

Campus News

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Case to enhance campus climate for women

by Susan Griffith
(susan.griffith@case.edu)

With a prestigious grant from the National Science Foundation (NSF), Case Western Reserve University will be setting the national standards for work environments that promote women in science and engineering.

Case, in collaboration with Lubrizol Corp. and Fisk University, will use the five-year, \$3.5 million NSF ADVANCE Institutional Transformation Award to implement a plan to advance women in science and engineering and to enhance diversity at the University.

This innovative "blueprint" will become a national model, called Academic Careers in Engineering and Science (ACES), for how research universities can recruit and retain

women scientists and engineers.

"Findings from the program will inform other universities about how to tackle the problem of the leaky academic pipeline, which leads to the loss of talented women faculty in science and engineering," said Lynn Singer, interim provost and Case's ADVANCE project director.

ACES' goal is to increase women faculty in the sciences and engineering by 20 percent in the next five years.

For the past five years, the number of women scientists at Case has remained at 22 percent of the faculty. Women students comprise 37 percent of enrollment, while the national average is 55 percent.

The two-phase ACES plan impacts 29 departments across campus and entails

cooperation from all levels of Case's leadership.

President Edward M. Hundert said he is committed to seeking support for five endowed professorships to attract senior women faculty in science and engineering. The commitment for the chairs totals more than \$10 million.

ACES annually will fund 10 distinguished lectureships for visiting women scientists and engineers. These lecturers will be on campus for one to two weeks and will give numerous talks.

"The ADVANCE award enables the University to employ a range of incentives and resources to stimulate university-wide change," Singer said.

In Phase I—the first two years of the

project—four test departments will undergo intensive change. The deans, associate deans, department chairs and women faculty in the departments of chemistry in the College of Arts and Sciences, mechanical and aerospace engineering in the Case School of Engineering, physiology and biophysics in the School of Medicine and organizational behavior at the Weatherhead School of Management will receive coaching to set goals and to map out action plans.

In the test departments, all women faculty members will have a three-member mentoring team—comprised of a senior department faculty member, an external mentor from the faculty member's field and a senior faculty member from a related

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case school of Engineering



photo by Marci Hersh

Instant replay

Bill Memberg, senior biomedical engineer and president of Replay for Kids, a nonprofit organization that repairs and adapts toys for children with disabilities, works to repair an adapted toy Frankenstein while Tickle Me Elmo and Barney wait their turn. Replay for Kids conducts monthly workshops on campus that are open to anyone who wishes to participate. For more information visit <http://www.replayforkids.org>.

school of Dentistry

'Superclot' therapy tested as repair for periodontal disease

by Susan Griffith (susan.griffith@case.edu)

Researchers at the Case Western Reserve University School of Dentistry are testing a "super blood clot" that will potentially spur regeneration of lost bone, gum and connective tissues damaged by periodontal, or gum, disease.

Jose Arauz-Dutari, principal investigator and a Case assistant professor of periodontics, along with Judith Ablaza and Nabil Bissada, co-investigators on the dental school faculty, are recruiting 30 patients for a nine-month pilot clinical trial in which a super clot derived from approximately two tablespoons of the patient's blood will be surgically implanted into his or her diseased gums.

The blood sample, taken before periodontal surgery, is separated into platelet rich plasma overly saturated with undifferentiated platelets—more than 1,000 to 10,000 times that of a normal blood clot. Platelets, which are known to be present in clotting, are an important element in the initial phase of wound healing, according to Arauz-Dutari.

After the clot is surgically implanted, its high concentration of growth factors takes signals from diseased areas of the gums and spurs the undifferenti-

ated cells in damaged areas to grow into the appropriate tissue or bone necessary for repair.

Arauz-Dutari said different materials from human donor, porcine or bovine tissues or synthetic and Teflon materials have been used to rebuild lost bones and gums since the early 1980s, but the results have varied and are not always predictable.

In the conventional treatment for gum disease, a periodontist will remove the plaque and calculus, or tartar, deposits from the teeth and roots by scaling or scraping off the diseased areas. Surgery is sometimes needed in damaged areas that are not easily accessible. Even after scaling, Arauz-Dutari said defects and pockets can remain that are more susceptible to additional bacterial infections, which typically require periodontal surgery to correct.

In their double blind study, the Case researchers will monitor a control group treated with the conventional therapy of scaling and surgery in addition to the experimental super clot group. The investigators will follow patients and, through examinations and x-rays, will determine the effectiveness of the super clot treatment at two weeks and at three, subsequent three-month intervals. To learn more, call 368-0879.

New undergraduate initiatives underway

Case Western Reserve University has awarded nearly \$1 million to undergraduate initiatives—including enhanced chemistry and engineering labs, service learning opportunities in modern languages and a variety of new interdisciplinary programs—to help implement recommendations from the President's Commission on Undergraduate Education and Life (PCUEL).

The PCUEL report suggested Case could best serve students and aspire to national and global leadership by organizing undergraduate educational and extracurricular programs around the philosophy "Education Through Experience." Experiential education also is one of the main tenets

of the University's new vision.

This is the second year for PCUEL funding.

With the largest award given this year, \$500,000, the chemistry department in the College of Arts and Sciences will transform its upper-division undergraduate laboratories into state-of-the-art facilities. With the addition of new equipment, new experimental exercises in mass spectrometry, separation sciences, surface chemistry, photophysics and chemical kinetics will be added to analytical and physical chemistry courses.

