering Society.

I created a National Advisory Board (NAB) for the College of Engineering and the Board has been actively involved in providing advice and assistance. Robert Gose chairs a committee, with NAB Chair Ollie Boileau and David Reed, to help develop a major fund raising campaign for the College. This group and Brenda have raised \$5 million in current and deferred gifts as of the April Advisory Board meeting where Ollie Boileau announced a personal \$1 million dollar challenge gift to the College if the other Board members matched his gift. I am confident the Board members will collectively match Ollie's gift and we will have a \$7 million start on the major fund raising campaign.

National Advisory Board member and dear friend Harold Kester passed away February 14, 1999. Harold was the key proponent of a major fund raising activity for the College, served on the NAB committee until his death, and provided



leadership in the early development of our campaign. Harold and Bonnie Jane have supported the College of Engineering with an extraordinary amount of financial support but also with their time, energy and wisdom. We will all miss Harold.

During the past 28 years, I have had the opportunity to meet and work with about 2,000 undergraduates, many master's students and four doctoral candidates. Every faculty and staff member I have worked with at the University placed our students and their education first. Our students and faculty are special people and they make the University of Wyoming a very special place. This is reflected in the careers and lives of the hundreds of alums I have had the opportunity to meet. Throughout the country, Wyoming engineers are contributing to the productivity of the nation, the welfare of their communities and successful families.

Ann and I made the right choice 28 years ago and we are proud to have been part of the College of Engineering. We wish each of you the very best!

Kynric Pell, Dean



# In Memoriam – Harold O. Kester

Once upon a time there was a bronc buster who slept on a bedroll in the loft of the UW Stock Farm cow barn in Laramie, WY. He was not a cowboy. He was an engineering student who couldn't always afford room and board while working his way through college, sometimes putting in a 40-hr. work week in addition to his studies.

Once upon a time there was a young second lieutenant who went to use his engineering skills to rebuild war-torn Europe in 1944. He came home with the rank of major and commendations from the French and Belgian governments.

Once upon a time there was a man who owned one of the nation's premier hydroelectric construction firms: Eagle Construction Corporation. He personally supervised the installation of the world's largest hydroturbines at Grand Coulee Dam.

Once upon a time, there was Harold O. Kester.

On February 14, 1999, the College of Engineering lost one of its greatest friends and supporters. Harold O. Kester passed away at the age of 85, after losing a valiant battle with cancer. At the annual College of Engineering and Tau Beta Pi Honors Banquet in April, Kester was posthumously named Alumnus Eminent Engineer. He would have shied away from the honor, as he had over the many accolades he garnered during his lifetime. He was a modest man, always insisting that he was only "playing the hand that was dealt to him."

Kester is the classic example of the man who made it on his own. The son of a Wyoming homesteader, his early years were spent near Buffalo, in a one room, 12' x 20' shack, sharing a cot with his brother Edwin. Hard work was the only ethic he ever knew.

After enrolling at UW at the age of 23, it took him five years to get his degree in civil engineering. He attributes his success to the encouragement and support of his friend and mentor, the legendary H.T. Person. Kester rose from the ranks of struggling students to become an honor student and member of Sigma Tau, the organization which is now Tau Beta Pi. In an autobiography he wrote for his daughters, Patricia and Rebecca, and his grandchildren, Paige, Laura, Martin and Scott, he said, "I was really elated that I had finally gotten my degree and had also found Bonnie Jane." Bonnie Jane Reymore. The love of his life, his wife and helpmate for 57 years.

Harold O. Kester's career could fill all the pages of this issue, as could the honors that came to this quiet, compassionate man. The man who was "only playing the hand that was dealt to him." With two other UW engineers, George Fancher and L. Keeney McWethy, Kester founded Eagle Construction Corporation, and the rest, literally, is history. In the last year of his life, Kester wrote a book, *Hydroelectric: The History of Eagle Construction, Forty Years of Hydroelectric Installations*. It is a 300-page history of his company, accompanied by fantastic photographs of the major projects of one of the most respected firms in the hydroelectric construction business. In typical Kester fashion, all proceeds of the book will go to the College of Engineering. It is a book worth owning.

