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NANT Scholarships Awarded

National Academy for Nuclear Training Scholarships (NANT) are awarded to college students who have demonstrated outstanding academic achievement and who are interested in pursuing careers in the nuclear power industry. For the 1998-99 academic year, approximately 40 new scholarships of \$2,500 have been awarded nationwide to nuclear engineering students. Five students in the Nuclear Engineering department at UMR have received new NANT scholarships. The students include three sophomores, Joseph M. McGuinness, Heather A. Nydegger, and Sarah A. Zetterlind and two juniors, Trevor S. Strickler and Andrew T. Szaflarski. The department congratulates these students for their outstanding achievements.

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Student Receives A.P. Green Medal

Jeffrey Dean Shelton of Millstadt, Illinois, was the recipient of UMR's A.P. Green Medal for the 1997-1998 academic year. At the time Jeff was a senior in the Nuclear Engineering department.



The gold A.P. Green Medal, named for the founder of A.P. Green Refractories of Mexico, Missouri, is awarded each year to an outstanding UMR senior.

The UMR Student Financial Aid Committee selects the recipient on the basis of scholarship, leadership, extracurricular activities and probable future success in the engineering profession.

Jeff, the son of Rick and Jeanne Shelton, Illinois, is presently a graduate student in the Nuclear Engineering department here at UMR and is working on a project in collaboration with the Los Alamos National Laboratory.

ANS Scholars

Rachel L. Ragland (senior) and Sarah A. Zetterlind (sophomore) in the Nuclear Engineering department have been each selected to receive an ANS NEED scholarship of \$3500 for the 1998-99 academic year. ANS also awarded Jeffrey D. Shelton a \$3000 graduate scholarship for the 1998-99 academic year.

Phonathon 98

Our annual Phonathon is scheduled for October 5-9, 1998. Students will be contacting you during this period. Your contributions allow us to help our students with the costs of attending UMR and greatly aid our recruitment efforts. This also helps us upgrade our labs by providing matching funds for equipment purchases. We look forward to talking to you again!

MORE TO COME

Message from the Chairman

Greetings from the Nuclear Engineering department! I am very pleased to tell you that the program evaluator from the Accreditation Board on Engineering and Technology (ABET) in the last review made highly complimentary remarks regarding our program. Our accreditation was renewed until the next general review in the year 2002. The positive responses you provided on the alumni questionnaire two years ago were definitely helpful in the ABET review. A measure of our success is your career progress for which we will be seeking your input on a periodic basis in the future as well. Thank you in advance for your input in this matter.

This year again, with the help of Ameren UE (Union Electric Company), the department received \$20,000 from the Department of Energy (DOE) for undergraduate scholarships. Funding of our proposal was the result of an extensive review by DOE in the second five-year cycle of these grants and we are happy that we were successful in securing it.

I am happy to tell you that with your support we have been able to further upgrade our computer laboratories and the radiation measurements laboratory. The improvements, with a cost of approximately \$40,000, include 4 Pentium computer systems and a portable germanium detection system.

In 1997, we graduated ten students with a B. S. in Nuclear engineering and ranked sixth among the 23 nuclear engineering programs nationwide that grant

ABET accredited B. S. degrees. We are continuing to work hard to increase our enrollment and your help in this matter is appreciated. We are always searching for enthusiastic alumni who would like to serve on the department's development board. The newest members this year are Rodney Pickard, '95, '97 and Mark Kelly '94, '95 of American Electric Power Corporation and Robert Clark '83, '86 of Entergy. If you would like information about our development board, please let us know.

Our students continue to be successful in obtaining meaningful summer employment. Last summer, Jeff Shelton, Micheal Smith, Jeremy Christian, all seniors, and Joe Schmidberger, a junior, worked at the Los Alamos National Laboratory (LANL) and Rachel Ragland, a junior, found employment at the Argonne National Laboratory. We thank Dr. Gerald Schlapper of LANL, Mr. Ted Bell of PECO Energy, Mr. Bob Stoddard of Lawrence Livermore National Laboratory, Mr. Robert Clark of Entergy, and Mr. Mark Kelly of American Electric Power for their assistance in obtaining both summer and regular employment for our students.