A \$150,000 award will enhance the undergraduate laboratory experience in the Case School of Engineering by upgrading the

Glennan 308 circuits laboratory and integrating the laboratories for and teaching of chemical, materials and macromolecular engineering courses.

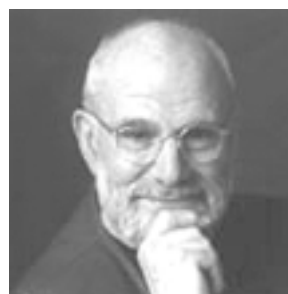
With a \$78,000 grant, the Center for Music and Technology will expand the size of its facility and add equipment, software and other resources to improve technology-based teaching and learning, particularly for undergraduates studying music education and audio recording. Updated tools also will allow students and faculty to develop more sophisticated digital media projects.

In collaboration with the Office of Student Community Service, the department of modern languages

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Best-selling author to speak today during fall convocation

Oliver Sacks, a best-selling author hailed as "the poet laureate of medicine," by the *New York Times*, will be the featured speaker



Oliver Sacks

at Case Western Reserve University's 2003 Fall Convocation at 4:30 p.m. today in Severance Hall. The program will be followed by a celebration on Freiburger Field.

A clinical professor of neurology at the Albert Einstein College of Medicine and adjunct professor of neurology at the New York University School of Medicine, Sacks has written more than 30 books, including "The Man Who Mistook His Wife For A Hat" and "Awakenings," a book that

inspired the 1990 film of the same name starring Robin Williams and Robert DeNiro.

Sacks also wrote "An Anthropologist on Mars," the assigned book this year in the summer reading program for incoming Case freshmen.

Calendar

The deadline for submissions to each issue of *Campus News* is 10 days prior to the publication date. Please check the deadline schedule at <http://www.case.edu/pubs/cnews/0304pubs.htm>.

Submit your items to the University and *Campus News* calendars online at <http://www.case.edu/CWRUEvents/>, or submit items only for the *Campus News* calendar to Maria Wolf via e-mail at mew15, via voice at 368-4440 or in person or via campus mail to 14 Adelbert Hall LC: 7017.



Seminars, meetings & conferences

Wednesday, September 3 . . . Conversations in Bioethics: "Current Ethical Controversies in Internal Research," Ruth Macklin. Pizza and soft drinks provided. RSVP no later than noon, Tuesday, September 2. E501 School of Medicine, 12:05 p.m. Contact: 368-6196 (jer12).

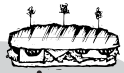
Thursday, September 4 . . . Biochemistry Seminar: Glycosylphosphatidylinositol Anchoring in Yeast and its Relationship to the other Cellular Activities," Peter Orlean. E501 School of Medicine, noon. Contact: Sakeenah Bari-Harold, 368-3334 (sxb84).

Monday, September 8 . . . Biochemistry Literature Seminar: "Transcriptional Regulation of Uncoupling Protein," Colleen Kloczek Nye. Adviser: Richard Hanson. E501 School of Medicine, noon.

Tuesday, September 9 . . . Pharmacology Seminar Series: TBA. Timothy Kern. W344 School of Medicine, noon. Contact: Jackie Martin, 368-4617 (jxw65).

Wednesday, September 10 . . . Diversity Awareness Workshop. Registration required. 13 Crawford Hall, 9 a.m. to 1 p.m. Contact: Tina Filsinger, (bjf).

Thursday, September 11 . . . Biochemistry Seminar: "Trafficking of G Protein-Coupled Receptors: Do Arrestins Shepherd the Flock?" Vsevolod Gurevich. E501 School of Medicine, noon. Contact: Sakeenah Bari-Harold, 368-3334 (sxb84).



Lunchtime meetings

Friday, August 29 . . . Public Affairs Discussion Group. Max Mehlman on malpractice insurance. Beverages provided. Bring your lunch. 13 Crawford Hall, noon. <http://www.cwru.edu/artsci/cps/PADG.htm>. Contact: Jeff Bendix, 368-6010 (jxb34).

Tuesday, September 2 . . . Evolutionary Biology Brown Bag Seminar: "Evolution of West Nile Virus in Cleveland, Ohio," Peter Zimmerman, Charles King and Joseph Koonce. Bring your lunch. Coffee and tea will be provided. Dampier Room,

Kelvin Smith Library, 11:30 a.m. Contact: Cynthia Beall, (cnb2).

Friday, September 5 . . . Public Affairs Discussion Group. Frances E. Lee on her year as a congressional fellow in the U.S. House and Senate Beverages provided. Bring your lunch. 13 Crawford Hall, noon. <http://www.cwru.edu/artsci/cps/PADG.htm>. Contact: Jeff Bendix, 368-6010 (jxb34).

Friday, September 5 . . . Center for Women 2003-2004 Staff Brown Bag Lunches. All are cordially invited. A place for networking, socialization and support. No special agendas are planned. 303 Thwing Center, noon. <http://cwru.edu/provost/centerforwomen/index.html>.

Wednesday, September 10 . . . University Women's Book Club: Discussion on the book "Honor Lost: Love and Death in Modern-Day Jordan," Bring your lunch. 720 Crawford Hall, noon. <http://www.cwru.edu/president/uwc/calendar.html>. Contact: Rosemary Alexander, 368-2008 (rka2).