The generosity of Harold and Bonnie Jane Kester is staggering. There are hundreds of alums out there who have received Kester scholarships. His support of the H.T. Person Endowment was indicative of the level of respect he had for his mentor and this College. In the months before his death, he also earmarked \$600,000 for the General Samuel C. Phillips Engineering Scholastic Excellence Fund. How many of us have heard him say that he owed everything he became in life to this College and this University? He also served this University with his time, as a member of the College's National Advisory Board, the H.T. Person Endowment committee, the Phillips Endowment Campaign, and the University's Foundation Board.

This man of wisdom, courage and integrity was honored in 1991 as a Distinguished Alumni of the University, and was inducted into the first class of honorees in the Engineering Hall of Fame last Fall. Harold O. Kester reluctantly stepped forth to accept the honor, calling it the "high point of his life." He truly believed he didn't belong in such exalted company. He once wrote, "What is success? I still wonder and I am not sure if I'll find the answer ...success is infinitely different things to all people. Success may be the favorable conclusion of many steps through life, no matter what those steps may be."

He was very much "a success," no matter whose definition and standards are used. He was an irreplaceable part of the College and the University family. He will never, ever be forgotten.

Once upon a time, there was Harold O. Kester.





# In Memoriam – Newlin Morgan

The College was saddened to learn of the death of Professor Emeritus Newlin Morgan on April 4, 1999. A faculty member for 33 years in the College, Morgan was a professor of structural engineering who became Head of the Department of General Engineering (later, Civil Engineering) and Assistant Dean of the College under Deans A. J. McGaw, Frank Sutton and Cliff Ferris. He retired from UW in 1979.

Morgan received his bachelor's, master's, and professional degrees from the University of Illinois, and was also commissioned as a Second Lieutenant in the U.S. Army after completing his ROTC training at that institution. He served his country in World War II, earning the rank of major, and was recalled from the Army Reserves to active duty during the Korean Conflict. He retired from the Army Active Reserve as a Lt. Colonel.

A licensed Professional Engineer in the State of Wyoming since 1950, Morgan was appointed by Governor Stan Hathaway as a member of the State Board of Examining Engineers. He also was a member of many professional organizations, including the American Society of Civil Engineers (ASCE), the American Society of Engineering Education (ASEE), and the Wyoming Society of Professional Engineers (WSPE). He was a member of the national engineering honorary Sigma Tau, now Tau Beta Pi.

In the Laramie community, Morgan was a founding member of the Grace Baptist Church. He loved to sing and was active in several music groups. Morgan especially loved Cowboy football, and in the Fall, everything he did revolved around whether it was a "game weekend."

Newlin Morgan was a well-respected part of UW for many years, and the College extends its sincere sympathy to his wife of 53 years, Rosa Lee, and his sons, Newlin, Will and Evan.

## Friends, Old and New



On his travels, Dean Kynric Pell ran into long-time friend of the College, retired USAF Col. Paul Bechtel (BS '30) in Florida. He and his wife, Lois (l) enjoyed a long visit with Dr. Pell and his wife, Ann (r).

While in San Ramon, CA, Dean Pell had a chance to spend some time with alum Carl Huntzinger (BS/CE '51) and his wife, Marjorie.





# National Advisory Board

The College's National Advisory Board met in Laramie on April 8-9, 1999. In addition to welcoming four new members, James Poage, Mike Kmetz, Elizabeth Bush-Ivie, and Larry Frame (not pictured), the Board heard reports on the following topics:

- General Samuel C. Phillips Engineering Endowment, Bob Gose
  - Support for Faculty Excellence, UW Vice President for Academic Affairs Tom Buchanan
  - Support for Technology, Dr. David Walrath, Mechanical Engineering
  - Student Support, Dr. David Whitman, Associate Dean for Academics
- Development Plan, Brenda Bland, College Development Officer
- Student Survey - Communications Plan, James Poage
- Dean Search Update, Tom Lockhart
- Presentation by James McDivitt, Chair of the University of Michigan's \$130.5 million College of Engineering Campaign

### New National Advisory Board members



James Poage  
Sr. Vice President, Marketing  
Sabre



Elizabeth Bush-Ivie  
Regulatory Management/Consulting  
Char-Pen, Inc.



