



the PIPER

12/09 Issue

Carnegie Mellon

- 2 South Korean Students Pause Studies for Military Service
- 6 Cohon Answers Questions During Open Forum
- 9 IS Class Helps Quarterback's "In the Pocket"
- 12 Historian Uncovers Lost Benjamin Franklin Letters

Survey With Your Fries?

RESEARCH CAFÉ OPENS DOWNTOWN

■ Shilo Raube

Food court dining became a little more interesting last month with the grand opening of the Carnegie Mellon Research Café, a behavioral decision research lab on the second floor of Fifth Avenue Place. Now, instead of grabbing something to eat and heading back to work or going shopping, downtown workers and visitors can earn money or gift cards for participating in studies on decision making, such as consumer spending and saving, health behaviors like dieting and smoking, and what causes happiness.

"It's a win-win situation; we learn from participants, and most report that they find the experience very interesting and often eye-opening — something to talk about with friends," said George Loewenstein, a professor of economics and psychology.

CONTINUED ON PAGE FIVE

National Broadcast a First for Carnegie Mellon



PHOTO BY TIM KAULEN

CARNEGIE MELLON HOSTED A RECENT INSTALLMENT OF CNBC'S "MEETING OF THE MINDS" SERIES, WHICH FOCUSED ON MANUFACTURING. THE SHOW, HOSTED BY MARIA BARTIROMO WITH GUESTS RANGING FROM GOVERNMENT LEADERS TO BUSINESS LEADERS, IS AVAILABLE ONLINE TO WATCH AT THE PIPER+ AT WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML. READ MORE ABOUT THE SHOW AND THE STUDENTS WHO INTERNERD FOR THE DAY ON PAGE SEVEN.

MLK Jr. Day Activities Explore University Culture

■ Abby Houck

The Carnegie Mellon community will continue its tradition with a "Day On, Not a Day Off" to honor the legacy of Martin Luther King Jr. on Monday, Jan. 18.

The celebration kicks off at noon with a community collage and choral tribute in Kirr Commons, University Center, featuring the talents of students from the schools of Drama and Music. Following the performances, President Jared L. Cohon will deliver his annual State of Diversity Address in McConomy Auditorium.

Beginning at 1:30 p.m. in Rangos Ballroom, winners of the Martin Luther King Jr. Writing Awards, including students from local high schools and Carnegie Mellon, will read personal narratives about their individual experiences with racial difference or their reflections on King's legacy. Carnegie Mellon's Creative Writing program, its Division of Student Affairs and the Office of the President are co-sponsoring the contest.

Children's programs will begin at 2 p.m., and a variety of exhibits and service projects will take place in the University Center throughout the afternoon.

At 2:30 p.m., the President's Diversity Advisory Council (DAC) will host a Community Conversation to gather feedback on a document drafted this year titled "A Guiding Principle for University Culture." The document focuses on "bringing together talent that is broadly representa-

tive and maintaining an environment that fosters meaningful and authentic exchanges, which will engender in all of us a global perspective and add to our students' knowledge and skills."

Everett Tademy, secretary of the
CONTINUED ON PAGE TEN

South Koreans Pause Studies for Military Service

■ Abby Houck

Lauren Silverstein had just started her academic advising role in the Tepper School of Business in 2008 when a question from a South Korean student took her by surprise: When was the best time for him to fulfill his country's military service requirement?

Like many members of the Carnegie Mellon community, Silverstein had not been aware that all South Korean men between the ages of 18 and 35, with a few exceptions, are required to complete approximately two years of military service. The age at which South Korean males complete their military service depends upon a number of personal factors, as well as the physical and educational requirements of each military branch, but many seem to take time off during their undergraduate degrees to serve their country. There are 121 South Korean men currently enrolled at the university.

"Liz Vaughan, the Student Affairs liaison to Tepper, and I realized how important it is for advisers to understand the Korean military requirement," Silverstein said. "Advisers — whether academic, Student Affairs or housefellows — have huge potential to assist students in planning and preparing both academically and socially for their leave. They also have the opportunity to help students stay connected to Carnegie Mellon and transition back to campus."

Silverstein and Vaughan recently recruited upperclassmen who had completed their military service to participate in two types of panel discussions.

The first panel, conducted entirely in Korean, targeted students who had yet to complete their military service requirement. The upperclassmen described different military positions, explained academic and social considerations for taking a leave of absence, and shared advice for overcoming challenges. In its pilot year, only South Korean students from the Tepper School of Business were invited. This past November, a discussion was open to any South Korean student enrolled at Carnegie Mellon.

Organizers and panelists hoped that younger Korean students would benefit from the advice from the "bok-haak-sang." Jaehyung Lim, a business administration major, said the term is used to describe South Koreans who have returned from military duty.

Another panel targeted faculty and staff across campus interested in helping students through transitions and challenges associated with military service. The panel was part of the spring 2009 Student Success Seminar sponsored by the Division of Student Affairs.

"Our Korean students have impacted and improved the experience of future students by sharing information and spreading awareness to people who can be great resources," Silverstein said. "The presentation elucidated unique needs and considerations for advising Korean male students."

In many instances, Korean students attending Carnegie Mellon complete their first two years of undergraduate study before entering the military. Students often complete their core course requirements before returning to Korea, although timing depends on the individual students' major and personal preferences.

Lim enrolled at Carnegie Mellon in 2004 and completed his service with the Korean Augmentation to the U.S. Army (KATUSA) between 2006 and 2008. He plans to complete his undergraduate degree in May.

"Some may say that military service is a waste of two years," he said. "But I feel that any experience has something to learn from. I learned a lot about responsibility, and I really enjoyed the experience."

As a sergeant in KATUSA's Civil Military Operations, Second Infantry Division, Lim served as a translator for the division commander and completed outreach projects to build relationships between South Korean citizens and the U.S. military. He also was trained to guide civilians to safety in the event of a conflict or natural disaster while at Camp Red Cloud in Uijeongbu, South Korea. One of the most moving experiences for Lim involved planning a memorial service for two young girls who were



CORPORAL DOO-JUNG KIM AND CARNEGIE MELLON STUDENT AND SERGEANT JAEHYUNG LIM, A SENIOR IN BUSINESS ADMINISTRATION, WORKED IN A DIVISION TO BUILD RELATIONSHIPS WITH THE U.S. MILITARY AND CIVILIANS.

PHOTO COURTESY OF JAEHYUNG LIM

accidentally struck by a U.S. military vehicle in 2002. Each year, members of the U.S. military and KATUSA visit the girls' parents for the memorial service and assist with harvesting crops on the family's farm. "The parents were very kind to us," Lim said.

Keun-Jin Lee, a junior business administration major, returned from military service this fall. He spent six months as a public service staff member in charge of the Nowon-Gu satellite office of the Department of Welfare for Families. His roles ranged from matching elderly individuals and low-income families with services to repairing the building's air conditioning.

"It was a good rest from homework," Lee said. "But I also had to use my free time for my future's benefit."

Lee said he dedicated his free time to making lists, reviewing his studies and catching up on current events. He also taught an SAT prep course for high school students. Lee's military requirement was six months, because his father had achieved the rank of an honored soldier. Prior to returning to Carnegie Mellon, Lee spent six months on a mission trip in Cambodia and Vietnam.

Lim and Lee acknowledged that their assignments were quite different from individuals who are placed in dangerous environments such as the demilitarized zone between North and South Korea. Lim lived in dormitory-style housing with privileges to leave the base in the evenings and on weekends, while Lee lived on his own. Although the students were able to spend some free time with friends and family in Korea, they felt disconnected from Carnegie Mellon and Pittsburgh.

Feedback from students like Lim and Lee helped Silverstein understand the importance of keeping students informed about campus news, and she began to forward the weekly 8 1/2 x 11 News to students on military leave. She said knowing about the installation of "Walking to the Sky" and the new smoking policy helped students feel more connected to the university.

Returning to Carnegie Mellon also presents South Korean students with

logistic, academic and social challenges.

Linda Gentile, director of the Office of International Education, encourages students to get in touch with her department at least three to four months prior to returning to campus. "Many students who take a leave of absence don't see themselves as 'new students' however, they are required to complete paperwork for visas and enrollment that is much like being a new student."

South Korean students often find it difficult to retain their English skills while completing military service. Upperclassmen advise peers to take courses that require a high level of English language proficiency before completing military service. Gentile and Silverstein refer students who struggle with language and study skills upon their return to resources such as the Intercultural Communication Center, the Carnegie Mellon Academic Resource Center and Academic Development.

Re-establishing social connections also is critical to "bok-haak-sang." In many cases, classmates and friends have graduated from Carnegie Mellon, compelling students to create new bonds.

"Many students feel discouraged when they return," Lee said. "They feel a gap between themselves and other students."

Lim said that he arrived back in Pittsburgh with the address of an apartment that a friend arranged for him. The friend had since graduated and moved to a different city. Upon arrival, he had no cell phone, television or Internet, and he had no idea which of his friends, if any, were still living in Pittsburgh.

"I'm a social person," he said, "and it was hard eating alone for the first time in my life."

Both students agreed that the best way to transition back into the social flow of campus is to be involved in activities such as residence life, student organizations or a local church.