Friday, September 12 . . . Public Affairs Discussion Group. Nathan Berger on inoculation of health care workers against rare diseases such as smallpox and anthrax as a counterterrorism measure. Beverages provided. Bring your lunch. 13 Crawford Hall, noon. <http://www.cwru.edu/artsci/cps/PADG.htm> Contact: Jeff Bendix, 368-6010 (jxb34).

Lectures



Thursday, August 28 . . . Chemistry Colloquium: "Metal-Catalyzed Regioselective Functionalization of Alkanes and Arenes," John F. Hartwig, Yale University. Refreshments: 4:15 p.m. 108 Clapp Hall, 4:30 p.m. Contact: Pat Eland, 368-3622 (pme2).

Thursday, September 4 . . . Chemistry Colloquium: "Progress in Glycoscience Research in Guo Lab at Case: From Complex Glycoconjugate Synthesis to Carbohydrate Cancer Vaccine," ZhongWu Guo. Refreshments: 4:15 p.m. 108 Clapp Hall, 4:30 p.m. Contact: Pat Eland, 368-3622 (pme2).

Thursday, September 11 . . . Chemistry Colloquium: "Small is Different: Some Interesting Shape-Dependent Properties of Material Confined to the Nanometer Size Scale," Mostafa El-Sayed. Refreshments: 4:15 p.m. 108 Clapp Hall, 4:30 p.m. Contact: Pat Eland, 368-3622 (pme2).



Dissertation defenses

Tuesday, September 2 . . . "An Evolutionary Analysis of Pericentromeric Duplications within Human 2p11," Juliann Horvath, genetics. Adviser: Evan Eichler. 105 Biomedical Research Building, 11:30 a.m.

Wednesday, September 3 . . . "An Across Contexts Com-

parison of Emotional Intelligence Competencies: A Discovery of Gender Differences," Beatriz Rivera-Cruz, organizational behavior. Adviser: Richard Boyatzis. 418 Peter B. Lewis Building, 10 a.m.

Friday, September 5 . . . "Substrate Phosphorylation of Beta-Adrenergic Pathway in Failing and Non-Failing Human Hearts: Identification and Overexpression," Cristian Ruse, physiology and biophysics, Adviser: Meredith Bond. E531 School of Medicine, 3:30 p.m.

Tuesday, September 9 . . . "Meeting the Needs of at Risk Infants and Toddlers: Service Coordination Practices in Home Visiting Programs," Susan Allen, social welfare. Adviser: R. Sue PearlMutter. 112 Mandel School of Applied Social Sciences, 2 p.m.



Concerts

Tuesday, September 7 . . . Case Music Department Concert Season Kick-off. Composer's Recital. Lisa Rainsong, soprano, performs her own compositions. Harkness Chapel, 7 p.m. <http://music.cwru.edu>. Contact: Pam Mittelstadt, 368-2400 (pdm3).



Film

Adults \$3, children 12 and under \$2, 10-film pass \$25, semester pass \$50. For more information visit: <http://films.case.edu/schedule.html>. Contact: Case Film Society, 368-2463.

Friday, September 5 . . . "Chicago." 7 p.m., 9:30 p.m. and midnight.

Saturday, September 6 . . . "The Lion in Winter." 7 p.m. and 10 p.m.

Friday, September 12 . . . "Bend it Like Beckham." 7 p.m., 9:30 p.m. and midnight.

Saturday, September 13 . . . "Y tu mamá también." 7 p.m. and 9:30 p.m.



Sports

For schedule changes and contest results visit: <http://www.case.edu/orgs/varsity/varsity.html>.

Friday and Saturday, August 29 and 30 . . . Volleyball @ Mount Union Tournament, TBD.

Saturday, August 30 . . . Men's and Women's Cross Coun-

try, Tri-Meet (John Carroll and Hiram), 10 a.m.; CWRU Alumni Race, 11 a.m.

Saturday and Sunday, August 30 and 31 . . . Kenyon College Classic: Women's Soccer vs. Kenyon College, noon; Women's Soccer vs. Ohio Dominican College, noon

Saturday, September 6 . . . Men's and Women's Cross Country, 3rd Annual Bill Sudeck Classic, 11 a.m.; Men's Soccer vs. Oberlin College, noon; Women's Soccer vs. Otterbein College, 1 p.m.

Wednesday, September 3 . . . Men's Soccer vs. John Carroll University, 4 p.m.; Women's Soccer @ Denison University, 4:30 p.m.; Volleyball @ Oberlin College, TBD.

Thursday, September 11 . . . Men's Soccer vs. Hiram College, 4 p.m.

Saturday, September 13 . . . Men's Soccer @ Muskingum College, 1 p.m.; Women's Soccer @ Muskingum College, 3 p.m.

Wednesday, September 10 . . . Women's Soccer @ John Carroll University, 4:30 p.m.

Friday and Saturday, September 5 and 6 . . . Volleyball @ Baldwin Wallace College Tournament, 2 p.m.

Tuesday, September 9 . . . Volleyball vs. Notre Dame College (OH), 7 p.m.

Friday and Saturday, September 12 and 13 . . . Volleyball: Case/John Carroll Tournament, 2 p.m.