Mike Kmetz  
President  
IDES Inc.

National Advisory Board Chairman Ollie Boileau directed that action be taken on several items:

- Subcommittees of the Phillips Endowment Campaign will report to the Board at the Fall 1999 meeting
  - Faculty Support, chaired by Roy Cline; Pete Jorgensen, Tom Lockhart
  - Facility and Program Support, chaired by Mike Petera; Mike Kmetz, Dan Magee
  - Student Support, chaired by Jim Poage; Boots Nelson, Peter Wold
- Renew invitation to faculty to participate in NAB meetings (May 1999)
- Presentation of plans for Annual Fund phonathon (Fall 1999 meeting)
- Provide list of naming opportunities/costs for the Phillips Endowment Campaign to NAB members. (May 1999)
- Report of recruiting issues; development of survey tools for students and parents. (Fall 1999 meeting)



(l to r) College Development Officer Brenda Bland, NAB special guest James McDivitt, astronaut in the Apollo 9 and Gemini 4 space programs, and alum David Reed (BS/ME '64), former Apollo 13 mission ground control.



# Honors



Ira Wygant  
Wyoming Engineering Society  
Student Engineer of the Year

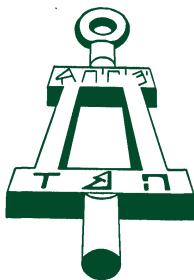
The Wyoming Engineering Society Student Engineer of the Year is Ira Wygant. He is a senior majoring in electrical engineering with a cross-college major in computer science. A member of the national engineering honorary, Tau Beta Pi, he has served as chapter historian and tutor for that organization. He is also a student member of the Institute of Electrical and Electronics Engineers (IEEE) and the Association of Computing Machinery (ACM), serving as both president and treasurer of the latter.

An Honor Book recipient in the Department of Electrical Engineering, Wygant has had research appointments involving signature analysis for induction motors and radio frequency radiation measurement from electric motor controllers. He held a DOE/EPSCoR Fellowship for Undergraduate Research and worked on speech quality assessment in communication systems. At Oak Ridge National Laboratory in Tennessee, Wygant conducted research in the design and testing of a light-detecting integrated circuit.

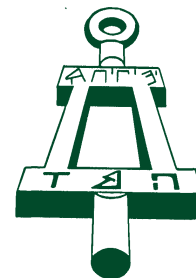
A graduate of Laramie High School, Wygant came to UW with the support of a University Trustees Superior Student Scholarship and has maintained a 4.0 GPA throughout his career. As of early April, this outstanding young man has had several offers from prestigious graduate schools across the nation, and has narrowed it down to Berkeley or Stanford where he will use his NSF graduate fellowship. Summer of 1999 will find him working for Lucent Technologies to pursue mixed signal VLSI design for cellular communication systems.

When asked about his time at UW, Wygant says, " It is hard to believe that I have been in the college of engineering for just four years, as I have grown so much in that time. The curriculum at UW has helped me develop a solid foundation in engineering and has helped me identify my specific interests within electrical engineering. The faculty here have been very supportive, providing me with a number of research opportunities at UW and helping me seek out research opportunities at other institutions. Certainly, the time that I have spent at UW will have a positive impact on the remainder of my career."

For Ira Wygant, the future holds unlimited options, and the College wishes him the best!