Although many South Korean students who served on the panel discussions were not close friends before completing military service, sharing their common experiences upon returning to campus has been beneficial. "We've become very close friends," Lim said. "We stick together."



the PIPER 12/09 Issue

PUBLISHER
Teresa Thomas

EDITOR
Bruce Gerson

MANAGING EDITOR
Heidi Opdyke

WRITERS
Jocelyn Duffy
Bruce Gerson
Andrea Jones
Heidi Opdyke
Shilo Raube
Kristi Ries
Abby Ross
Byron Spice
Chriss Swaney

DESIGNER
Melissa Stoebe
Communications Design Group

PHOTOGRAPHY
Ken Andreyo
Communications Design Group
Joshua Franzos
Tim Kaulen

To contact The Piper staff, call 412-268-2900 or email bg02@andrew.cmu.edu.

Carnegie Mellon University does not discriminate and Carnegie Mellon University is required not to discriminate in admission, employment, or administration of its programs or activities on the basis of race, color, national origin, sex or handicap in violation of Title VI of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973 or other federal, state, or local laws or executive orders.

In addition, Carnegie Mellon University does not discriminate in admission, employment or administration of its programs on the basis of religion, creed, ancestry, belief, age, veteran status, sexual orientation or gender identity. Carnegie Mellon does not discriminate in violation of federal, state, or local laws or executive orders. However, in the judgment of the Carnegie Mellon Human Relations Commission, the Presidential Executive Order directing the Department of Defense to follow a policy of, "Don't ask, don't tell, don't pursue," excludes openly gay, lesbian and bisexual students from receiving ROTC scholarships or serving in the military. Nevertheless, all ROTC classes at Carnegie Mellon University are available to all students.

Inquiries concerning application of these statements should be directed to the Provost, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-6684 or the Vice President for Campus Affairs, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, telephone 412-268-2057.

Carnegie Mellon University publishes an annual campus security report describing the university's security, alcohol and drug, and sexual assault policies and containing statistics about the number and type of crimes committed on the campus during the preceding three years. You can obtain a copy by contacting the Carnegie Mellon Police Department at 412-268-2323. The security report is available through the World Wide Web at www.cmu.edu/police/. Obtain general information about Carnegie Mellon University by calling 412-268-2000.

Produced for Media Relations by the Communications Design Group, December 2009, 10-218.

Philharmonic Concert Illuminates Music of the Holocaust

■ Kristi Ries

Music once banned by the Nazi regime echoed throughout Carnegie Music Hall in November. Under the direction of Maestro Ronald Zollman, the Carnegie Mellon Philharmonic performed powerful works by well-known and long-forgotten European-Jewish composers such as Mahler, Schulhoff and Schoenberg.

The performance was part of the Pittsburgh Ballet Theatre's Light/The Holocaust & Humanity Project, a month-long collaborative effort with a variety of Pittsburgh organizations that created educational programming to inspire dialogue about the Holocaust.

Noel Zahler, head of the School of Music, said the concert emphasized the role of musical compositions as historical legacies.

"Presenting this music is just one more way to reaffirm the important role music plays in the lives of individuals, regions and the global community," Zahler said. "Many people who had been victims of genocide still performed and composed music, and those who witnessed the atrocities from afar also reacted musically. Bringing these works to life for a new generation is our obligation."

Zahler gave the evening's opening remarks, and introduced special guests Sandy and Edgar Snyder. The Snyders have sponsored the Holocaust Center of Greater Pittsburgh's annual Kristallnacht commemoration for nearly a decade.

Lastly, Kristallnacht survivor Ruth Drescher took the stage, sharing her experiences and reminding everyone to never forget or minimize the great tragedy of the Holocaust.

A hush fell over the crowd as the concert opened with Bohuslav Martin's "Memorial to Lidice," an emotive piece dedicated to the small Czech town whose population and structures were decimated by the Nazis.

Schulhoff's optimistic "Symphony No. 1," a piece written during happier times, belies the composer's ultimate demise from disease in a concentration camp. Barber's "Adagio for Strings," which debuted just five days before Kristallnacht, has come to symbolize peace during mourning.

Associate Professor Douglas Ahlstedt served as narrator on Schoenberg's "A Survivor of Warsaw," which featured voices of the Men's Chorus, directed by Robert Page, the Paul Mellon University Professor of Music and director of Choral & Opera Studies. The work debuted after World War II, but includes a first-hand experience of the narrator, who describes a ghetto uprising in Warsaw, the perils of the concentration camps and the fortunate few who endured unbelievable conditions in order to escape. Mahler's "Totenfeier" closed the program on a somber but reverent note, as the piece literally translates to "Burial Ceremony."

In the audience of more than 800, the evening held particular meaning for the 30 Holocaust survivors in attendance. Some who were children or infants 71 years ago could not recall the horrific events of Kristallnacht, the "Night of Broken Glass," in which Nazi riots erupted in Jewish ghettos across Austria and Poland.

That night, Jewish-owned businesses were looted, synagogues were destroyed and burned, and Jewish homes were assaulted. Many people were killed



KRISTALLNACHT SURVIVOR RUTH DRESCHER SHARED HER EXPERIENCES AND REMINDED THE AUDIENCE TO NEVER FORGET THE HOLOCAUST.

and thousands were physically attacked, arrested and sent to concentration camps.

Kristallnacht marked the turning point from discrimination against Jews to outright genocide of an entire segment of society. At the philharmonic's concert, each survivor's personal story was punctuated by sorrow and loss.

Survivor Ruth Markovitz was among those in the audience. In 1941, her mother placed her on a train in order to spare her young daughter's life, but the two sadly were never reunited. Though there may be political, racial, religious or cultural divides among us, Markovitz reflected on the universality of the human race.

"Whoever gets cut, the blood runs red," she said simply. "It doesn't matter what color you are or what religion you are."

For all who attended, the meaning of the tragedy and the triumph of survival were punctuated by the storytelling of the transcendental musical works that memorialized the millions of lives forever disrupted or cut tragically short by the Holocaust.



MAESTRO RONALD ZOLLMAN DIRECTED A NIGHT OF MUSIC BY JEWISH COMPOSERS FOR AN AUDIENCE THAT INCLUDED 30 HOLOCAUST SURVIVORS.

PHOTOS BY JOSHUA FRANZOS

Extra Credit

STUDENTS SPENT DAY WORKING ON MOVIE

■ Abby Houck

Forget the traditional 9-to-5 workday. This fall, three first-year students wearing their best business suits posed as Pfizer pharmaceutical representatives from 6 a.m. to 8 p.m. at Mellon Arena as extras for the film "Love and Other Drugs."

"Love and Other Drugs" is a fictionalized account based on Jamie Reidy's non-fiction book "Hard Sell: The Evolution of a Viagra Salesman." The movie, from Fox 2000 Pictures and New Regency Productions, is scheduled for release some time in 2010.

The film, which stars Jake Gyllenhaal and Anne Hathaway, includes Carnegie Mellon alumni Josh Gad (A'03) and Gabriel Macht (A'94). More than 400 extras were recruited for a scene featuring an over-the-top Pfizer employee rally.

"There were pyrotechnics, dancers and cheerleaders," said Diane Koeller, a student in the College of Humanities and Social Sciences (H&SS). "Since the film was set in the '90s, we had to do the Macarena over and over again."

In lieu of payment, the film company agreed to donate \$50 to a local nonprofit organization on behalf of each extra. Volunteers appearing in the scene donated their earnings to organizations such as the Pittsburgh Film Office, the Humane Society, Big Brothers/Big Sisters and the Greater Pittsburgh Arts Council.

Since Koeller, fellow H&SS student Sara Mouhktar and College of Engineering student Russell Hensley learned about the opportunity through the campus chapter of Habitat for Humanity, they designated Habitat for Humanity of Greater Pittsburgh as the recipient of their wages.

In addition to supporting a good cause, Mouhktar said she appreciated the behind-the-scenes look at movie making. Hensley added that he was impressed by what they learned on set.

"There weren't enough extras to fill the arena, so we participated in a camera trick called tiling," he said.

Camera operators filmed the extras in one section of Mellon Arena, and then moved the entire group to the next section until they could create the illusion of a sweeping panorama across a full arena.

"I'm looking forward to seeing the movie," Hensley said. "Because I could appear in two places at once."

Seniors Lead Soccer Team To Sweetest Season

■ Andrea James



PHOTO BY MARTY SANTEK OF MARTIN SANTEK PHOTOGRAPHY
SENIOR JON HALL MADE HISTORY THIS YEAR BY BEING NAMED ESPN THE MAGAZINE ACADEMIC ALL AMERICAN OF THE YEAR TWO YEARS RUNNING, THE FIRST TIME FOR ANY MEN'S SOCCER PLAYER.

The men's soccer team enjoyed one of the best seasons a team sport has ever had at Carnegie Mellon. This fall marked the first time in school history the Tartans advanced to the Sweet 16 round of the NCAA Division III Soccer Championships, a tournament in which they were selected to play host to first and second round competition as well as Sweet 16 sectional play.

Under Head Coach Arron Lujan, the team earned an at-large bid to the play-offs after posting a 14-2-1 regular season record and finishing atop the University Athletic Association (UAA) standings for the first time since 2004. Among the 14 wins were six straight shutout victories, as they held their opponents scoreless in 584 consecutive minutes.

The Tartans, ranked 10th in the nation, defeated Thomas More College 4-2 in first round play and Medaille College 1-0 in the second round of the NCAA playoffs before falling to Calvin College 2-1 in the sectionals. Despite the

loss to Calvin College, the Tartans showed a crowd of more than 750 how talented and determined they were.

Senior forward Ricky Griffin made history with his 19th goal and 47th point of the season, making him the program's all-time single season point leader. Fellow senior Ryan Browne scored three goals in the postseason and was second on the team with 10 goals and 30 points. The pair was named Academic All-Americans

by the College Sports Information Directors of America for the second year along with seniors Austin Good, Jon Hall and Keith Haselhoff.

