

THE MOMENT

Cecil T. Lobo ASCE Student Chapter of Rose-Hulman Institute of Technology

McEwen Selected as One of Nation's Top Civil Engineering Students by CE News Magazine

Rose-Hulman Institute of Technology senior Spring McEwen has been selected among the nation's top civil engineering students in CE News magazine's annual Star Students issue. Profiles of 40 students from the nation's top engineering colleges and universities were featured in the December issue. The Star Students represent the future of the civil engineering profession, according to CE News Project Director Holly Bradley.

McEwen, a native of Greenville, S.C., specializes in structural design after being an engineering intern and assistant drafting coordinator for Metromont Prestress (S.C.) during the past three summers. She also has gained experience in working with AutoCAD, Excel, MathCAD and some engineering software programs.

At Rose-Hulman, McEwen has been vice president of the Cecil Lobo student chapter of the American Society of Civil Engineers, president of the Delta Delta Delta sorority and was a member of the varsity women's soccer team. She received the college's Cecil T. Lobo

Scholarship, based on scholastic performance; ASCE Alumni Award, based on dedication and service to the civil engineering profession; and Student Government Association Leadership Award, based on community service. She maintains a 3.71 grade point average (out of 4.0).

"These students' resumes read like a human resources department's wish list," Bradley noted. As part of the Star Student program, CE News will make McEwen's resume available to many of the nation's top civil engineering companies.

This marks the third straight year that a Rose-Hulman student has been selected as a Star Student by the national magazine. Other colleges having students on this year's list include Georgia Institute of Technology, Northwestern, Carnegie Mellon, Duke, Purdue, Illinois, Michigan and Rice.

Courtesy of Rose-Hulman

Membership

Do you enjoy all of the food that you get every month at the ASCE meetings? Well if you do, then we need some money to keep having those meetings. It is that time to renew your membership in ASCE. To renew your Cecil T. Lobo chapter membership, all you need to do is stop by the civil office to see Kathy and give her ten bucks. It is that easy. Now here is the other part of the offer. If you are not a member of ASCE and want in on the free food and other stuff that ASCE has to offer such as field trips and service projects, stop by the office and fill out a card with Kathy. First time membership is only fifteen dollars. Now is a great time for Freshmen and Sophomores to sign up and get involved with Civil Engineering. Start getting the benefits of ASCE now.

Contributed by Mike Reeves

Annual Report

Every year our chapter is judged against other student chapters throughout the country. ASCE does this by scoring our chapter based on a set of criteria and then comparing our chapter to others. We let ASCE know what we did throughout the year by writing an annual report. The final duty of the previous year's secretary and president, the annual report is a compilation of events, meetings, presentations, as well as vital statistics about our chapter. The 2003 annual report, written by Sarah Bireley (2003 secretary) and Brad Pickering (2003 president), was mailed on February 12 to ASCE. Results will be announced early next fall.

Contributed by Brad Pickering

The Importance of ASCE Membership

A mark of a true professional is membership in a professional/technical society. The American Society of Civil Engineers - ASCE - is the society that represents professional Civil Engineers.

As a Civil Engineering student I believe it is critical for you to begin the progression from student to professional engineer by becoming a member of the **RHIT Cecil T. Lobo Chapter of the American Society of Civil Engineers**.

For Rose CE students ASCE is the "umbrella group" that ties together all of the activities and functions that enhance your formal educational process: field trips, community service projects, continuing educational opportunities, guest speakers, as well as social activities. I find it hard to believe that a Rose CE student, who will spend in excess of \$40,000 per year for his/her formal education, yet would choose not to belong and actively participate in the one technical organization that will set the stage for the next 40 -45 years of their professional career.

ASCE membership, either as a student or as practicing engineer, provides you with many benefits.

The primary advantage of membership is the relationships that you will establish with your profession and your professional peers.

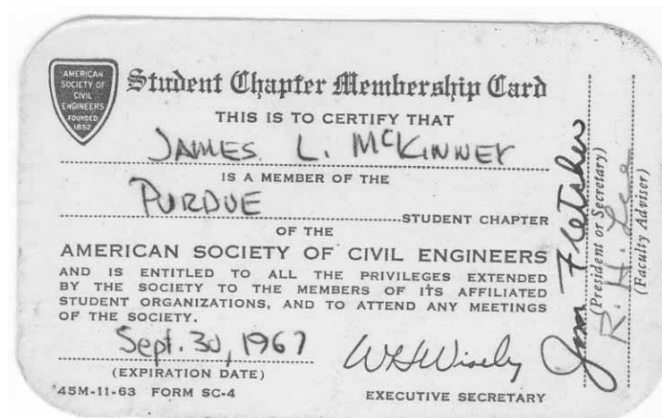
Continuing education is essential to upgrading your engineering skills - ASCE provides a number of convenient paths to develop your technical abilities.

Networking is another valuable benefit of ASCE membership. Your success as a practicing engineer is dependent on your network of associates, peers, clients and employers. What better place to be exposed to these constituencies than through active participation in ASCE events.

ASCE also provides you with the opportunity to participate in technical committees and society leadership positions at the local level, as well as the national/international level. Active participation can certainly lead to increased opportunities for your company, as well as your own professional development.