Deadlines

Friday, September 5 . . . Drop/Add ends. Late Registration ends. Deadline Credit/Audit (UG).



Other events

Thursday and Friday, August 28 and 29 . . . Tau Beta Pi Book Swap. The Bookswap provides an opportunity for students to save money on their new course books, while making money on the sale of their old books. 102 Bingham 9 a.m. to 4 p.m. <http://bookswap.cwru.edu>. Contact: Scott Schmucker (bookswap).

Thursday, August 28 . . . CWRU Weight Watchers at Work Program. Information and registration meeting for a new 14-week program. Program begins September 4, Cleveland Room, Thwing Center, 11:30 a.m. Contact: Sara McIntyre, 368-3924 (sym2).

Thursday, August 28 . . . Earn While You Learn! "Work-Study Job Fair." Free for all Work-Study students Ballroom, Thwing Center, 11:30 a.m. to 1 p.m. Contact: Susan Alexander, 368-5556 (sla3).

Friday, August 29 . . . Last day to withdraw without financial penalty.

Thursday, September 1 . . . University Holiday.

FOR YOUR INFORMATION

Diner sets weekend hours

With the start of the new academic year, the Silver Spartan diner is extending its hours.

Beginning this week the diner will be open weekdays from 7 a.m. to 3 p.m. and 5 p.m. to 1 a.m. On weekends it will open at 9 p.m. and remain open for late night dining.

The diner will be open weekend days for special events such as football games. Weekend day openings and other information about the diner are posted on its Web site at <http://www.case.edu/finadmin/security/auxiliary/diner.htm>.

Fitness center changes owners

Ownership of One-to-One Fitness Center has been transferred to Case Western Reserve University from University Hospitals of Cleveland. It is anticipated that within the next few months, Case will assume full ownership and operation of the Center. The University does not foresee any alterations in One-to-One's policies, hours, membership dues, staffing or services as a result of the ownership change.

Cancer research grants offered

Pilot funding is available through the American Cancer Society Institutional Research for full-time junior faculty interested in conducting cancer research in basic, clinical, behavioral or epidemiological areas.

Junior faculty throughout the University are eligible as long as they have never received national grant support of their own other than postdoctoral fellowships.

One-year awards of up to \$20,000 are available for cancer research projects that

will be used to seek future independent grants.

Applications are due October 15. For details or an application, call Shirline Edwards at 844-8797 or e-mail swx12@case.edu.

ITS to launch MyCASE this fall

This fall, Information Technology Services is offering faculty, staff and students MyCASE, a personalizable Web portal with real-time access to information, including grades, degree audit reports, news, e-mail, calendars, courses, library check-out records, weather, a stock ticker and more.

Additional enhancements, including the ability to create portlets based on individual interests, are expected over the coming months.

Go to <http://my.case.edu> for details.

Faculty promotions listed online

A complete list of all faculty senior-level appointments and promotions, awards of tenure and emeritus appointments for fiscal year 2002-2003 is available in the online edition of Campus News at <http://www.case.edu/pubs/cnews/2003/8-28/appts.htm>.

MetroHealth to offer forums

MetroHealth Medical Center is hosting a National Institutes of Health (NIH) Forum as part of its annual Research Days September 12.

An administrators' breakfast and NIH update, which includes the September meeting of the School of Medicine Administrators Forum, will be from 8:30-9 a.m. in the east dining room at MetroHealth.

A faculty luncheon and NIH update is from noon to 1 p.m. in Rammelkamp Room 170 at MetroHealth.

David Mineo, chief grants management officer from the NIH National Institute of Diabetes and Digestive and Kidney Diseases, will present both updates.

All research administrators and faculty from Case, MetroHealth, University Hospitals of Cleveland, the Louis Stokes Cleveland Veterans Affairs Hospital, Cleveland Clinic Foundation and Cleveland State University are invited to attend.

RSVP to Marianne Ward at mward@metrohealth.org or 778-8526.

New bus route launched

RTA has launched the new University Circle/Heights Area Circulator route.

The bus route travels a 6.4-mile route through Shaker Square, Cedar-Fairmount, University Circle, Little Italy and Coventry. The Circulator also serves the Shaker Square and University Circle Rapid Stations.

RTA offers the service every 30 minutes from 7 a.m. to 7 p.m. Monday through Thursday; 7 a.m. to 11 p.m. Friday and 9 a.m. to 11 p.m. Saturday.

Fares, which can be paid as passengers board the bus, are 75 cents for a one-way ride or \$3 for an all-day pass.

For more information visit <http://www.universitycircle.org> or <http://www.riderta.com>.

Greek art exhibit on display

Jenifer Neils, CWRU's Ruth Coulter Heede Professor of art history, has helped organize the first major art exhibit exploring childhood in ancient Greece—The Coming of Age in Ancient Greece: Images of Childhood from the Classical Past—which will be on display at the Hood Museum of Art at Dartmouth College through December 14.

Following the exhibition at the Hood,

Coming of Age in Ancient Greece travels to the Cincinnati Art Museum in Cincinnati (May 1-August 1, 2004) and J. Paul Getty Museum in Los Angeles, Calif. (September 14-December 5, 2004). A smaller version of the exhibit with a special section on the Olympic Spirit can be viewed at the Onassis Cultural Center in New York City January 19-April 1, 2004.