Hall made history of his own, earning ESPN the Magazine Academic All-America of the Year honors for the second straight season, a feat never accomplished in the College Division (Division II, III and NAIA) by a men's soccer athlete. Hall is a business administration and finance major with a 4.0 grade-point average.

Griffin was named UAA Player of the Year for the second time after leading the conference in goals and points for the second year. More accolades are expected to roll in for Griffin and Browne, who were named to the All-America and All-Region teams in 2008.

Although 10 seniors on the team will graduate this spring, next year looks bright for the Tartans as a core of freshmen and sophomores are waiting in the wings to step into prominent roles.

Art Park Planned on Forbes



PHOTO BY BRUCE GERSON
A NEW GREEN SPACE WILL BE COMING TO FORBES AVENUE THIS SPRING. OVER THE NEXT FEW MONTHS, THE 4621-4628 LOTS OF FORBES AVENUE WILL BE TRANSFORMED INTO A TEMPORARY "ART PARK," WHERE CARNEGIE MELLON STUDENTS WILL ENLIVEN THE BUSY OAKLAND STREET WITH ART AND ENVIRONMENTAL PROJECTS. SCHOOL OF ART PROFESSOR BOB BINGHAM WILL PROVIDE DIRECTION FOR THE PROJECT, WITH THE PLAN OF HAVING THE SPACE READY BY COMMENCEMENT. THE BUILDINGS IN THE BLOCK WERE DEMOLISHED TO MAKE ROOM FOR THE GREEN SPACE. THE UNIVERSITY PURCHASED THE LAND EARLIER THIS YEAR, WITH LONG-TERM PLANS TO FURTHER DEVELOP FORBES INTO AN EDUCATIONAL, RESEARCH, BUSINESS AND CULTURAL CORRIDOR.

SEN. CASEY ADVOCATES FOR GREENER GOVERNMENT



PHOTO BY KEN ANDREYO
Sen. Bob Casey greets Ed Rubin, the Alumni Professor of Environmental Engineering and Science, during a recent campus visit. Rubin is a member of the U.N. Intergovernmental Panel on Climate Change, which shared the 2007 Nobel Peace Prize with former Vice President Al Gore. During Casey's visit, the senator delivered an address on climate change and innovation. "Carbon pollution threatens our future and human life itself," Casey told the crowd in Rashid Auditorium. He emphasized that green energy initiatives will improve the environment and national security and increase job opportunities. Watch his address at the Piper+ at www.cmu.edu/news/news-notes/piper/index.shtml. Casey's visit was sponsored by the Steinbrenner Institute for Environmental Education and Research.

Upcoming Events

Hunt Institute Exhibition

"Botanicals: Environmental Expressions in Art, the Alisa and Isaac M. Sutton Collection" represents one of the finest private collections of contemporary botanical art in America. The exhibition will be on display from 9 a.m. to noon and 1 to 5 p.m. Monday-Friday, and 1 to 4 p.m. Sunday on the 5th floor of the Hunt Library.

Martin Luther King Jr. Day

Monday, Jan. 18
See the cover story for more information. Classes scheduled after 12:30 p.m. are canceled for the day. All events take place in the University Center (UC).

- Noon** Community Collage and Choral Tribute to Dr. King
- 12:30 p.m.** State of Diversity Address — Jared L. Cohon
- 1:30 p.m.** Presentation of the Martin Luther King Jr. Writing Awards Children's Programs
- 2 p.m.** Community Conversation on "A Guiding Principle for University Culture"
- 2:30 p.m.** Community Conversation on "A Guiding Principle for University Culture"
- 4:30 p.m.** Candlelight Vigil

- 5 p.m.** Keynote Lecture—James H. Cone, distinguished professor of systematic theology at Union Theological Seminary, will give a lecture, "Nobody Knows de Trouble I've Seen." McConomy Auditorium, UC

University Lecture Series

Alan Houston, a political science professor at the University of California San Diego, will discuss "New Discoveries in the Life of Benjamin Franklin." See page 12 for more information.
4:30 p.m., Wednesday, Jan. 20
McConomy Auditorium, UC

Staff Council General Body Meeting

Open to all staff members
Noon – 1 p.m., Thursday, Jan. 21
Gates Center 6115

University Lecture Series

Journalist Chris Hedges, a senior fellow at The Nation Institute, will lecture on "The End of Literacy and the Triumph of Spectacle."
4:30 p.m., Thursday, Jan. 21
Porter Hall 100 (Gregg Hall)

More Than Buildings

LEE WEAVES VISION FOR SOUTH AUSTRALIA'S BUILT ENVIRONMENT

■ Malcolm King

Architecture Professor Laura Lee said the future of Adelaide, Australia's built environment lies in integrated strategy.

"I want to play to South Australia's unique strengths and how those get translated into the built environment. I want to see real outcomes. The potential here is extraordinary and the work goes far beyond the time you are here," said Lee, who recently completed a term in Adelaide as the 16th Thinker in Residence.

Every year the Premier of South Australia, Mike Rann, invites two or three world-class thinkers to Adelaide to live and work. The Thinkers spend two to six months assisting South Australia to build on its climate of creativity, innovation and excellence. The Thinkers in Residence provide strategies for future development in the arts and sciences, social policy, environmental sustainability and economic development.

"South Australia is a very creative environment. It is an incubator for ideas. It's a place where it's very easy to collaborate," Lee said.

Lee said she sees herself as more of a connector than a creator; as part of a team taking on ideas from global and local designers, city planners, business people and the public and feeding them back in to the community.

"The integrated design strategy that we put forward is a collaboration between the city and state government and will look at quality of life issues that go beyond individual develop-



LAURA LEE

ments to a real collective consciousness about the city and space," Lee said.

"By and large most people love the Central Market — it is a quintessential experience in Adelaide. If you could extend the feeling of that space into other spaces they would say 'yes, I want more of that.'"

Lee said it's important that design is about creating places and spaces where people feel a sense of belonging, connection, identity and value. "Right now there is a lot of development activity ... but the design layering, which is qualitative, hasn't been considered. We need to try to leverage what the planning document guidelines suggest so that it's about quality and innovation.

"The advantage of Adelaide is that it has great bones. It has inherited one of the world's premium examples of city design," Lee said.

Research Café Opens Downtown

CONTINUED FROM PAGE ONE

"Many of the studies offer food court certificates as rewards, and food and drink can be taken into the lab. In fact, most studies can be done while you're eating lunch or enjoying a coffee or soda."

The Research Café is an initiative of the Center for Behavioral Decision Research (CBDR), a joint venture of the College of Humanities and Social Sciences, the Tepper School of Business and the Heinz College's School of Public Policy and Management. Loewenstein sits on the CBDR's steering committee and pushed for the new research facility to give the center better access to the community and give community members the opportunity to learn more about and participate in Carnegie Mellon research.

The lab occupies 1,700 square feet of the Highmark Building's popular eating and shopping destination. It consists of a lobby area equipped with four computers designed for walk-in surveys, a conference room for group surveys of up to 12 people and another room where participants can work at computers or complete paper surveys.

During the Research Café's official grand opening in November, more than

300 people participated in several different studies that varied on topics from texting to marriage. Participants were entered in a special raffle for a \$100 Giant Eagle gift card.

"We're so excited to be able to reach a whole different segment of the population," said Jessica Kopsic, a research associate and Research Café manager. "The opening went really well, and people seemed eager to participate and learn how



GEORGE LOEWENSTEIN (LEFT), A PROFESSOR OF ECONOMICS AND PSYCHOLOGY AND RALPH HORGAN, ASSOCIATE VICE PROVOST FOR CAMPUS DESIGN AND FACILITY DEVELOPMENT, ATTENDED THE DOWNTOWN RESEARCH CAFÉ'S OPENING.

their contributions will provide insight into how we live and make decisions."

"Jessica did an amazing job getting the lab set up and ready for the public," Loewenstein said. "I'm thrilled with the initial success, and she's working on different programs to continue to encourage people to use the Research Café on their lunch or coffee breaks."



ONLINE: FOR MORE INFORMATION, INCLUDING A SCHEDULE OF UPCOMING STUDIES, VISIT THE PIPER+ AT WWW.CMU.EDU/NEWS/NEWS-NOTES/PIPER/INDEX.SHTML.

Review Board Wowed by Carnegie Mellon|Portugal Partnership

■ Alexandra Carvalho Vieira

The External Review Committee (ERC) of the Carnegie Mellon|Portugal Partnership completed its third assessment of the Information and Communications Technologies Institute (ICTI). Special interest was given to the key areas of recruiting top students, fostering strong ties between Portuguese universities and corporate affiliates, and creating an international environment.

The ERC report stated: "It is clear to us that the Carnegie Mellon|Portugal Partnership is contributing substantially to the transformation of university research and graduate education in Portugal, ensuring that the very highest international standards of excellence are attained."

In a public report, the committee described the partnership as "a visionary initiative" and noted that impressive progress has been made since its previous visit in November 2008.

ICTI offers professional masters' degrees in human-computer interaction, information networking, information technology, information security and software engineering. Doctoral degrees are offered in computer science, electrical and computer engineering, engineering and public policy, language technology, applied mathematics, software engineering, and technological change and entrepreneurship.

The ICTI program is led by directors João Barros and José M. F. Moura, located in Portugal and

Pittsburgh, respectively. ICTI is an international "virtual" institution funded by the Portuguese government through the Fundação para a Ciência e a Tecnologia (FCT), an organization within Portugal's Ministry of Science that funds scientific research and activities.