## Tau Beta Pi Awards 1998-99



**Outstanding Junior**  
Libby Huskey, Gillette, WY

**Outstanding Sophomore**  
Lindy Johnson, Lander, WY

### Outstanding Freshmen

- Steven Birdsley, Laramie, WY
- Cory Buelt, Casper, WY
- Travis Craig, Gillette, WY
- Dennis Donham, Cody, WY
- Jared Grubb, Casper, WY
- Marc Kerschner, Alliance, NE
- Nathaniel Kirkpatrick, La Barge, WY
- Beth Malmskog, Laramie, WY

- Kari Miller, Rawlins, WY
- Christopher Ott, Castle Rock, CO
- Joshua Shackelford, Gillette, WY
- Jennifer Shuster, Rock Springs, WY
- Ryan Smoot, Douglas, WY
- Frank Tuffner, Sheridan, WY
- Abbie Wells, Green River, WY
- John Wilson, Alamosa, CO



# Honors

Michele Colgan has been named as the Joint Engineering Council's 1998-99 Outstanding Senior. "Outstanding" is used so often in connection with Michele Colgan that it seems like her middle name! On May 8, 1999, she will receive a bachelor's degree in electrical engineering ... and a bachelor's degree in mathematics ... and a bachelor's degree in French. Not only is she delivering the Student Perspective at Engineering's Commencement, she is being honored at the Arts and Sciences College's Commencement at the same time. Will she make both ceremonies? "You bet!" she says, "I'll just run real fast."



Michelle Colgan  
Joint Engineering Council  
Outstanding Senior

Colgan, recipient of an Honor Book from the Department of Electrical Engineering, has had her share of honors. She is the only engineer at UW to receive the prestigious Barry Goldwater Scholarship, and she was recently invited to join Phi Beta Kappa ... quite possibly the only engineer to receive the typically arts and sciences national honor!

If you wonder how Colgan finds time to do work in three separate majors, it will astound you when you realize what her "spare time" encompasses. She is the Teaching Assistant on two engineering floors in the residence halls. In that position, she is responsible for informally advising engineering students, maintaining two computer labs, developing academic and social activities for the students, and tutoring them in a variety of math, science and engineering courses. She is also president of Tau Beta Pi, vice president of the all-university honorary Mortar Board, a member of the UW Honors Program, and the Math Department's representative to the Arts and Sciences Undergraduate Dean's Council. There's more! She has been involved in SPURS sophomore honorary, Cardinal Key National Honor Society, Golden Key National Honor Society, and is a four-year member of the UW Club Volleyball team. Oh yes, she also plays racquetball for fun.

Last summer, Colgan conducted top secret mathematical research at the National Security Agency in Fort Meade, Maryland, as part of the Director's Summer Program for undergraduate research. The previous summer found her at the Summer Institute for the Mathematical Sciences at the University of California at Berkeley doing research related to probability and knot theory.

What is in this delightful young woman's future? She has just been awarded one of the prestigious AT&T graduate fellowships which will provide her full cost of graduate education and a monthly stipend, in addition to summer employment at the AT&T research labs. Speaking of the AT&T award, her nominator said, "This award shows how she is regarded on a national scale!"

On a scale of one to ten, Michele Colgan is definitely an eleven. The College extends congratulations to one of its brightest and best!

## Congratulations to our new ASUW Senators!

**Jon Schaffner**  
Electrical Engineering  
Laramie, WY



**Brent Deschamp**  
Architectural Engineering  
Casper, WY

**Tim Woznick**  
Mechanical Engineering  
Cheyenne, WY

**Shahid Khan**  
Electrical Engineering  
Worland, WY



# Honors



Dr. H. Gordon Harris  
Outstanding Undergraduate  
Teaching Award

Dr. H. Gordon Harris has been awarded the 1998-99 Outstanding Undergraduate Teaching Award by Tau Beta Pi. He has long been a favorite of students and his easy-going manner is coupled with the high expectations he holds for UW students. Harris inspires respect and enthusiasm, and creates a positive, creative learning environment. In turn, he respects his students and is sensitive to their needs. Harris' willingness to be candid sets the stage for the exchange of productive ideas. When engaged in class discussions, he keeps the students focused, presenting ideas clearly without dominating the discussion.