Your advice and support is gratefully appreciated. Please feel free to call me at (573) 341-4747 or e-mail at kumar@umr.edu.

Thank you very much for your continued support of our program. With best wishes from the department,

Arvind S. Kumar
Department Chairman

Dr. Tsoulfanidis Elected a Fellow of ANS

Dr. Nicholas Tsoulfanidis, associate dean of the School of Mines and Metallurgy and professor of Nuclear Engineering at UMR, has been elected a Fellow of the American Nuclear Society by the organization's board of directors.

Dr. Tsoulfanidis was recognized and honored by ANS for his contributions "to the advancement of nuclear science and technology through the years." A Fellow is the society's highest membership grade, of which a select number of professional associates have been elected.

Dr. Tsoulfanidis joined the UMR faculty in 1968. He received a bachelor's degree in physics from the University of Athens, Greece, and master's and Ph.D. degrees in nuclear engineering from the University of Illinois. His research interests are radiation transport, health physics, fuel cycle and radioactive waste management.

Dr. Mueller Outstanding Teacher Award Winner

Dr. Gary Mueller was one of twenty UMR Outstanding Teacher Award recipients for 1997. The awards are given by the Committee for Effective Teaching and Faculty Awards and are based on teaching evaluations completed by students in the teacher's classes. UMR students view teacher performance as very important to their education and the evaluations reflect their appreciation of an instructor's teaching ability. Dr. Mueller was the only professor in the School of Mines & Metallurgy to receive this award in 1997. This is the fifth Outstanding Teacher Award Dr. Mueller has received at UMR.

THERE'S MORE



Departmental Web Page

The Nuclear Engineering Departmental World Wide Web homepage continues to receive positive comments from prospective students, our alumni and friends. It can be accessed at:

<http://www.nuc.umn.edu>

The alumni section of the our homepage continues to get more names and e-mail addresses. If you want to be part of our homepage please send us your e-mail address.

Come check it out this fall!

Alumni News

Donald J. Buth, '85,'87, Life is great in Arizona.

Coached soccer for first and second grade kids during the fall season and had a great time. Lisa is working on children's books, when she has time. I'm still working for Sargent & Lundy and racking up lots of frequent flier miles to energy plants.

Justin W. Hiller, '94, My wife Pam and I now live in Columbia, MO.

Kirk A. Kreisel, '95, and Rebecca "Becky" Wakely were married in December 1995 in Orlando, FL. Since then, they have lived in Charleston, SC and Newport, RI. Kirk is a lieutenant in the Navy and is stationed on the aircraft carrier *USS Abraham Lincoln*, where he serves as a nuclear qualified officer. Becky is employed

as a computer programmer at a medical research company in Seattle. They currently live in Everett, WA, with their dog, Belle.

Peter G. Laky, '94, To the entire staff of the Nuclear Engineering Department: I am continually impressed with the way the department has stayed ahead of the developing trends in all technologies, including computing technologies. I thoroughly enjoyed working with the fantastic faculty and felt that I could always cruise into Dr. Tsoufanidis', Dr. Edwards', Dr. Mueller's or any of the wonderful faculty and admin. offices and be recieved with an enthusiastic professional who WANTED to answer my question and help me towards a solution. If I am accepted back to West Point as a returning senior faculty member, I will try very hard to

bring the spirit of the Nuclear Engineering Dpt. at UMR Rolla to our department at West Point. Thanks! PS: As an Army guy moving on the average every 2 years, I've been escaping Phonathons. Get me this Year!

Jan R. Lojek, '69, I continue as project manager at Framatome Cogema Fuels and manage ANO-1 and Davis-Besse fuel contracts. In August 1997 we were able to extend the fuel contract for D-B through 2006 after winning a competitive bedding situation. We continue to live in Lynchburg, VA and our two boys attend the U. of Virginia.