Accompanying the exhibit is a fully illustrated catalogue published by Yale University Press. The prologue has been written by Jill Korbin, CWRU's associate dean in the College of Arts and Sciences and professor of anthropology.

During the research phase of exhibit, Neils received help from James Edmonson, CWRU curator of the Dittrick Medical History Center on nursing practices in antiquity.

Book group makes selections

The Center for Women Book Discussion Group had made reading selections for its meetings through the end of the year.

The group also has scheduled a meeting to discuss future selections. It is from noon to 1 p.m. October 2 in Crawford 720.

Books to be discussed over the next four months are "Crime in Question" by Margaret Yorke, September 10; "Honor Lost: Love and Death in Modern-Day Jordan" by Norma Khouri, October 1; "Delta Wedding" by Eudora Welty, November 5; and "Don't Let us Go to the Dogs Tonight" by Alexandra Fuller, December 3.

All meetings are from noon to 1 p.m. in Crawford 720, except for the September meeting, which will be in Crawford 14.

To learn more, contact Rosemary Alexander at rosemary.alexander@case.edu.

Cosmology program aspires to 'universal' leadership

by Susan Griffith
(susan.griffith@case.edu)

Case Western Reserve University's already world-class cosmology program is poised to become the universal leader in astrophysics with its new Center for Education and Research in Cosmology (CERCA).

To celebrate the opening of the new center, which will help further the public's understanding of researchers' evolving insight into the universe, Case is hosting an inaugural Kavli-CERCA Future of Cosmology Conference October 10-12—to be capped off with a rare appearance by Stephen Hawking, one

of the world's most influential astrophysicists.

In addition to his public address at 8 p.m. October 13 in Severance Hall, Hawking, the author of "A Brief History of Time"—the best selling science book of the 20th century—and the Lucasian Professor of Mathematics at the University of Cambridge, will receive the University's Michelson-Morley Award for his achievements in science.

In celebration of its opening, CERCA also will sponsor public talks by other world-renowned astrophysicists and cosmologists, including Steve Weinberg, the 1979 Nobel Laureate in physics and the Jack and Josey-

Welch Foundation Chair in Science at the University of Texas at Austin, who will speak at 7 p.m. October 9 at the Cleveland Museum of Natural History.

The inaugural Kavli-CERCA Future of Cosmology Conference is expected to draw nearly 100 of the world's top scientists who will discuss key questions researchers likely will face in the next 25 years of study in particle physics, astrophysics and cosmology.

"Scientists will not report solely on their own research findings but will be asked to address questions about future possibilities such as are there extra dimensions in the

universe and what tools astrophysicists and cosmologists need to push the frontiers of their science," said Lawrence Krauss, director of CERCA, chair of the conference organizing committee and Case's chair and Ambrose Swasey Professor of Physics and Astronomy.

Case will host the conference with support from the Kavli Institute, the National Science Foundation, the Department of Energy and the R.S. Morrison Foundation.

Established with seed funding from a Case Provost Opportunity Fund grant, CERCA is designed to enhance the world-class research

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Case highly ranked by U.S. News, tops in Ohio

Case Western Reserve University continues to be highly ranked among the nation's premier universities and remains the only Ohio institution among the top 50.

In the latest *U.S. News & World Report* rankings of academic quality, Case rated 37th among the country's top 50 doctoral institutions, the same ranking it received in 2002.

In its methodology of ranking national doctoral universities, *U.S. News & World Report* considers 249 universities—private and public—that offer a full range of undergraduate majors, plus master's degrees and doctorates, and emphasize faculty research. The magazine gathers data from each college on 16 indicators of academic excellence and uses seven indicators to measure academic quality—peer assessment, retention, faculty resources, student selectivity, financial resources, graduation rate performance and alumni giving rate.

In its rankings, the magazine also assesses the country's best national liberal arts colleges, emphasizing undergraduate education; universities that provide a full range of undergraduate and master's degree programs only; regional comprehensive colleges that offer only bachelor's degrees; and the best undergraduate business and engineering programs.

"I'm very proud that Case ranks among the best institutions in the nation, but we still have much work ahead," said President Edward M. Hundert. "It's not good enough to just be in the top 50. We strive to move up in the rankings year after year. If we are to become the world's most powerful learning environment, we welcome being judged as much by our weakest programs as by our strongest. To showcase our powerful educational experience, Case's faculty, staff and students must focus on the difference between good programs and those that are truly outstanding."

The magazine also gave Case's undergraduate programs high marks. The undergraduate biomedical engineering program within the Case School of Engineering ranked fourth. The Case School of Engineering itself ranked 38th out of 83 engineering schools in the United States.

The Weatherhead School of Management's undergraduate programs were ranked 27th out of 45 business schools that responded to the magazine's annual survey.

Student IDs good for free admission to Cleveland arts, cultural institutions

Case Western Reserve University students have a new passport to leisure-time activities around Cleveland. By presenting their Case student ID, they receive free admission to nine local cultural institutions and museums.

Free Access for Case Students is a new program, sponsored by the College of Arts and Sciences and the Office of Student Affairs, to enable students to explore Cleveland and share its wealth of cultural treasures during a study break, date or visit with the family.