He encourages students to tackle challenging subject matters, stressing thought patterns vital to becoming a successful engineer. He also possesses an exceptional command of decision-making and problem-solving techniques and applies them appropriately. Harris' performance consistently extends well beyond the requirements and expectations for his position, and he is an important contributor to the morale and success of his students.

With his BS and MS degrees in chemical engineering from the University of Texas, Austin, and his PhD in chemical engineering from the University of California, Berkeley, Harris came to UW twenty-five years ago. He has risen through the ranks from Assistant Professor to Professor, served as Head of the former Department of Petroleum Engineering for five years, and was appointed as Director of the Enhanced Oil Recovery Institute.

Commenting on his award, Harris remarks, "In the immortal words from Wayne's World: 'I am not worthy,' but I appreciate this award anyhow. I would like to accept this award on behalf of all the great, sometimes not so great, but always entertaining and thought provoking students I've had over the years. Thanks."

H. Gordon Harris – definitely an original, and a highly valued member of our faculty.

The Outstanding Graduate Teaching and Research Award for 1998-99 goes to Dr. Pradeep Agarwal of the Department of Chemical and Petroleum Engineering. Six years ago, Agarwal came to UW from the University of Adelaide in Australia, and his research efforts have brought much recognition to the College and the University.

From 1995-98, Agarwal was the Cluster Director for the \$2 million NSF/EPSCoR project on the fundamentals of Western coal utilization. He currently directs the Fossil Energy cluster, a DOE/EPSCoR project funded at approximately \$150,000 per year. The National Science Foundation has recently funded one of Agarwal's projects, *The Role of Moisture and Carbon Monoxide in the Destruction of Nitrous Oxide in a Pulsed Corona Plasma Reactor*, at \$220,000.

As Director of the Coal Utilization Research Group (CURG), Agarwal has several research projects underway to increase the value of Wyoming coal (Winter 1999 *Foresight*). The statement was made by Agarwal's nominator, "In our entire nation there really is no one better in fluidized bed technology, especially as it applies to combustion. One must go overseas to find individuals of his caliber in his area of specialty."

A recent recipient of the Mortar Board "Top Prof" award, Agarwal also excels in teaching. His evaluations consistently refer to his excellent command of the subject, availability, and positive attitude.

Obviously a man who "does it all," Pradeep Agarwal is extremely modest and gracious. He comments about his award, "I am deeply honored. I have, of course, very many to thank. My family, innumerable mentors, friends and students, here and in many countries – all have contributed in different ways. Thank you all, sincerely, for this wonderful and lasting memory."



Dr. Pradeep Agarwal  
Outstanding Graduate  
Teaching and Research  
Award



# Honors

Gordon W. "Jeff" Fassett (BS/CE '74) has been named by Tau Beta Pi as Wyoming Eminent Engineer for 1998-99. He is currently the Wyoming State Engineer, a position he has held for twelve years.

Fassett's professional career has been dedicated to the wise management, development and protection of water resources in the West. He has contributed to the strong protection of the State's water laws, resources and environment, while defending significant litigation during an extended period of statewide drought, the magnitude of which has not been experienced since the 1930s and 1950s. His nominator for the award states, "Jeff is a highly motivated individual who deals with many difficult problems on a daily basis and has proven that he can handle every situation."

Fassett has been involved with water resource issues in the Colorado River Basin, Missouri River Basin, Columbia River Basin, and the Great Basin (Bear River) and has authored several publications. He is an accomplished speaker and has been a guest lecturer in UW classrooms. Fassett received the Headgate Award from the Four-State Irrigation Council in 1991 and the Distinguished Service Award from the Upper Missouri Water Users Association in 1993.



Gordon W. "Jeff" Fassett  
Wyoming Eminent Engineer

Initiated into Tau Beta Pi at UW, Fassett is also a member of the National Society of Professional Engineers, American Consulting Engineers Council, American Water Works Association, Wyoming Board of Registration for Professional Engineers and Professional Land Surveyors, and the Wyoming Engineering Society. He is a member of the National Wildlife Federation and the Wyoming Outdoor Council, a Trustee for the Colorado River Water Users Association, and a National Board Member for the Interstate Council on Water Policy.