Four of the five ERC members were in attendance during the evaluation in September: Sir John O'Reilly, vice-chancellor of Cranfield University in the United Kingdom; Tariq Durrani, University of Strathclyde Glasgow, Scotland; Joel Moses of the Massachusetts Institute of Technology; and Luigia Aiello of the Università di Roma La Sapienza, Italy.

To learn more about the progression of the program, the ERC members met with faculty, students, alumni,

principle investigators, managers and entrepreneurs. The most notable additions to the program included new ties to industry affiliates in Portugal. These affiliates include the Madeira — Interactive Technologies Institute (Madeira — ITI), as well as two other centers of expertise in software engineering and cyber security, which are important areas for further development in the Information Communication Technology (ICT) sector in Portugal.

Currently, 10 corporate affiliates provide financial support to more than 45 students in the partnership, and many of these students have obtained work with these companies upon graduation. In total, the partnership has more than 39 industrial partners.

President Cohon Meets With Staff in Open Forum

■ Bruce Gerson

At the Staff Council-sponsored Open Forum on Monday, Nov. 30, President Jared L. Cohon began with remarks about the proposed city tuition tax on students, and the university's budget. After his opening remarks, he fielded questions from about 50 people in attendance on issues ranging from budget reductions and salary increases to the transition to bi-weekly pay for non-exempt employees and the recent land acquisitions along Forbes Avenue near Craig Street.

With regard to the budget, Cohon reported that the university ended fiscal year 2009 (July 1, 2008 to June 30, 2009) with a surplus, a very good result compared to the budgeted deficit. He attributed the outcome in part to cost-saving measures taken throughout the university. Cohon also reported that the endowment lost 26.7 percent last year,

which was in line with forecasts and with the investment results at peer universities. Due to endowment spending rules, last year's endowment losses will affect the operating budget in the current year and for at least two more years. He explained that this was the reason for calling for budget cuts of 5 percent and 10 percent in academic and administrative units, respectively, over the three fiscal years 2010, 2011 and 2012.

Cohon expressed the university's opposition to the proposed tuition tax. He provided some recent historical background on the relationship between Pittsburgh's non-profit institutions and the City government.

In response to a question about salary increases for next year, President Cohon said that increases are budgeted for next year. He took the opportunity to talk about recent press stories about

his salary. Cohon said that, contrary to the impression given by the press, he did not receive a raise this year, consistent with the salary freeze. The raise that was reported was from two years ago and coincided with his reappointment to a third term. He added that his salary is below the 25th percentile in the comparison group that the Board of Trustees uses when setting his salary.

Several questions arose concerning the transition to bi-weekly pay for non-exempt employees. One question was about the timing of the transition and another was about the distribution of payroll deductions. Barbara Smith, assistant VP for Human Resources, said it was decided that during the Open Enrollment period for benefits would be a good time to make the transition, and that deductions would be taken over 24 pays, rather than 26. She said it was

easier to calculate deductions over 24 pay periods and that it allowed for a smoother transition. Cohon noted that non-exempt bi-weekly pay employees would receive \$400 in December to mitigate the effect of the transition.

In response to questions about the recent land acquisitions along Forbes Avenue near Craig Street, President Cohon said a master planning process that will include the campus community and neighborhood representatives will determine specific plans. He said the buildings along the south side of Forbes, except for PNC Bank, were in the process of being demolished and that the university has submitted a proposal to the city to establish an "art park" for the short-term, where students can display their works of art.

To see the entire Open Forum, visit <http://bit.ly/CohonNov30>.

H1N1 Modeling at Pittsburgh Supercomputing Center Honored

■ Michael Schneider

The Pittsburgh Supercomputing Center (PSC) has received the 2009 HPCwire Reader's Choice Award for Top Supercomputing Achievement for scientist Shawn Brown's work in modeling the spread of the H1N1 virus. The award recognized the PSC's work as part of the National Institutes of Health's Models of Infectious Disease Agent Study (MIDAS) project, which supports research to simulate disease spread and evaluate intervention strategies.

Brown modeled the spread of the H1N1 virus in various locales, including the United States, the Washington, D.C., metropolitan area, and Allegheny County. The modeling helps policy-makers and public-health officials to evaluate the effectiveness of mitigation strategies,



SHAWN BROWN

such as vaccination and school closure.

"We can build experiments in the computer that you can't do in real life. We can build a population and infect them with the flu. And then look at different mitigation strategies like vaccinations or anti-virals or social distancing and see how that affects the disease spread," Brown said in a recent WTAE-TV report on the project.

The computer program can illustrate how measures like vaccinations, closing schools and using drugs like Tamiflu will impact the spread of H1N1.

Programmers are sharing this information with local government leaders and the Health Department in hopes of improving control of the disease.

"Of all the work I've done in the supercomputing center, and I've done a lot of different things, this is certainly one that's had the most social benefit," Brown said.

Brown collaborates with the Pittsburgh MIDAS Center of Excellence, led by Donald Burke, M.D., of the University of Pittsburgh Graduate School of Public Health. This group is studying fundamental questions about the behavioral, environmental and evolutionary factors underlying infectious disease epidemics to develop real-time models for particular localities, cities and states.

HPCwire is a news service for high-performance computing (HPC) and computational science that serves an international community.

Gadgets and Gizmos

INTEL OPEN HOUSE SHOWCASES PROJECTS

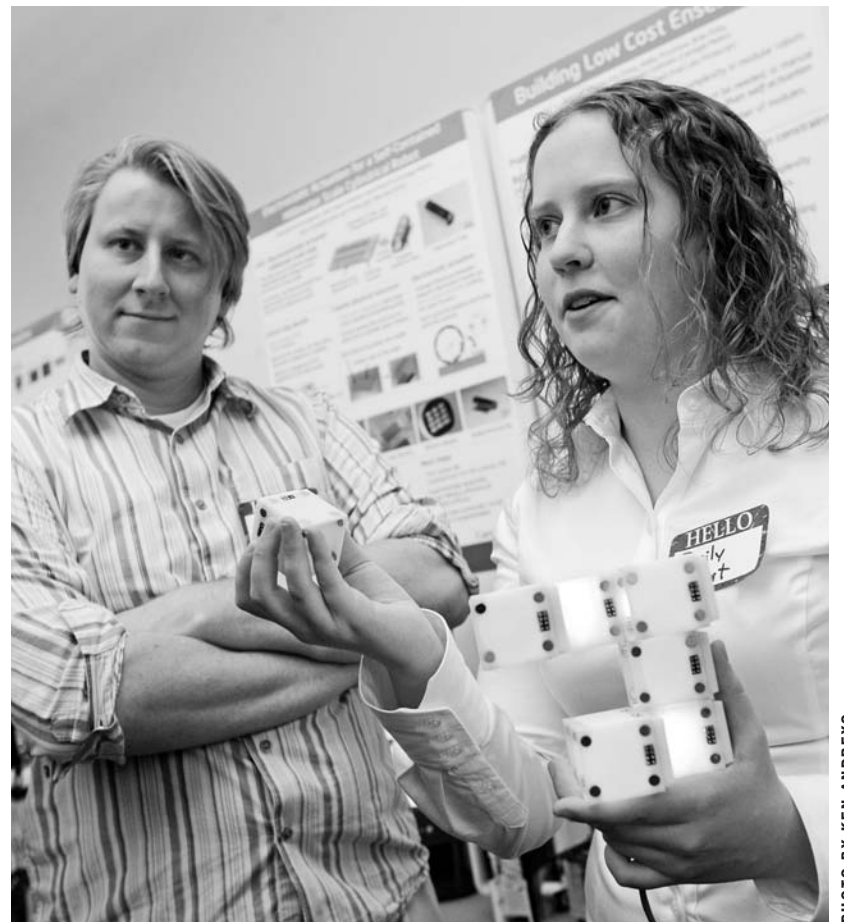


PHOTO BY KEN ANDREYO

BRIAN KIRBY, A COMPUTER SCIENCE RESEARCH ASSOCIATE, WATCHES EMILY HART, A SENIOR IN ELECTRICAL AND COMPUTER ENGINEERING, DEMONSTRATE BLINKYBLOCKS DURING INTEL RESEARCH PITTSBURGH'S RECENT OPEN HOUSE. BLINKYBLOCKS, WHICH ARE LEGO-LIKE PIECES THAT CONTAIN TINY COMPUTERS, COMMUNICATE AND CHANGE COLOR WHEN THEY ARE LINKED IN DIFFERENT WAYS. THEY CAN BE USED AS EDUCATIONAL AND RESEARCH TOOLS FOR STUDENTS LEARNING TO PROGRAM DISTRIBUTED SYSTEMS OF COMPUTERS, SUCH AS THE POWER GRID OR THE INTERNET. THE PROJECT WAS ONE OF SEVERAL SHOWN BY THE CLAYTRONICS TEAM, WHICH COMBINES MODULAR ROBOTICS, SYSTEMS NANOTECHNOLOGY AND COMPUTER SCIENCE TO CREATE THE DYNAMIC, 3-DIMENSIONAL DISPLAY OF ELECTRONIC INFORMATION. MORE THAN 58 PROJECTS WERE SHOWCASED IN CONJUNCTION WITH CARNEGIE MELLON AND THE UNIVERSITY OF PITTSBURGH.

Inspire Innovation Fuels Student Support

■ Heidi Opdyke

Students come to Carnegie Mellon with a burning desire to make an impact — in their lives, careers and communities.