Participating cultural arts organizations are: the Cleveland Museum of Art, Cleveland Museum of Natural History, Western Reserve Historical Society and Crawford Auto-Aviation Museum, Cleveland Orchestra, Rock and Roll Hall of Fame and Museum, Great Lakes Science Center, Cleveland Play House, The African American Museum and

Museum of Contemporary Art.

While general admission to the art museum is free, Case students also can visit special exhibits at no cost by presenting their IDs.

Free admission to Thursday evening performances and selected special concerts of the Cleveland Orchestra and free tickets to weekend performances at the Cleveland Play House will be available to students through a weekly drawing sponsored by the Office of Student Affairs.

Students may enter the drawings on Mondays and Tuesdays in person at 110 Adelbert Hall or via e-mail at orchestra@case.edu or playhouse@case.edu. The drawings will take place each Wednesday morning, with winners posted at noon, in the Office of Student Affairs.

For details, visit <http://www.cwru.edu/stuaff/freeaccess>.

Case teams with Motion to offer Tablet PCs

Case Western Reserve University's newest technology partnership is bringing the convenience of pen and paper to campus computing.

Case has entered into a four-year agreement with Motion Computing, in which the University and its Strategic Technology Alliance affiliates will collaborate on research, development and testing of Motion products, including the M1300 Tablet PC and accessories.

Tablet PCs run all the same applications and provide the same connectivity to the Internet as a desktop or laptop computer, but—in a major evolutionary step in computer functionality and usability—also allow a user to write directly on the screen.

Under the agreement, Case faculty, staff, students and affiliates are entitled to a 12 percent discount off of the list price of Motion Computing products.

Electronic ordering through the Case ITS eStores soon will be available. Meanwhile, go to <http://www.motioncomputing.com> to view Motion Computing products and then e-mail dwheler@motioncomputing.com to place an order.

school of Dentistry

Dental school to help take bite out of high school athletes' oral injuries

by Susan Griffith (susan.griffith@case.edu)

Case Western Reserve University's School of Dentistry is helping to take a bite out of oral injuries and concussions suffered by Cleveland high school athletes.

The dental school, teaming with the Cleveland Browns Foundation, has provided personalized, professional-grade mouth guards to the 31 members of Cleveland's East Technical High School football team. The mouth guards, each valued at approximately \$100, were given free to the students through a new pilot program at the dental school.

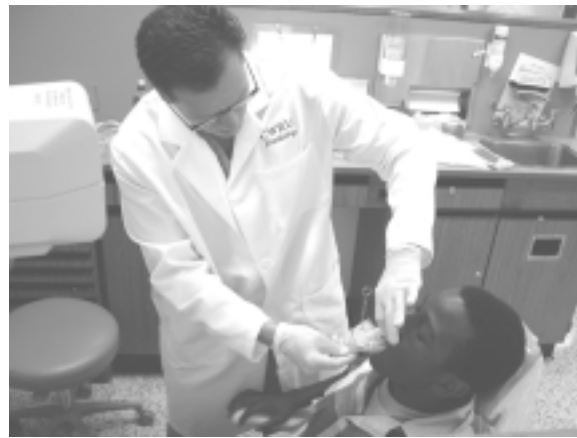


photo by Susan Griffith

Case dentists provided dental screenings to and took mouth impressions from the East Tech Scarabs in order to provide each player with a specially fitted mouth guard from Sportsguard Laboratories Inc. of Kent—the same mouth guards used by Browns' quarterbacks Kelly Holcomb and Tim Couch.

The mouth guard also is the same kind the Cleveland Cavaliers' LeBron James sported in a recent *Sports Illustrated* photo.

The mouth guards made for the East Tech athletes not only are crafted to fit each individual athlete but also come in school colors—brown and yellow for the Scarabs—and have each player's name—or nickname like Turbo, Smurf and Killa for a few of the high school teammates—inscribed and embedded under the laminated coating.

"This is definitely the Rolls Royce of mouth guards," said East Tech's Athletic Director Oscar Marcus, adding that he spends a big portion of his athletic budget on "boil and bite" mouth guards that tend to get lost and, if found, have to be thrown away.

According to Marcus, the football players were "chomping at the bit" to travel to Case to have impressions made and a dental screening, so the team arrived 30 minutes early. And at the end of the visit, the athletes showed their appreciation by giving the five volunteer dentists an impromptu round of applause.

The Cleveland East Technical High School football players were the first recipients of mouth guards in a new community service program from the Case dental school under the direction of James Lalumandier, chair of the department of community dentistry, and with support from the Cleveland Browns Foundation.