The College is pleased to extend congratulations to an outstanding alum.



l to r: Mike Schilt, Bob Adame, Frank Garen, Mike Allen and Russ Porter  
Outstanding Service Award – The Engineering Shop Staff

The 1998-99 Outstanding Service Award goes to the Engineering Shop Staff. During the past year, the mechanical shops of the College were combined to achieve efficiency in the use of equipment, allow the College to implement a more systematic upgrade plan for equipment and facilities, and to utilize the experience of the technicians more effectively. The staff has supported students and faculty in every department in the College while handling laboratory safety and safety training College-wide.

With 67 years of combined experience, the shop staff's professionalism is demonstrated in the care of the equipment, their patient counsel of students doing senior design projects and those working on research projects, and their support of faculty conducting research.

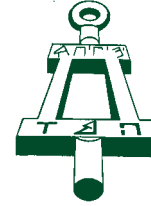
Each member of the team has made an important contribution to the success of the engineering shops, and the College salutes each one of them!



# Honors

Each year, outstanding engineering students are inducted into two major honorary organizations which only honor the very best . We offer our sincere congratulations to these exemplary young men and women.

## Tau Beta Pi National Engineering Honorary



Greg Avey, EE Casper, WY	George Hartman, CHE Casper, WY	Xuan Lu, CHE Laramie, WY	
Jennifer Bean, ARE Casper, WY	Libby Huskey, ME Gillette, WY	Zheng Ma, EE Laramie, WY	
Margaret Berger, CE Cheyenne, WY	Melissa Jones, ARE Thornton, CO	Kammi Mock, ARE Cody, WY	Jeri Schulz, CE Greybull, WY
Nathan Bolander, ME Evanston, WY	Anup Kadkol, EE Laramie, WY	Darin Moffett, CE Cody, WY	Paul Schuman, ARE Laramie, WY
Michael Brady, CE Big Piney, WY	Joseph Kolnik, CHE Buffalo, WY	Nandish Murthy, EE Laramie, WY	David Stierwalt, CE Colorado Springs, CO
Christopher Daniels, CE Mill Hall, PA	Jason Kopas, EE Casper, WY	Timothy Olson, EE Casper, WY	Frank Strong, CE Gering, NE
Brent Deschamp, ARE Casper, WY	Christopher Kost, EE Powell, WY	Wyatt Parsons, EE Pocatello, WY	Dorothea Tribble, ARE Richland, WA
Joel Draper, CHE Colorado Springs, CO	Hongze Lai, ME Laramie, WY	William Pilkington, CE Laramie, WY	David Turula, ME Laramie, WY
Aaron Edland, CHE Mandan, ND	Tracy Lamar, ENRE Merritt Island, FL	Thomas Rice, ME Dubois, WY	Ruoyan Wang, CHE Laramie, WY
Angela Eicke, ME Riverton, WY	Christopher Lee, ME Estes Park, CO	David Ruff, CHE Rock Springs, WY	Angela Whitman, CE Laramie, WY
Richard Engelman, ARE Colorado Springs, CO	Qing Li, EE Laramie, WY	Megan Ruff, CHE Sinclair, WY	Peter Wolt, CHE Durango, CO
Levi Good, EE Laramie, WY	Matthew Loose, CE Cheyenne, WY	Ken Schneider, PETE Riverton, WY	Zenggang Xue, ME Laramie, WY

## Mortar Board all-University National Honorary

Jennifer Bean, ARE  
Casper, WY

Libby Huskey, ME  
Gillette, WY

Leslie Reed, CE  
Aurora, CO

Paul Schuman, ARE  
Laramie, WY

Aaron Walters, EE  
Rock Springs, WY



# Computer Network Lab

Dr. Suresh Muknahallipatna, assistant professor in the Department of Electrical Engineering and UW alum (PhD/EE '95) has developed the Computer Network Lab with support mainly from McData Corporation, Broomfield, CO, and others. The lab is a new addition to the Department and will assist in the development of a full-fledged computer engineering program. The lab primarily consists of five 300 MHz Pentium Class Servers and ten Pentium Class Workstations. The lab also has switches, bridges, hubs, RAID's and Token ring equipment from vendors like Cisco, 3Com, ProTen, and ExtraByte.