To that end, Inspire Innovation: The Campaign for Carnegie Mellon University recently launched a special initiative called “Fuel the Fire,” which is focused on inspiring donors to support scholarships, fellowships and other areas that

to accomplish great things,” said David Bohan, associate vice president and campaign executive director. “Securing more support for our students will ensure that they continue to have the opportunity to transform their dreams into reality.”

Bohan said many of the institutions that the university competes with for students have much greater resources, which can put Carnegie Mellon at a competitive disadvantage. More than 50 percent of the university’s undergraduate students receive some form of financial aid. Of the total dollars supporting undergraduate financial aid this academic year, \$54 million comes from

“Increasing philanthropic funding dedicated to student support helps Carnegie Mellon remain competitive in attracting and educating the best and brightest, while allowing operating dollars to be invested in university programs” Bohan said.

Some of the current students featured in materials promoting the initiative include Eric Blood, a senior in mechanical engineering who spent the summer interning at a NASA research center. His dream involves developing green flight technologies that will revolutionize air travel.

“I would ultimately like to get into some kind of aeronautical design work and this summer internship gave me a real taste of what it’s like to work at NASA,” said Blood, an avid trumpet player and outdoorsman.

Heather Bernard, a junior in chemistry, plans to attend medical school. She said she wants to work in a clinic for underserved populations.

“If I can change someone else’s life like mine has been changed, then



I feel as though life is successful,” said Bernard, a recipient of the John Nagy Sr. Memorial Scholarship.

The Campaign

The Inspire Innovation campaign recently surpassed an important milestone, \$600 million, on the way to its overall goal of \$1 billion.

Student support is one of the four main funding priorities along with faculty support, unrestricted giving, and facilities and equipment.



ONLINE: WWW.CMU.EDU/FUELTHEFIRE

WWW.CMU.EDU/CAMPAIGN

directly impact today’s students.

“Over the generations, one thing about Carnegie Mellon students has remained constant: their intense drive

the university operating budget and \$8.1 million from gift support. This imbalance places significant pressure on the university’s operating budget.

Students Help CNBC Produce Broadcast from Wiegand Gym

■ Heidi Opdyke

For one night only Wiegand Gymnasium’s basketball courts were transformed into an elaborate television studio to host a national discussion on manufacturing. This was the first time a national broadcast has been filmed on campus.

CNBC chose the venue to tape “Meeting of the Minds: Rebuilding America,” which first aired on the network on Dec. 2. Guests on the show included: Daniel R. DiMicco, chairman, president and CEO of Nucor Corp.; John Engler, president and CEO of the National Association of Manufacturers; Bill Ford, executive chairman of Ford Motor Co.; Leo W. Gerard, international president of the United Steelworkers; Jeff Immelt, chairman and CEO of GE; and Hilda L. Solis, U.S. Secretary of Labor.

“Carnegie Mellon has been nothing but fantastic with helping us with

the setup and preparation for this,” said Mary Duffy, senior executive producer of strategic programming and development at CNBC. “That first vibe you get when you partner with someone on production, it’s very telling.”

Carnegie Mellon staff from the University Center, Computing Services, Events, Media Relations, Police and Security were among those who contributed to the success of the event.

More than 80 CNBC crew members from as far away as Texas and New York began arriving days before the event. Additional staffers were hired from Southwest Pennsylvania, Ohio and West Virginia. Over the course of Thanksgiving weekend, the stage was built and an enormous light rig was hung from the rafters. Workers installed a boom camera on the gym’s balcony, which later swung above the crowd as softly lit curtains covered the basketball hoops along the perimeter. The crew worked 12-14 hour days to make sure everything was just right, and the set was struck hours after the taping.

More than 700 audience members, including a bus full of steelworkers from Warren, Ohio, watched the taping that lasted a little more than an hour. Duffy warmed the audience up prior to the panelists arriving, while keeping an eye on final details. In the time before the show, Carnegie Mellon President Jared L. Cohon greeted the panelists and other guests in Danforth Lounge. The Connan Room also was transformed for the event. An editorial team was at work on production, and equipment filled the room.



CARNEGIE MELLON PRESIDENT JARED COHON GREETED PANELISTS IN DANFORTH LOUNGE. FROM LEFT ARE JOHN ENGLER, PRESIDENT AND CEO OF THE NATIONAL ASSOCIATION OF MANUFACTURERS; DANIEL R. DIMICCO, CHAIRMAN, PRESIDENT AND CEO OF NUCOR CORP.; COHON; AND JEFF IMMELT, CHAIRMAN AND CEO OF GE.

Duffy recently wrapped up another special project involving Warren Buffet and Bill Gates at Columbia University, but this was the first time CNBC has filmed the “Meeting of the Minds” series outside of CNBC Global Headquarters in Englewood Cliffs, N.J.

“There’s no better place to come than Pittsburgh, it’s the heart of the steel country, and it’s also an interesting city because of the transformation it’s undergoing right now with meds and eds,” Duffy said. “I think there’s a lot of history here. With Carnegie Mellon being one of the leading universities for engineers and the future, we wanted to get the students’ point of view. They’re going to be the next generation, they’re going to be our future, so we wanted to be here. That was a request of the

guests, too, to come here and really listen to what students have to say.”

Students were among those who asked questions of the panelists ranging from union issues to trends on outsourcing. They also worked behind the scenes. Eighteen students served as CNBC interns for the day.

“It’s like a big orchestra. That’s why the students are so important today as part of the process for us,” Duffy said. “It’s very inspiring, when you come back to school and you see these students are so optimistic and full of hope. This next generation is going to be one of the smartest bunch of kids that we’ve ever seen, I think. They’re just so plugged in and they’re getting all the resources they need here. When I talked

CONTINUED ON PAGE TWELVE



PRERNA SINGH, A SOPHOMORE IN BUSINESS AND MECHANICAL ENGINEERING, WAS AMONG THE STUDENTS WHO VOLUNTEERED FOR THE BROADCAST.

Electrifying Idea

NOURBAKHSH WORKS TO CONVERT COMMUTER VEHICLES TO RUN ON RENEWABLE ENERGY

■ Byron Spice

Most people have vivid memories of some car from their youth, whether it be a tricked-out Honda Civic or a beat-up VW Minibus. For Illah Nourbakhsh, those memories are stirred by a sleek, solar-powered car called the SUNSurfer that he helped build as an undergraduate at Stanford University in 1988.

Driving down the road with one eye on the ammeter, Nourbakhsh was impressed that the car was able to generate all of its own power, either from solar cells or from its regenerative braking system. And, having helped build it from the ground up, he knew just how simple an electric car could be.

Today, Nourbakhsh is an associate professor of robotics and proud owner of an electrified 2001 Toyota RAV4 that he uses for most of his driving. He is convinced that electric cars are practical as commuter vehicles and hopes to prove it with a new project from his CREATE Lab, called ChargeCar.

Nourbakhsh and co-principal Gregg Podnar hope to demonstrate that gas-powered cars can be cost-effectively converted to electric cars, using local mechanics and commuter data from drivers from around the world. A newly converted 2001 Scion xB is serving as a test bed.

Though car companies are still looking for batteries powerful and cheap enough to use in a multi-purpose electric production car, Nourbakhsh and Podnar say a little help from artificial intelligence and a device called a supercapacitor should enable existing batteries to handle the load for the distance of a commute.

“Most electric cars today are being designed with top-down engineering to match the performance of gas-powered cars,” Nourbakhsh said. “Our goal is to revolutionize urban commuting by taking a different approach — by first analyzing the needs, conditions and habits of the daily commutes of actual people and then using this ‘commute ecology’ to develop electric vehicles suited to each unique commute.”

People are invited to store their daily travel data via GPS and upload it to the project site, <http://chargecar.org>. In addition to saving the data in a data base accessible to all researchers, the site also can show each individual the energy cost of gasoline vs. electricity for their commute.



THE CHARGE CAR TEAM USED SMART POWER MANAGEMENT ARCHITECTURE TO CONVERT A 2001 SCION xB FROM GAS TO ELECTRIC.

The site also can calculate how much wear and tear on batteries could be saved by using a supercapacitor, part of a “smart power management” architecture that is key to the ChargeCar project. Unlike batteries, supercapacitors can charge and discharge at very high currents and thus can improve the vehicle’s responsiveness, while reducing the charge/discharge cycling that shortens battery life.

“Many people have talked about using supercapacitors as buffers on a battery, but we also will use artificial

intelligence to manage how power is discharged and stored,” Nourbakhsh said. “Based on a driver’s route and habits, the smart power management system will decide whether to draw power for the electric motors from the batteries or the supercapacitor and decide where to store electricity produced by the regenerative braking system as the car slows down or goes down a hill.”

Determining the optimal means of managing power will be one of ChargeCar’s primary goals. The researchers calculate that an intelligent electric car

controller could recapture 48 percent of the energy during braking and that a supercapacitor could reduce 56 percent of the load on the batteries and reduce heating of the batteries — which shortens battery life — by 53 percent.

“The No. 1 cost of electric vehicle ownership is the batteries,” Nourbakhsh said. “Smart power management will save money initially because it pairs a low-cost battery pack with a small supercapacitor. And it will continue to save money by increasing efficiency and extending battery life.”

Math Honors Kinderlehrer, Kramkov

■ Jocelyn Duffy

Two esteemed members of the Department of Mathematical Sciences have been honored with named professorships. David Kinderlehrer received the Alumni Professorship in Mathematical Sciences and Dmitry Kramkov received the Mellon College of Science Professorship in Mathematical Finance.

