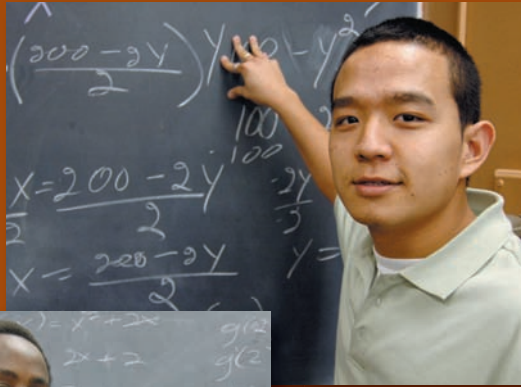


Looking forward

TWO NEWLY AWARDED GRANTS to St. Olaf College will help open career paths for traditionally underrepresented students. A National Science Foundation S-STEM (Scholarships in Science, Technology, Engineering and Mathematics) grant will support a program called "Biologists for the Future" that encourages students to pursue careers in biology. The second grant, a TRIO/McNair grant through the U.S. Department of Education, will support a program designed to spur students to pursue teaching careers in higher education. Aimed at first-generation, low-income and underrepresented students, the grants together enhance the college's continuing efforts to promote diversity.

Existing St. Olaf programs include an NSF S-STEM grant that began this academic year. Called "Encouraging Careers in the Mathematical Sciences," the grant includes scholarship support for 12 to 15 mathematics majors from traditionally underrepresented groups or who demonstrate the greatest financial need and who are interested in pursuing careers in the mathematical sciences.

"Biologists for the Future" and "Encouraging Careers in the Mathematical Sciences" are part of the NSF S-STEM initiative that seeks to increase study in the fields of science, technology, engineering and mathematics. The program was established by the NSF in accordance with the American Competitiveness and Workforce Improvement Act of 1998 and reflects the national need to increase the number of American scientists and engineers.



TENZIN CHOERAP '10 (ABOVE) AND IAN GACHERU '10 (LEFT) ARE AMONG THE FIRST ST. OLAF STUDENTS TO BENEFIT FROM THE NEW NSF S-STEM MATHEMATICS GRANT.

stolaf.edu/news

Sustainable living

In Buntrock Commons, carpet tiles are used for high-traffic areas. When one piece is damaged, it can be replaced without redoing the entire floor, and the removed tile is recycled.

The slate floor was chosen for its strength and durability and can easily handle grating chairs, the tracked-in grit of the spring thaw, and the wet mud of summer. A broom and soapy water will clean it. No chemical treatments, sealing or finishing is necessary.

The Commons, like many other campus buildings, has a slate roof. It costs more initially, but slate roofs better withstand rough Minnesota weather and last more than 100 years.

stolaf.edu/green



Volleyball: St. Olaf was 13-10 and 5-6 in league play, missing the six-team MIAC play-offs by a game. The Oles, led by first-year standout Kim Smisek, won seven of their last nine games with two wins coming against ranked opponents.

Men's Cross Country: St. Olaf was fourth at the MIACs and sixth at the NCAA Central Region Championships. The Oles had one qualifier, David Swanson '08, for the NCAA Division III Championships. Swanson finished in the top 40 percent at the NAAs.

Women's Cross Country: St. Olaf was third at the MIACs, fifth at the NCAA Central Region Championships, and 30th at the NAAs. The NCAA appearance was the team's 16th in school history, which ranks eighth among Division III institutions.

stolaf.edu/athletics

Women's Golf: Britta Hendrickson '09 shot a final round 82 to finish fourth at the three-day MIAC Championships, helping St. Olaf to third at the event.

Men's Soccer: St. Olaf reached the MIAC Playoffs Championships game for the first time in the five-year history of the event. The Oles, who finished the season 11-9, reached the league finale by ousting top-seeded Carleton 1-0 in the semifinals.