college of Arts and Sciences

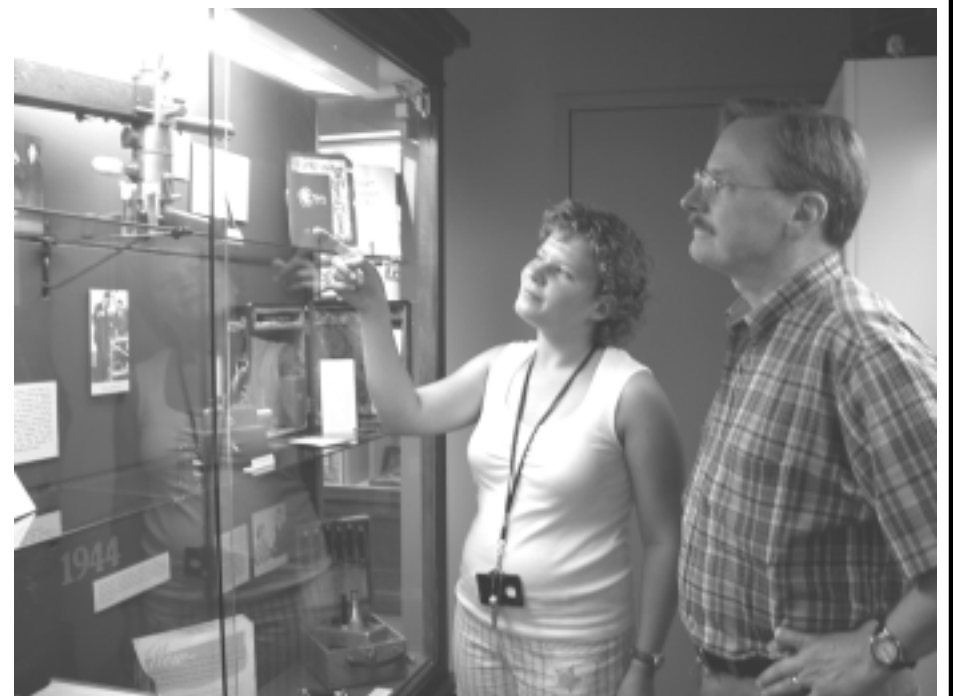


photo by Susan Griffith

On display

Anne Meinzenbach (left), an intern from Leipzig University in Germany, spent the past six months learning about museums at the Dittrick Medical History Center in Allen Memorial Library. Using the Dittrick archives, she organized an exhibit on Otto Glasser, who developed the dosimeter, an instrument used to measure radiation levels in people undergoing radiation oncology and other medical procedures requiring radiation. James Edmonson, curator of the Dittrick, hears about the unique collection of Glasser's personal items Meinzenbach found in the Dittrick archives. For information about this exhibit and the Dittrick's hours, visit <http://www.cwru.edu/artsci/dittrick/home.htm>.

Quarterback and head coach headline preseason honors

by Creg Jantz (creg.jantz@case.edu)

The season hasn't even started and Case Western Reserve University senior Eli Grant from Brooklyn, N.Y., has recorded a hat trick—and he's not a soccer or hockey player.

Grant, the Spartans starting quarterback, was recently named a first-team preseason All-American by *D3football.com*, a highly visited Web site for NCAA Division III football. This is Grant's third All-American honor this preseason. He also was named to the *Lindy's National College Football Preseason Magazine* first team and to *Don Hansen's Football Gazette* second team.

In 2002, when he finished his junior season third in the nation in passing efficiency (170.8) and third in total offense (319.2 yards per game), Grant was named a NCAA Division III third-team All-American by several voting outlets, including *Football Gazette* and *D3football.com* and received an honorable mention from Hewlett Packard.

Grant, a senior, rewrote the UAA record book in nearly every passing category last year. In his best performances, Grant completed 36 of 52 passes for 492 yards against Washington University and threw five touchdown passes against the University of Chicago. On the season, Grant completed 220 out of 345 passes for 3,265 yards and 33 touchdowns, breaking school records along the way.

The Case offense as a whole finished second in the nation last year in total offense

(507.8 yards per game), first in passing offense (357.7 yards per game) and 19th in scoring (36.9 points per game).

Like quarterback, like coach

The preseason awards don't stop with the Case QB. *American Football Monthly*, a national magazine for football coaches, elevated Case Head Coach Joe Perella in the NCAA Division III coaching ranks in this month's issue. Perella, about to kick off his third season in University Circle, was named to the publications "HOT LIST."

With the help of some of the top sports writers and football experts in the nation, the publication compiled a list of coaches that it believes are the future of high school, college and professional football. For a complete list and profiles log on to <http://www.AmericanFootballMonthly.com>.

"It was shocking to me at my age thinking of being a 'hot' coach," said Perella. "But it is an honor and a tribute to the people who work with me. When you coach football, you can't do it by yourself, you have to have good assistants, and I think I have great assistants."

Out of eight Division III coaches listed—82 total—Perella is one of just two from Ohio.

The Spartans, who recorded their first winning season in over a decade last year at 6-4 and opened training camp last week, kick off their season at 1 p.m. September 6 at home against Otterbein College.

In Brief

Registrations rolling in for community service day

Registrations are rolling in for Case Western Reserve University's "Case for Community" day—the University's first campus-wide community service day September 17.

Several groups of 10 and 20 faculty and staff members—entire offices—have registered to work together on projects ranging from activities at Cleveland schools to entertainment for retirement communities to landscape projects in areas of University Circle.

Members of the campus community, including students, can register online at <http://www.case.edu/events/cfc>. Registration is required for release time from work.

Co-sponsored by the Office of President and Provost and the Staff Advisory Council, Case for Community Day kicks off at 11:30 a.m. September 17 with a box lunch in the Thwing Ballroom.

Case volunteers will assist in service projects from 1-5 p.m., or until the project is completed. Transportation to service sites will be provided. For those unable to leave, on-campus volunteer opportunities are available.

Offices interested in volunteering as groups of 10 or more, should contact Erin Walsh, Case's director of programs and events and a member of SAC's Community Service Committee, for special placement.