I believe in ASCE membership and participation. I have been a member since I was Sophomore Civil Engineering student (yes 35+ years!!). I have found my association to be very worthwhile and rewarding. I am proud to be an ASCE Member - I continue to be Civil Proud!

Contributed by **James L. McKinney PE**
Member, ASCE



FE Review Sessions: In Session!

The ASCE Student Chapter is sponsoring review sessions for the upcoming Fundamentals of Engineering Exam for all CE seniors. The exam is on Saturday, April 17, and ten sessions will be held between now and then.

The Chapter is providing soda and snacks, and the professors of the Department are leading the sessions in O229 during the afternoon.

They're all scheduled to avoid conflicts in the senior schedules, so there's no reason not to attend.

Don't miss your chance to get a leg up on the FE. It's coming sooner than you think!

Contributed by Andrew Twarek

March						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10 6 th and 7 th R.J.H. - Water Distribution / Hydraulics / Sewer Design	11	12 7 th and 8 th KOS - Reinforced Concrete Design	13
14	15 7 th and 8 th MUT - Dynamics	16	17	18	19 7 th and 8 th KOS - Geotechnical Engineering	20
21	22 7 th and 8 th MUT - Thermodynamics	23	24	25	26 7 th and 8 th J.H.H. - Structural Steel Design	27
28	29 7 th and 8 th J.H.H. - Structural Analysis	30 8 th and 9 th J.L.M. - Transportation and Surveying	31			

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April						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
	← SPRING →					BREAK
11	12 7 th and 8 th MAR - Water / Waste Water Treatment	13 8 th and 9 th J.L.M. - Construction	14	15	16	17
						FE EXAM
18	19	20	21	22	23	24

2004

Below: Freshmen and sophomores getting advice from upper-classmen. Picture contributed by Dr. McKinney.



CE Internship Fair

The 1st Annual CE Internship Fair was held on Wednesday, February 4, 2004 from 12:15-1:15 p.m. Dr. McKinney made a short presentation to the freshman and sophomores that highlighted interview preparation, execution, and follow-up, discussed effective utilization of Career Services and CE Department resources, and introduced the Alumni Directory. Once Dr. McKinney's presentation was complete, the freshman and sophomores had a chance to interact with juniors and seniors to discuss previous internships and job hunting skills. As an added bonus, everyone had the opportunity to feast on free pizza and drinks provided by ASCE and the CE Department!

Contributed by Cory Howell

Funnies: Redneck Engineering Exam

1. Calculate the smallest limb diameter on a persimmon tree that will support a 10 pound possum.
2. Which of the following cars will rust out the quickest when placed on blocks in your front yard?
66 Ford Fairlane, 69 Chevrolet Chevelle, or 64 Pontiac GTO
3. If your uncle builds a still that operates at a capacity of 20 gallons of shine per hour, how many car radiators are necessary to condense the product?
4. A pulpwood cutter has a chain saw that operates at 2700 rpm. The density of the pine trees in a plot to be harvested is 470 per acre. The plot is 2.3 acres in size. The average tree diameter is 14 inches. How many Budweiser Tallboys will it take to cut the trees?
5. If every old refrigerator in the state vented a charge of R-12 simultaneously, what would be the decrease in the ozone layer?
6. A front porch is constructed of 2x8 pine on 24-inch centers with a field rock foundation. The span is 8 feet and the porch length is 16 feet. The porch floor is 1 inch rough sawn pine. When the porch collapses, how many hound dogs will be killed?
7. A man owns a Tennessee house and 3.7 acres of land in a hollow with an average slope of 15%. The man has 5 children. Can each of the children place a mobile home on the man's land?
8. A 2-ton pulpwood truck is overloaded and proceeding 900 yards down a steep grade on a secondary road at 45 mph. The brakes fail. Given the average traffic loading of secondary roads, what are the chances that it will strike a vehicle that has a muffler?
9. A coal mine operates a NFPA Class 1, Division 2 Hazardous Area. The mine employs 120 miners per shift. A gas warning is issued at the beginning of 3rd shift. How many cartons of unfiltered Camels will be smoked during the shift?
10. At a reduction in gene pool variability rate of 7.5% per generation, how long will it take a town that has been bypassed by the interstate to breed a country-western singer?

Upcoming Events

- High School Science & Engineering Visitation Day
Wednesday, March 17
- Student Chapter Monthly Meeting
Friday, March 19 (4th hour)
- Midwest Mole Field Trip (Indy)
Wednesday, March 24
- Concrete Bridge Field Trip
Tuesday, March 30
- Indiana Section Meeting
Thursday, April 1

- National Daniel W. Mead Student Paper Competition
Thursday, April 15
- FE Exam
Saturday, April 17
- SCE Student Regional Conference
Thursday-Saturday, April 29-May 1
- ASCE Golf Tournament
Saturday, May 22

Did we forget something? Please contact an ASCE officer to contribute items to include on our calendar.

**To Expose Students and the Community to Civil Engineering through
Service and Education**

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We're on the Web

<http://www.rose-hulman.edu/ce/asce.htm>