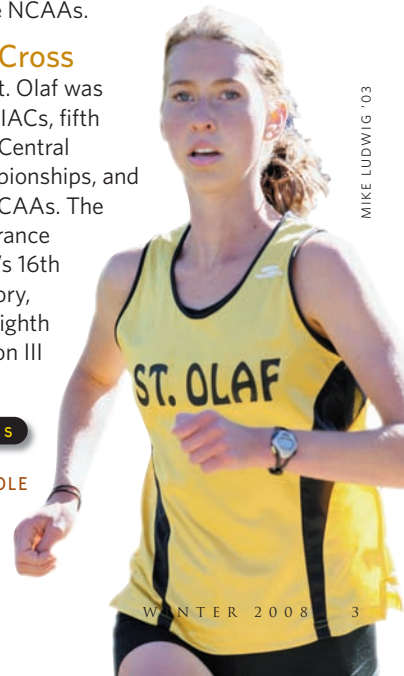
Women's Soccer: St. Olaf was 3-6-2 in MIAC play and 3-12-3 overall. The Oles played the fourth-toughest nonconference schedule in the country, which featured three NCAA qualifiers and eventual national champion Wheaton.

► AT THE 25-TEAM ST. OLAF INVITATIONAL IN SEPTEMBER, THE OLE WOMEN'S CROSS COUNTRY TEAM FINISHED SECOND AS A TEAM, WHILE JENNA CARLSON '09 (RIGHT) FINISHED FIFTH OVERALL.

A Stellar Season for St. Olaf Athletics

Football: The Oles had their third straight 8-2 campaign and were ranked as high as 13th in the D3Football.com poll and 15th in the American Football Coaches Association poll. St. Olaf finished the season with the nation's third-best scoring offense, fourth-best offense in yards and a league-high 11 All-MIAC picks, led by Third Team All-America selection Horace Gant '08. Gant set school records for career receptions (185), receiving yards (3,061), touchdowns (27) and single-season receiving touchdowns (12). St. Olaf is 31-9 since 2004.

Men's Golf: St. Olaf had all five players shoot 78 or better in the final round to finish fourth at the MIAC Championships.



MIKE LUDWIG '03

Winter on Manitou Heights can be long and cold, but here are some things resourceful Oles like to do once the snow starts to fly...

WINTER



on the HILL

DON BRATLAND '87

"Tray" down Old Main Hill.

Grill outside.

Play snow football on the Mellby Hall lawn.

Build snow sculptures outside Boe Memorial Chapel.

Listen to the wind chimes of the Memorial Tower.

Climb the rock wall in Tostrud Center.

Play Hide & Seek in Buntrock Commons.

Study on the fifth floor of Rølvaag Memorial Library, looking out over Manitou Field toward Northfield.

Check out snowshoes from STORP and tramp through the trails.



"BIKE HIBERNATION" PHOTO BY KATHERINE PARENT '09

Inform, educate, inspire

Expanding Oceans, an exhibition by textile artist Mary Edna Fraser and scientist Orrin Pilkey, explores the major elements of global climate change with an emphasis on melting ice and rising seas. *Expanding Oceans* opens March 15 in the Flaten Art Museum.

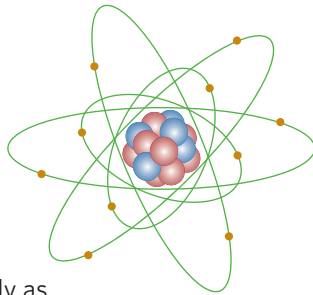


KATRINA, BATIC BY MARY EDNA FRASER

stolaF.edu/depts/art/museum

PRACTICAL Positrons

Physics and mathematics major Daniel Endean '09 (below), one of three students selected nationally as



a Rossing Physics Scholar

by the ELCA Foundation, focuses his research on positron beams.

"Positrons, it turns out, are excellent probes for determining how big holes are inside a material," explains Endean.

"Polymer engineers, semiconductor manufacturers and many other material scientists are very concerned about the size of microscopic holes in their materials. Using positrons, we are able to tell if the holes in a piece of material are 10 atoms or 10,000 atoms wide. This may not seem significant for building a Tupperware container but in a computer chip where the wire may only be 1000 atoms across, the size of holes in the wire has a great impact on the circuit's performance."