“Named professorships are the highest accolade a university can grant to its faculty members. It is a recognition of all a faculty member has done as a researcher, a teacher and a university citizen,” said Carnegie Mellon President Jared Cohon.

The Alumni Professorship was created by the university to honor some of its most esteemed faculty members for their contributions in their respective fields; the Alumni Professorship in Mathematical Sciences was founded in 1992. Kinderlehrer, a professor of mathematical sciences and materials science and engineering, is a leader in the field of applied analysis. He is the co-founder of the highly respected Center for Nonlinear Analysis and the first mathematician to join the Materials Research Science and Engineering Center (MRSEC). He is best known for his contributions to advancing materials science research, in particular as part of the team that discovered a paradigm-changing characterization of microstructure.

The newly established Mellon College of Science Professorship in Mathematical Finance recognizes the department’s preeminent position in mathematical finance and honors a faculty member who possesses an outstanding reputation in that field. Kramkov, a professor of mathematical sciences, is a leader in computational finance, especially as it relates to problems of hedging and optimal investment in incomplete financial models. He is highly regarded for his work on optimal decomposition for supermartingales, asymptotic elasticity condition on utility functions and risk-tolerance wealth processes. He is the co-author of the Kramkov-Schachermayer theorem that addresses the duality of portfolio optimization.



SHLOMO TAS'SAN, PROFESSOR OF MATHEMATICAL SCIENCES, SPOKE WITH DMITRY KRAMKOV (RIGHT), WHO RECEIVED THE NEWLY ESTABLISHED MELLON COLLEGE OF SCIENCE PROFESSORSHIP IN MATHEMATICAL FINANCE.



FRED GILMAN, DEAN OF THE MELLON COLLEGE OF SCIENCES, IS PICTURED WITH DAVID KINDERLEHRER, THE ALUMNI PROFESSOR IN MATHEMATICAL SCIENCES.

Vituccio's Documentary Premieres at Three Rivers Film Festival

PITTSBURGH SOLDIERS PRAISE THE UNIQUE PIECE ON THE IRAQ WAR

■ Bruce Gerson

Ralph Vituccio's latest documentary is much different than any the award-winning filmmaker has produced before. It's a story of the ongoing Iraq War told by 15 Pittsburghers who served, survived and returned from the very hot, sand-filled, stench-ridden, bomb-blasting battlefields in and around Baghdad.

Vituccio didn't shoot any of the footage and he didn't conduct any of the interviews, but his masterful editing and storytelling skills he used to produce the vivid "In Service: Pittsburgh to Iraq" could be his finest work yet. The one-hour documentary tells the war stories of 12 local soldiers, two journalists and one government official. It features their voices, their thoughts, their memories and their video footage from Iraq. Vituccio says the film is about ordinary people enduring extraordinary circumstances.

"It's pretty perfect," said Dan Driscoll, who served in Iraq as an Army tank commander before enrolling in the master's degree program at Carnegie Mellon's Entertainment Technology Center (ETC).

Driscoll and several other Iraqi War veterans, two of which were in the film, attended the Three Rivers Film Festival premiere of "In Service: Pittsburgh to Iraq" last month at the Regent Square Theater in nearby Edgewood.

"It gives the soldiers' voice. It's really intense. I love it. It's great, one of the best documentaries I've seen," said Daniel Connerly, who was in the film.

"This documentary comes closer than anything I've ever seen," said Mark Suckfiel, who served in Iraq. "It gave me

chills. It showed the war from a soldier's perspective."

Helen Gerhardt, who drove a tractor-trailer to deliver supplies to U.S. forces in Iraq, said she "deeply respected the work." She said the film "showed how the war affected all of us."

Vituccio, who teaches visual storytelling and is director of Media Development in Communications Design at the ETC, began work on the film about two years ago after "In Service" first debuted as a live multimedia presentation, featuring three video screens, live performers and soldiers reading from their war diaries. He served as media director for the show at the request of Jeff Carpenter of the Bricolage Production Company and Andrew Swenson of Pittsburgh Filmmakers. Carpenter conducted the interviews with the soldiers after they returned home to Pittsburgh.

"I had over 60 hours of interviews and footage and used maybe a third for the multimedia piece," Vituccio said. "I thought there was so much great material that I decided to work on it the last two years to make it into a traditional documentary. The video the soldiers shot are behind-the-scenes stuff, which is pretty incredible."

In the film the soldiers, a photographer from Getty Images, a CNN reporter and a former Deputy Assistant Secretary of State chronicle their experiences — from learning of their deployment and arriving in Iraq, to avoiding gunfire, detonating Improvised Roadside Devices (IEDs) and killing insurgents.

"You really don't know what life is like until you're in a gunfight," says one



A STILL FROM "IN SERVICE: PITTSBURGH TO IRAQ" HELPS TELL THE STORY OF PERSONAL EXPERIENCES IN WAR.

soldier in the film. "Fear kicks in, goes away quickly and then adrenaline kicks in. It's a rush, an experience you've never experienced before."

Carpenter's brother, Scott, who served as deputy assistant secretary of state, tells the story of witnessing a captive Saddam Hussein being interrogated.

"He [Hussein] looked nervous and defiant. 'Why did you attack your people in Halabja?' he was asked. (Hussein used poisonous gas to kill thousands of Iraqis in Halabja, a Kurdish town in Iraq, during the Iran-Iraq War in 1988.) And he simply said, 'They were traitors, they deserved to die,'" Scott Carpenter said.

Vituccio said he's happy with the finished product and plans to submit the film to other festivals.

"I showed actor Anthony Daniels (C-3PO in Star Wars) a rough cut and he said it was nothing like what you see on CNN," Vituccio said. "He said it shows

you this whole other vision of what it's like to be in war. So, I'm happy with it. I think it's a pretty intense piece."

Vituccio has been at Carnegie Mellon for more than 25 years. He's developed, written and produced numerous award-winning films, videos, CDs, DVDs, Web sites and multimedia projects for Carnegie Mellon and corporate and commercial clients. A film and video production teacher at Pittsburgh Filmmakers, Vituccio has worked with Paul Goodman, the Richard M. Cyert Professor of Organizational Psychology at the Tepper School, on several of his documentaries that have aired on PBS.

Some of Vituccio's recent projects include "The Port of Philadelphia," a mini IMAX film for the Independent Seaport Museum; a synthetic interview with Abraham Lincoln for the National Civil War Museum in Harrisburg; and a second synthetic interview with Charles Darwin for the Carnegie Science Center.

IS Class Helps Steelers Quarterback's "In the Pocket" Event

■ Shilo Raube

On the field, Pittsburgh Steelers quarterback Charlie Batch is known for his reliable and accurate throwing arm. Off the field, he's known and recognized for his dedication to mentoring children through his Best of the Batch Foundation.

For the past two years, Batch has held the "In the Pocket" fundraiser to benefit Best of the Batch's reading and computer literacy program. The event features Batch, his teammates and other local celebrities playing friendly games of ping-pong, pool and poker. However, everything from registration to game management and scoring was handled on paper — causing logistical difficulties from game queue management to real-time scoring.

To ensure that this year's event ran more smoothly and showcased real-time results, Batch teamed up with the information systems (IS) application course — a senior-level course within the College of Humanities & Social

Sciences' Program. Students Thomas Flavin, Meredith Huffsmith, Phillip Pantalone and Amritha Prasad worked under faculty advisors Jeria Quesenberry and Larry Heimann to design and build an event scheduling system for "In the Pocket."

The project team attended the third annual event in November and unveiled their work — a software application that registered and checked-in players, updated schedule changes, informed players of game times and displayed live results on a large, projected scoreboard.

"The project was a huge success," said Quesenberry, an IS assistant teaching professor. "In 12 weeks, the students met with the foundation's leadership and delivered a customized and reusable application. A similar commercial software solution would have cost the foundation several thousand dollars, so by working with us, they were able to improve their event without spending



STUDENTS CREATED AN EVENT SCHEDULING SYSTEM FOR CHARLIE BATCH'S ANNUAL FUNDRAISER "IN THE POCKET." THE TEAM INCLUDED MEREDITH HUFFSMITH (FRONT ROW FROM LEFT), AMRITHA PRASAD, CHARLIE BATCH AND PROFESSOR JERIA QUESENBERRY. IN THE SECOND ROW IS LATASHA WILSON OF THE BEST OF THE BATCH FOUNDATION, PROFESSOR LARRY HEIMANN, THOMAS FLAVIN AND PHILLIP PANTALONE.

money that could otherwise impact the lives of children. And, our students were able to take their classroom knowledge and apply it in a real world setting."

This semester a total of 15 IS teams created projects for clients, which were displayed during a presentation in

early December.

"These projects give local non-profit clients made-to-order software solutions that they otherwise couldn't afford. It's a win-win situation," said Randy Weinberg, teaching professor and head of the Information Systems program.

Barth, McCartney Named to Eberly Family Professorships

■ Jocelyn Duffy

Alison Barth and Brooke McCartney, both biological sciences faculty members, were named the most recent recipients of the Eberly Family Career Development Professorships in the Biological Sciences. The professorship, which was established in 1993, and divided into two chairs in 1997, was created to help recruit, retain and recognize exceptional biological sciences faculty in the Mellon College of Science.

"The intent [of these professorships] is to celebrate existing achievements, to inspire further achievements and to try to incentivize intellectual capital to remain in this region," said Robert Eberly III at a reception for the recipients. "These chairs and these women really exemplify what we as a family hoped to achieve when we created instruments like these professorships."