Chapel, Court & Countryside performances set

Case Western Reserve University's Chapel, Court & Countryside early music series returns to Harkness Chapel, 11200 Bellflower Road, for its 2003-2004 concert season. All concerts begin at 7:30 p.m. and are followed by a question-and-answer session with the artists.

Chapel, Court & Countryside is the only concert series in northern Ohio specializing in the timeless music of the Medieval, Renaissance and Baroque eras. This season continues the tradition of presenting internationally renowned performers and showcasing graduate students in Case's early music program.

This year's concert program features the Cleveland debut of Second City Musick in the program, "Flights of Fantasy," October 18; Mitzi Meyerson on the harpsichord, presents "Keyboard Music from the Golden Age in France," November 15; Early Muses: The CWRU Performance Practice Collective appears in concert for "Sirens, Nymphs & Goddesses: Feminine Mythology of the 15th to 18th Centuries," January 31; "Shakespeare's Songbook," with performances by Ellen Hargis, soprano; William Hite, tenor; and Paul O'Dette, lute; April 24.

For ticket information, call 368-2402, e-mail chapel@case.edu or visit <http://music.cwru.edu/ccc>.

Women

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department at Case—to help the faculty member develop her career.

According to Singer, studies over the past three decades have shown that students place exceptional demands and expectations upon women in the sciences and have conscious or underlying biases. Under ACES, all incoming undergraduate and graduate students will attend training to overcome preconceived stereotypes and become more sensitive to women in the workplace.

In Phase II, the piloted coaching and mentoring will be expanded to other departments.

Over the next five years, ACES also will work closely with Case's Center for Women in a variety of activities and workshops that professionally advance women.

In addition, the University plans to network with Lubrizol Corp., which successfully implemented practices to transform the \$1.8 billion, Cleveland-

based company's workplace to an environment that advances women.

In other efforts to improve diversity, Case will strengthen its collaboration with Fisk University by inviting members of Fisk's faculty as ADVANCE visiting professors. They will interact with the women faculty and to help build a pipeline of minority students and faculty. The University also will expand opportunities for minority students to engage in research.

"Institutional change requires the hearts and minds of everyone in the organization. It must really be a mindset for change," said Diana Bilimoria, associate professor of organizational behavior from the Weatherhead School of Management and ACES co-director.

Other ACES co-directors are Mary Barkley, professor of chemistry from the College of Arts and Sciences, and John Angus, professor of chemical engineering from the Case School of Engineering.

Undergraduate

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and literatures will use a \$56,000 award to expand experiential learning opportunities to include volunteer projects in Spanish and Russian-speaking communities in Greater Cleveland, a one week spring break "immersion" program in the French-speaking Canadian province of Montreal and a two-week winter break "immersion" in Latin America.

Modern language volunteer activities will include oral history projects, community surveys and health education sessions, among others, with Hispanic youth on the near-West Side of Cleveland and with elderly Russian immigrants on the East Side.

French-speaking students will provide service in education and outreach to senior citizens and homeless with the chaplaincy at McGill University in Montreal. Spanish-speaking undergraduates will volunteer in public health projects—possibly linked with ongoing efforts in the schools of

dentistry, medicine and nursing—in Latin America.

With a \$45,000 PCUEL grant, the School of Nursing will team up with the Mandel School of Applied Social Sciences to develop an innovative, integrated BSN/MSSA dual degree. The interdisciplinary program will utilize ongoing connections between the two Case schools and Cleveland public schools and the city's health department to provide a variety of experiential learning opportunities. In addition, the degree could draw upon and add to a proposed interdisciplinary health clinic on the West Quad.

In another interdisciplinary project, the theater and dance department will use a \$36,000 award to develop a major in theater and society. The concentration will blend course work and hands-on activities in theater arts with sociology, anthropology, social work, psychology, political science and modern languages. Working

with the Office of Student Community Service, undergraduates will create performances to investigate social issues or to educate Cleveland schools and communities.

Another PCUEL award, \$29,000, will provide undergraduates with hands-on research experience at the intersection of law and literary theory, particularly in the domain of international intellectual property covered by copyright.

In order to raise the level of undergraduates' skills in using mathematical computer-based tools, the mathematics department will use a \$25,000 grant to develop the University's first online undergraduate course, "Math 110: Mathematical Software and Communication." The one-credit course focusing on technical software packages currently is taught face-to-face in a computer lab and is limited to 20 students. With Math 110 available online, the course would be open to up to 700 undergraduates.

Cosmology

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programs in cosmology and astrophysics already at Case by providing fellowships to enable some of the world's best young researchers to spend time at the University.

In partnership with its University Circle neighbor, the Shafran Planetarium at the Cleveland Museum of History, the center will design popular planetarium programs and ultimately documentaries and films to inform the general public about the latest developments in cosmology and astrophysics, Krauss said, adding that programs developed for the Shafran Planetarium eventually could be used by other planetariums around the country.

Over the next years, Krauss said he plans to raise more than \$25 million to build a new home for CERCA, now centered in the department of physics in Case's Rockefeller Building, and to support research opportunities for postdoctoral researchers and staff at the natural history museum.

For additional information on CERCA or the conference, visit <http://www.phys.cwru.edu/cerca>.

Conference participation is limited. To request an invitation, e-mail cerca@cwru.edu. Several postdoctoral and graduate student fellowships are available. The nomination form is available on the CERCA Web site.

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