BILL KELLEY

10 Ways to Protect and Conserve Groundwater

Contamination is an ever-present threat to groundwater. What difference can one person make? A lot! Here's what you can do:

1. Dispose of chemicals properly.
2. Take used motor oil to a recycling center.
3. Limit amounts of fertilizer.
4. Take short showers.
5. Shut water off while brushing teeth.
6. Run full loads of dishes and laundry.
7. Check for leaky faucets and have them fixed.
8. Water outside only when necessary.
9. Keep a pitcher of drinking water in the refrigerator.
10. Teach others about groundwater.

Source: *The Groundwater Foundation* (see page 37).



POSTCARDS from the MIDDLE EAST

Each year, hundreds of St. Olaf students take advantage of International and Off-Campus Study programs, including Global Semester, Term in Asia, and Term in the Middle East based in Turkey, Morocco and Egypt.

The St. Olaf Term in the Middle East, which has existed for more than 30 years, was re-designed in 1989 to offer students a fuller sense of the diverse character of this ancient and dynamic part of the world.

stolaf.edu/international

Here I am with the Sphinx and pyramids in Giza, just outside of Cairo. The highlight of my study abroad is experiencing the culture through my adventures around Cairo. About one afternoon a week I choose a new area of Cairo and just wander around. I meet people, play with kids, browse shops... just experience the culture as I get lost. It's a lot of fun and always an adventure. — STEVE



Stephen Alexander '08 is studying Egyptology and art history (Islamic and Ancient Egyptian) at the American University in Cairo.

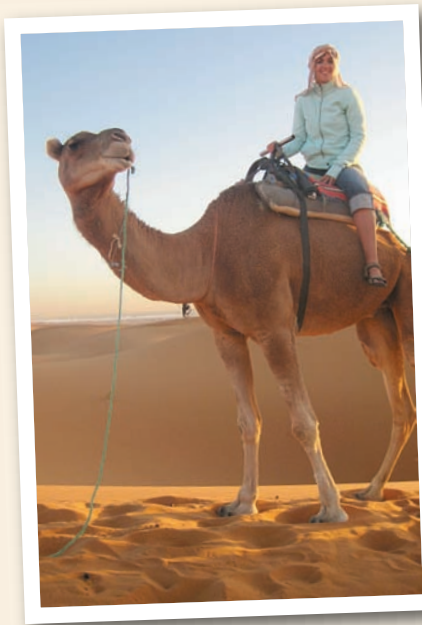
AT MY HOST HOME in FEZ - I stayed with a host family in Fez, Morocco for three weeks. Goodness did I get emotional when the time came to say goodbye, mostly because I was leaving my host mom, Bouchra, and her family. My favorite memories in Fez will be cooking dinner each night and the impromptu jump rope contest that we had on the last night.



DANCING - For one week we volunteered at a boarding house for young girls. They knew essentially no English. We knew essentially no Moroccan. The first day, in desperation, we broke out camp songs and the Hokey Pokey for them. We were a HIT! They loved it so much the next night they performed tribal dances for us. Before long we had all joined in and the evening took on the nature of a Middle School dance. — SARAH



Religion major **Sarah Meyer '08** just returned with her group from the St. Olaf Term in the Middle East.



ME and HUMPHREY, my Camel. Humphrey had the pleasure of seeing me at my favorite time of day: 5:45 A.M. We proceeded to go cruisin' into the dunes of the Sahara as the sun rose. — SARAH

P.S. I just found out some bad news: While 'Sarah' in Moroccan Arabic means 'happiness,' our Egyptian language professor told us that it means 'salty fish' in Egyptian Arabic. Our guide in Luxor had told me that it meant 'daughter of Pharaoh.' Who to believe is obvious.



Our final stop on a 10-hour bus ride in central Anatolia was a stunning view of the sunset and the moonrise at CAPPADOCIA, which is sometimes called "the Grand Canyon of Turkey."