Dr. Suresh Muknahallipatna

The lab has the capability to set up an Ethernet or IBM Token ring-based network. In addition to the hardware, the lab supports both Microsoft NT and Novell Networking Systems. To study complicated networks, the lab has also acquired industry standard simulation software (COMNET III).

The lab is currently being used for providing hands-on experience to the students taking "Computer Network and Communications" taught by Muknahallipatna and Dr. Robert Kubichek, also of the Department of Electrical Engineering. The students learn to set up and administer ethernet-based LANs. The experiments are tailored to provide the knowledge necessary for a student to obtain the Microsoft Certified Systems Engineer certification. In addition, the students using the COMNET software simulate large complicated networks and learn various performance analysis techniques.

In the summer of 1999, Windows NT Systems programming with insights to Windows NT architecture will be taught. Four graduate students are also using the lab facilities for their research.

The new lab will be of great help in developing a full-scale computer engineering program. It is hoped that Microsoft will provide additional support for the Microsoft Certified Systems Engineer certification training.

# Dolan elected to ACI Board

Dr. Charles Dolan of the Department of Civil and Architectural Engineering was recently elected to the Board of Direction of the prestigious American Concrete Institute (ACI). ACI is the world's largest professional organization dedicated to creation and dissemination of knowledge on concrete materials and structures. In the past decade ACI has moved into the international arena and has members and activities worldwide. Dolan said: "The Institute provides immeasurable service to the university community by being one of the prime sponsors of peer reviewed technical journals. Like the University of Wyoming, ACI is constrained by lack of volunteers and presented with immense opportunities due to electronic communication. The issue is to lead the transformation of the Institute from a traditional technical society into a leader in the electronic age."



Dr. Charles Dolan

In addition to being elected to the Board of Direction, Dr. Dolan is also the chairman of the Fourth International Symposium on Fiber Reinforced Polymers for Reinforced Concrete Structures to be held at the ACI national conference in Baltimore, Maryland in October 1999. The conference will feature over 100 presentations with speakers from more than 35 countries.

The College is proud to have a representative of Dr. Dolan's stature on the ACI Board of Direction.

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# Mr. Ambassador!

Did you know him as a classmate in petroleum engineering, class of '61? Did you know him as a UW law student, class of '64? Surely you knew him as the Governor of the State of Wyoming, 1986-1994? Well, now you may address him as "Mr. Ambassador."

Sworn in on December 9, 1998 before a host of dignitaries, Mike Sullivan became the U.S. Ambassador to Ireland. Undersecretary of State Stewart Eizenstat said, "President Clinton chose Mike Sullivan to be Ambassador to Ireland because he has a master's touch with people. He is a man of integrity and sincerity, a man who builds bridges between opposing sides. I know Mike Sullivan will bring his creative and considerable energies to the President's commitment to support the peace process."

Among Sullivan's tasks is overseeing the fragile peace accord in Northern Ireland. He sees it as "an overwhelming opportunity and challenge." His primary duty as an ambassador is to maintain Ireland's close relationship with the U.S. and to represent U.S. interests on political, economic and security issues.

Ambassador Sullivan said to tell his many friends from the College that "the country is ever so beautiful and the people very welcoming. We came to Ireland with quite high expectations and they have all been exceeded. We very much miss Wyoming (though Jane doesn't mind being in a place for the first time in her life where the growing season exceeds 90 days) and green in January is not a bad color. Please give our best to all of our friends."



Former Wyoming Governor Mike Sullivan is sworn in as U.S. Ambassador to Ireland by David Pryor, chief of protocol for the Department of State. Former Wyoming First Lady Jane Sullivan holds the bible on which the oath was sworn.

AP/Wide World Photos

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