Barth, an associate professor and member of the Center for the Neural Basis of Cognition, studies plasticity in neurons. Her work focuses on understanding how experience transforms the properties of neurons to encode memory. She developed and patented the first tool to locate and characterize neurons activated by experience, a transgenic mouse called the fosGFP mouse. The mice have been licensed to every major pharmaceutical company in the United States and distributed to more than 80 researchers

worldwide. Barth also conducts research on epilepsy.

McCartney, an assistant professor, is a cell and developmental biologist who investigates the ways in which cells communicate with each other and how those cellular signals influence cell fate and the organization of the cytoskeleton during development. She studies the basic cellular functions of the human colon cancer tumor suppressor, Adenomatous polyposis coli (APC). Her research has revealed the mechanisms by which APC localizes in a cell, among other characteristics. These findings may provide new insights into cellular function during development and contribute to the understanding of APC's role in colon cancer initiation.



ACTING BIOLOGICAL SCIENCES DEPARTMENT HEAD JOHN WOOLFORD, PROVOST MARK KAMLET, ROBERT EBERLY III, ASSOCIATE PROFESSOR ALISON BARTH, MELLON COLLEGE OF SCIENCE DEAN FRED GILMAN, ASSISTANT PROFESSOR BROOKE MCCARTNEY, AND PRESIDENT JARED COHON ATTENDED A RECEPTION CELEBRATING BARTH AND MCCARTNEY'S NEW PROFESSORSHIPS.

PHOTO BY KEN ANDREYO

MLK Jr. Day Activities Explore University Culture CONTINUED FROM PAGE ONE

President's DAC and assistant vice president of Diversity and Equal Opportunity Services, said, "The implementation plan section of the draft document remains to be written through collaborative exchanges of the President's DAC with the university community. We would like for this year's Community Conversation to be one of many such planned exchanges."

Later in the afternoon, the campus community will gather in the Purnell Center lobby to begin a candlelight march to the University Center. The march is an opportunity for the community to demonstrate support for civil rights and

opposition to racial segregation.

Carnegie Mellon's celebration will conclude with student speakers, Kristine McPherson, a senior in statistics and professional writing, and Francisco Santiago, a junior in mechanical engineering, and a keynote address, "Nobody Knows de Trouble I've Seen," by James H. Cone, the Charles A. Briggs Distinguished Professor of Systematic Theology at Union Theological Seminary in New York. The event begins at 5 p.m. in Rangos Ballroom.

An ordained minister in the African Methodist Episcopal Church, Cone focuses his research and teaching on

Christian theology, with special attention to black theology and the theologies of Africa, Asia and Latin America, as well as 20th century European-American theologies. His current research focuses on the theological relationship between the cross and the lynching tree.

Cone is the author of 11 books and has received numerous honors and awards including eight honorary degrees and induction into the Arkansas Black Hall of Fame.

Updates regarding Martin Luther King Jr. Day will be posted at www.studentaffairs.cmu.edu/first-year/mlk/index.html.

NEWS BRIEFS

Loan Available to Staff During Pay Transition

The Carnegie Mellon University Federal Credit Union is offering a special loan to staff transitioning to the bi-weekly pay schedule. The loans are available from Dec. 7 through Jan. 8 at a 3 percent APR. Loans up to \$500 are repayable over seven pay periods, and loans up to \$3,000 are repayable over 13 pay periods. Payment terms will begin in January. Credit Union membership is required for these loans, and is open to all Carnegie Mellon employees. Stop by the Credit Union on lower level of the University Center for more information, or visit their Web site at www.andrew.cmu.edu/org/cmu-cu/.

Researcher: People More Likely To Blame Outside Sources

Carey K. Morewedge, an assistant professor of social and decision sciences, reveals people attribute external agents — other people or supernatural forces — when something goes wrong, but not when things happen the way they wanted or expected. His research, published in November's *Journal of Experimental Psychology: General*, suggests that this hap-

pens because people are naturally motivated to believe outcomes were due to someone's intentions rather than pure chance, and only take credit for their positive outcomes.

"Pointing a finger at someone or a thing gives people a satisfactory explanation for an event, and blaming a negative event on someone else is more satisfactory than blaming yourself," Morewedge said. "This is important for understanding why people are so prone to blame other political, social, ethnic or religious groups for their misfortune."

Parking Spaces Available

There are parking spaces available in several campus lots. Faculty and staff have the option to pay the monthly rate. Students must pay for the remainder of the parking year ending on June 30. Please visit the parking office on the lower level of the University Center to reserve a spot. For more information visit www.cmu.edu/parking/index.html.

Media Relations Recognized

Media Relations Specialist Abby Houck received an honorable mention award from PR News in the "PR on a Shoestring Budget"

category for her work in promoting "Sneakerology 101," the student-taught course about the history of sneakers and their impact on society and culture. PR News is a weekly newsletter for public relations professionals. Watch the video of the StuCo class at www.youtube.com/watch?v=MMZN1NxXK00 and read more about the project at www.cmu.edu/news/archive/2009/April/april13_reebokpartnership.shtml. Houck wrote a story on the project for the February 2009 issue of the *Piper*.

BSA Celebrates 10 Years

Carnegie Mellon is celebrating the 10th anniversary of its Bachelor of Science and Arts (BSA) program, a joint interdisciplinary program between its College of Fine Arts (CFA) and Mellon College of Science (MCS).

Ten years ago, students expressed a desire for an academic program that allowed them to combine their artistic and scientific passions with scholarship, resulting in the creation of the BSA program. Different from a traditional double major, the BSA is an integrated degree that joins fine arts and natural sciences or mathematics scholarship, allowing the student to develop and cultivate their interests simultaneously.

"The BSA program is not the summation of two interests," said Franco Sciannameo, director of Carnegie Mellon's Interdisciplinary Degree Programs (BXA). "Students don't develop one interest and then the other, but develop a strategy to combine them in a way that will generate something new and ultimately give us new forms of knowledge."

The BSA program is part of Carnegie Mellon's Interdisciplinary Degree Programs, which also includes a Bachelor of Humanities and Art (BHA) and Bachelor of Computer Science and Art (BCSA). Since its creation, enrollment in BXA programs has grown to more than 100 students.

Newspaper Recognizes Design Professor

Eric Anderson, associate professor in the School of Design, was recognized in November by *The New Pittsburgh Courier* as one of 50 Men of Excellence. Anderson co-founded the non-profit "Designers for the Twenty First Century," a professional hub for multidisciplinary and multiethnic designers, and is president of the Industrial Designers Society of America.

Students Serve as Toy Soldiers

■ Chriss Swaney

First-year students from the College of Engineering kicked off their fourth annual U.S. Marine Corps Toys for Tots drive with a mobile World War II museum and a dove release to signify hope and peace.

“Toys for Tots means a lot to me because it gives me the opportunity to give back some of what I have and give children a great holiday,” said Alex Etling, a member of the College of Engineering’s First-Year Advisory Board (FAB), a group that started raising money and collecting toys for the Toys for Tots program four years ago. The FAB is designed to help freshmen adjust to the rigors of college life. Other FAB team members this year include Sarah Zakrajsek, Yi Shi and Anisha Vyas.

“This year’s group has raised almost \$300 toward a goal of raising the most for this event since its inception,” said Andrew Goldberg, a senior majoring in mechanical engineering. “Each year, the tradition grows stronger and each year’s FAB group continues to amaze me with their passion for doing this.”

Carnegie Mellon University Police assisted students in collecting toys during the drive. Students Bianka Roy and Sangita Sharma also collected gifts of lipstick and cosmetics for the mothers and wives of injured U.S. Army soldiers who survived the recent tragedy at Fort Hood in Texas. Krista Troy Foster of Saks Fifth Ave. in Pittsburgh contributed specially packaged gifts for Carnegie Mellon’s new Lipstick and A Smile program.



PHOTO BY KEN ANDREYO

A MARINE ACCEPTS TOYS FROM ANISHA VYAS, A FIRST-YEAR ENGINEERING STUDENT.

FOOD DRIVE A SUCCESS



PHOTO BY KRIS HUTCHINGS

Mike Haas, assistant director of annual giving, assisted in unloading the donations from Carnegie Mellon’s 16th Annual Food Drive at the Greater Pittsburgh Community Food Bank. Sponsored by Staff Council, the food drive had its most successful year ever this fall. Members of the campus community contributed 7,896 pounds of food and \$1,702.10. The non-profit organization located in Duquesne collects, stores and distributes food and household products to nearly 350 charitable agencies in southwestern Pennsylvania through soup kitchens, food pantries, shelters, day care and senior centers for low-income people, and special care facilities. For more information about Staff Council visit www.cmu.edu/staff-council/.

United Way Campaign Continues

There’s still time to support Carnegie Mellon’s United Way Campaign. The United Way fund supports many social and community programs for at-risk children, senior citizens and needy families in the region. To pledge online or download a paper pledge form, visit www.cmu.edu/hr/united-way.html.

Morgan Honored by Society for Risk Analysis

M. Granger Morgan received the 2009 Distinguished Educator Award from the Society for Risk Analysis (SRA) during the society’s annual meeting in Baltimore. The award is given to a teacher, author or mentor who has contributed substantially to the training of new experts in risk analysis.

Morgan, head of the Department of Engineering and Public Policy (EPP), has worked for more than two decades on research addressing problems in science, technology and public policy with a particular focus on energy, environmental systems, climate change and risk analysis. He is a University Professor, the highest honor a faculty member can achieve at Carnegie Mellon, and holds the Thomas Lord Chair in Engineering.