Thomas D. Radcliff, '80, I'm currently an assistant professor in the mechanical engineering department at

the University of Akron. Still doing nuclear work occasionally, with a patent expected soon on an incore power sensor I've invented.

Lisa (Stiles) Shell, '94, It has been a busy year! In May, Jim and I were married in St. Louis. I finished my MS at MIT in August and moved to Virginia to spend a year working at the Sunny Nuclear Power Plant before I head back to Washington, DC and rejoin the Defense Nuclear Facilities Safety Board. Jim is stationed in Norfolk and we live in Chesapeake, Virginia.

Good to hear from all of you!

Tell Us What's New with You and Your Family!

We would love to include more news about our alumni in the *Gamma Gazette*. Please send us any changes of your home or business address as well as an update on your accomplishments.

Name: _____

News to Share: _____

The Nuclear Engineering department would like to thank and acknowledge the following alumni, friends and companies for their generous contributions between October 5, 1997 and September 3, 1998.

GIFTS LESS THAN \$100

Aceil, Smaeil M '84
Ballinger, Clinton Troy '87
Bartlett, Bruce Loren '80
Beck, Robert Lee '93
Blase, John J '74
Blondin, Dennis G '74
Cadwallader, Lee C '81
Carter, Mark D '80
Covey, Mark Kevin '82
Cragg, Christopher D '85
Cypret, Orville W '74
Daily, Charles Ramon '83
Davis, Briana Lynn '92
Edwards, Kevin B '89
Hart, Charles M '86
Hiller, Justin William '94
Hinton, William K '76
Holland, Timothy E '91
Holt, Dirk D '80
Jacobs, David C '62
Justis, Paul Glenden '85
Kalter, Charles J '72
Kossina, Paul G '77
Kreisel, Kirk Andrew '95
Kuspa, John P '72

Langhorst, Susan M '76
Lee, Darrell R '76
Leong, Melvin Ricky '84
Lewis, Jeffery L '76
Lojek, Jan R '69
McDaniel, William Jason '96
Meyer, MaryJo B '87
Nelson, Christine Anne '83
Reid, Billy W '77
Rickard, Donald Edward '85
Sakowicz, Paul Michael '93
Sautman, Mark Thomas '91
Schumer, Joseph Wade '92
Shelton, Dale Alan '85
Shrestha, Bijaya '95
Singer, Richard J '75
Steinmetz, Keith Alan '94
Taber, Brian Keith '91
Wahler, Vincent C '65

GIFTS \$100 OR MORE

Aguilar, Omar Ivan '85
Barkalow, Thomas W '74
Bobnar, William B '75
Browning, Jimmy J '85

Burchill, William E '64
Buth, Donald James '85
Croessmann, Charles '81
Daily, Charles Ramon '83
Easson, Sheldon A '75
Eastburn, Michael R '67
Ferguson, Phillip Dean '88
Flynn, Darrell C '79
Ford, Michael John R '88
Garner, Harold R '76
Hayward, Robert L '75
Kinn, Gregory Scott '87
Kumar, Arvind S
Liao, Yonkai '92
Lilleston, Richard N '79
Moffett, Donald L '74
Mueller, Gary E '76
Phillips, Katherine Ann '90
Pickard, Rodney Galen '95
Radcliff, Thomas D '80
Schnell, Donald F '86
Simpkins, Alice Ann '89
Smith, Jeffery Joel '87
Suwal, Gajendra M '76
Tibbitts, Dean L '73
Tsoulfanidis, Nicholas

The following corporations made gifts to the Nuclear Engineering Department during the same time period.

AmerenUE
American Electric Power Company Incorporated
Carolina Power & Light Company
Entergy Services Incorporated
Lockheed Martin Corporation
Pennsylvania Power & Light Company
Virginia Power
Westinghouse Foundation

The gifts received by the department from individuals totals \$6,690.

The matching gifts received by the department from corporations totals \$1,025.

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**Phonathon
October 5 - 9, 1998.**