Ozeas Appointed National President of Urban Music Leadership Conference

Natalie Ozeas, associate head of the School of Music, has been appointed president of the National Urban Music Leadership Conference,

the nation’s premier organization supporting music education in urban school districts. As president, Ozeas will become a liaison to MENC: the National Association for Music Education, and will serve as a public policy advocate for music in the public schools. A champion of music programming in urban areas, Ozeas has been awarded several high-profile grants for keyboard instruction, spoken word sessions and world drumming projects in the Pittsburgh Public School District.

On behalf of the leadership conference, Ozeas will meet with school administrators, teachers and professors across the country to address concerns in public and private school music education programs in urban areas.

Improving Energy Storage Technologies

Jay Whitacre is the primary technical investigator for one of 16 awards from the U.S. Department of Energy in support of the development of energy storage technologies that will allow for expanded integration of renewable energy resources for the U.S. power grid. The \$5 million award from the Department of Energy — which comes with \$5 million in cost sharing

from funding partners — is part of a \$1.6 billion package supported by the American Recovery and Reinvestment Act and the private sector to support Smart Grid projects nationwide.

Whitacre, an assistant professor of materials science and engineering, and engineering and public policy at Carnegie Mellon, will direct the technical aspect of the work, which will be shared between research labs at Carnegie Mellon and a new university spinoff company called 44 Tech in Lawrenceville.

Beginning Piano for Adults; Register Now

Always wanted to learn piano, but never got around to taking lessons? Register now for Beginning Piano for Adults, offered through the Community Music School at Carnegie Mellon. Led by Carla LaRocca, lecturer in Keyboard Studies, this course focuses on keyboard theory and technique, sight reading, solo and ensemble repertoire, transposition and improvisation. This group class meets in Margaret Morrison 119A on Mondays from 7 – 7:50 p.m., and the fee for the 14-week course is \$350.

Andrew ID Password Change Required

Computing Services is reminding faculty, staff and students that all Andrew account passwords must be changed prior to 9 a.m., Wednesday, Jan. 27, 2010. For more information, including password requirements and steps for changing your Andrew account password, visit <https://www.cmu.edu/computing/news/status/andrew/>. Any passwords not changed by Jan. 27, 2010, will expire, and users will not have access to services such as email, calendar, Carnegie Mellon Web Portal and more.

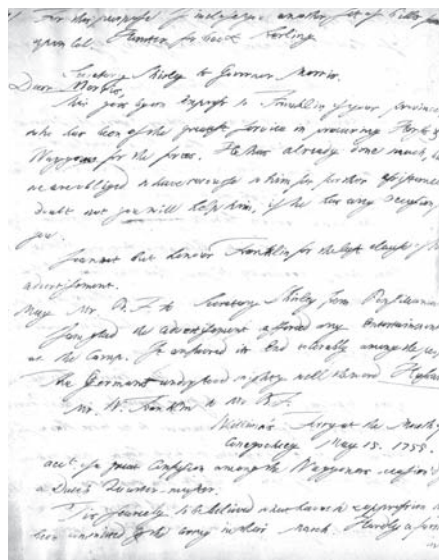
The reason for the change is that Carnegie Mellon is joining other universities, government organizations and companies as a member of the InCommon Federation. Membership requires that all Andrew account holders create new passwords. Membership in the federation allows students, faculty and staff to use their Andrew userID and password to access services provided by other federation members. Similarly, Carnegie Mellon will be able to offer reciprocal services to constituents of federation members.

LECTURE SPOTLIGHT: NEW WRITINGS FROM BENJAMIN FRANKLIN UNCOVERED

■ Heidi Opdyke

Alan C. Houston was on the last item on his last day of his last European research trip for a book on Benjamin Franklin when he stumbled upon something unusual at the British Library.

"I had spent the day looking at events from Fort Duquesne, I was trying to dot all the Is and cross all the Ts, and make sure that nothing had been missed in the published record," said Houston, a professor in the Department of Political Science at the University of California San Diego.



RESEARCH UNCOVERED 47 LETTERS TO OR FROM BENJAMIN FRANKLIN THAT HAD BEEN UNKNOWN.

What he uncovered were letters regarding the march of General Braddock toward Fort Duquesne, at what is now Point State Park in Pittsburgh, in 1755. Braddock never made it to Fort Duquesne; he was fatally wounded in a battle with French and Native Americans a few miles short of his destination.

"The very first thing I looked at was a letter from Benjamin Franklin to the Secretary of the Governor of Maryland," said Houston who was recently appointed provost of UCSD's Eleanor Roosevelt College.

"It didn't look at all familiar. ... As I flipped through the rest of the volume, my heart was starting to pound and I

really felt myself vibrating in my chair. I checked all of my notes, and I couldn't find any reference to it, and it dawned on me that these things were new."

In all, Houston found 47 letters to or from Franklin that until April 2007 had been unknown. All date to 1755 and document Franklin's early contributions to the Seven Years War. He will discuss his find and research at 4:30 p.m., Wednesday, Jan. 20 in McConomy Auditorium.

Houston said the reason the letters might not have been recognized is because they were copies of originals made by Thomas Birch, a friend and intellectual who transcribed many materials he thought were important for his own writings. Nearly 400 volumes of Birch's work reside in the British Library.

"There are three types of letters," Houston said. "Most are complete copies of the originals, some include Birch's paraphrases, and in a handful of cases there is just a heading."

The original letters have been lost to history, and while Birch's copies remain in the archives of the British Library, they are now available at an interactive Web site hosted by William and Mary Quarterly, which published Houston's research in April.

Despite the connections to the region in his research, Houston said this will be his first visit to Pittsburgh. The lecture is intended for anyone with an interest in Pennsylvania and American history.

"Part of what is exciting is that working on Benjamin Franklin is the breadth and depth of his interests and accomplishments. It is extraordinary," Houston said. "He's a terrifically important political leader, an intellectual of the highest order and, unlike some of the other founding fathers, he had a great sense of humor."

"The thing about Franklin is he turns out to be different from the stereotype of the charming yet exceedingly practical American icon."

Outside of Franklin's interest in Pennsylvania's participation in the British Empire, the letters offered Houston new

WHO: ALAN C. HOUSTON, PROFESSOR OF POLITICAL SCIENCE, UNIVERSITY OF CALIFORNIA SAN DIEGO

WHAT: "DOING HISTORY, MAKING NEWS: NEW DISCOVERIES IN THE LIFE OF BENJAMIN FRANKLIN"

WHEN: 4:30 P.M., WEDNESDAY, JAN. 20

WHERE: MCCONOMY AUDITORIUM, UNIVERSITY CENTER

details about how local farmers and military troops behaved during the era.

A political theorist, Houston's research focuses on the development of liberal, republican, and democratic ideas in Europe and America. His interests also include legal theory and constitutional law. He is the author of "Algernon Sidney and the Republican Heritage in England and America," for which he won both the 1990 Leo Strauss Award and the 1992 Foundations of Political Theory Book Award, and co-editor (with Steve Pincus) of "A Nation Transformed: England After the Restoration." He is the editor of "Franklin: The Autobiography and Other Writings on Politics, Economics, and Virtue;" his most recent publication is "Benjamin Franklin and the Politics of Improvement" (Yale, 2008). He has been a fellow in the Society of Fellows at Columbia University and the Center



ALAN C. HOUSTON

for Human Values at Princeton University. He also has received grants and fellowships from the National Endowment for the Humanities, the American Philosophical Society and the University of California. He is currently writing a book on the Levellers.

Students Help CNBC CONTINUED FROM PAGE SEVEN

to them individually, they're very, very happy. That's great to hear that."

Ida Lomibao, a music performance and professional writing major who is also in the accelerated Master of Arts Management program, helped audience members find seats in McConomy Auditorium, where people waited until the show was ready to be filmed.

"I've worked front-of-house so I'm used to this," Lomibao said, referring to helping audience members during theatrical and musical productions. "And I've done public relations work in the past so I thought this would be an interesting opportunity to see a different side of the field."

Hannah Post, a sophomore in professional writing and French, said she loved watching how the show was put together.

"My favorite part overall was meeting the production team and watching them work, because this gave me a glimpse into a career field I previously hadn't known much about," Post said.

Charles Rawlins, a junior in music and technology, was among the students who volunteered for the show. He and other students sat on the "hot seats" under the lights holding photos of the panelists while CNBC crew members adjusted equipment during the morning. He aided with crowd control later in the day.

"My adviser thought that it would be cool to see the production areas and check it out," Rawlins said. "It was awesome. Everyone who works for CNBC was really nice and helpful. It's been pretty fun."

STAY POSTED

with Carnegie Mellon
Internal Communications

Is the Piper helping to keep you informed of campus news and events? Is it something you enjoy receiving and reading? If you haven't done so already, there's still time to fill out the Piper's survey online at <http://bit.ly/PiperSurvey09>. It should only take you about 10 minutes to complete. Provide as much detail as possible in your responses — the more you share, the more we can learn about how the Piper can best

serve you. Please send us your responses by Jan. 4. Thank you in advance for your feedback.

piper TRIVIA

In lieu of a trivia question this month, send us your best Carnegie Mellon-related digital image from 2009. Four winning images will be selected by Internal Communications and printed in the February issue of the Piper. Those submitting the four winning images will receive a Carnegie Mellon golf umbrella. The deadline for submissions is 5 p.m., Friday, Jan. 8. Entries should be sent to Bruce Gerson at bg02@andrew.cmu.edu with "December Piper Trivia" in the subject line. Previous winners are ineligible.