

Teens Who Choose Music Over Books Are More Likely to Be Depressed, Primack-Led Study Finds

By Jennifer C. Yates

Adolescents who spend more time listening to music are far more likely to have major depressive disorder, while young people who spend more time reading books are far less likely to have such a diagnosis, according to a University of Pittsburgh study published in the April edition of the journal *Archives of Pediatric and Adolescent Medicine*.

The findings add to the growing body of research linking emotional health to media exposure. The study was unique in that it was one of the first to measure media exposure using an intensive “real-life” methodology called ecological momentary assessment, in which the behaviors of study participants are repeatedly sampled in real time. The method is more reliable than standard surveys and helped researchers recognize this large association between exposure to music and depression, said Brian Primack, an assistant professor of medicine and pediatrics in Pitt’s School of Medicine, who led the study.

The study involved 106 adolescent participants, 46 of whom were diagnosed with major depressive disorder. Researchers called the participants as many as 60 times during five extended weekends over two months and asked them to report whether they were using any of six types of media: television or movies, music, video games, the Internet, magazines or newspapers, and books.

The researchers found that young people who were exposed to the most music, compared to those who listened to music the least, were 8.3 times more likely to be depressed. However, compared to those with the least time exposed to books, those who read books the most were one-tenth as likely to be depressed. The other media exposures were not significantly associated with depression.



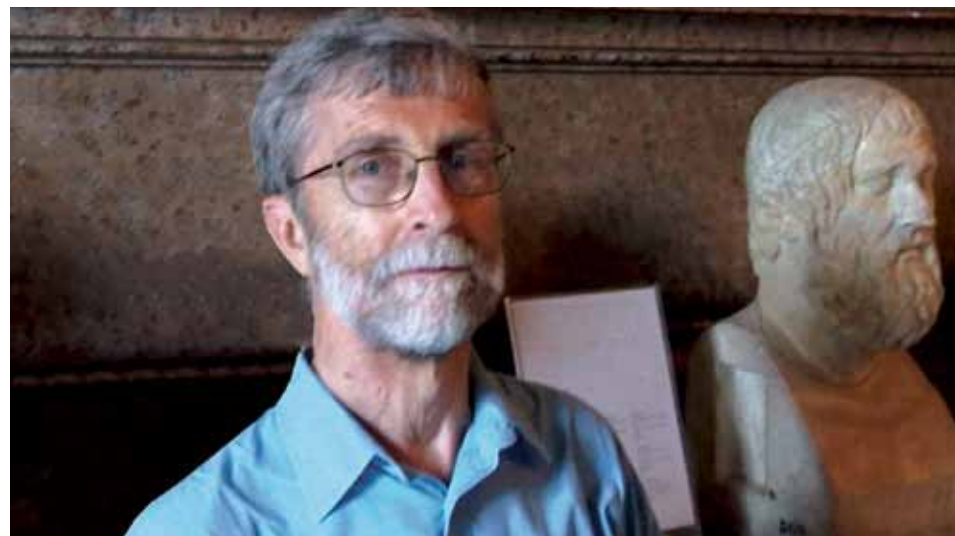
Brian Primack

“At this point, it is not clear whether depressed people begin to listen to more music to escape, or whether listening to large amounts of music can lead to depression, or both. Either way, these findings may help clinicians and parents recognize links between media and depression,” Primack said. “It also is important that reading was associated with less likelihood of depression. This is worth emphasizing because overall in the United States, reading books is decreasing, while nearly all other forms of media use are increasing.”

Major depressive disorder, also referred to as clinical or major depression, is the leading cause of disability in the world. Its onset is common in adolescents and is thought to affect one in 12 teenagers, according to the National Institute of Mental Health.

The study’s other authors were based not only in the Pitt School of Medicine, but also at the RAND-University of Pittsburgh Health Institute, the University of North Carolina, and the University of California, Berkeley.

The study was supported by funding from the National Cancer Institute, the National Institute of Mental Health, and by the RAND-University of Pittsburgh Health Institute.



John McDowell

Pitt Philosopher John McDowell Honored With Mellon Foundation Distinguished Achievement Award

By Morgan Kelly

University of Pittsburgh philosophy professor John McDowell’s work urging his colleagues to be more in touch with their human side when pondering the natural world has earned him a 2010 Distinguished Achievement Award from the Andrew W. Mellon Foundation. The honor, one of the most prestigious awards in the humanities, includes a \$1.5 million grant.

McDowell, Distinguished University Professor of Philosophy in Pitt’s School of Arts and Sciences, was one of only three Mellon achievement award recipients nationwide this year, along with scholars from Princeton University and the University of Pennsylvania. Established in 2001, the Mellon achievement award

recognizes humanities professors who have had a lasting influence on their students and colleagues and supports ongoing work that promises to make a significant contribution to the recipient’s field and to overall humanistic inquiry.

“As a recipient of the Andrew W. Mellon Foundation’s Distinguished Achievement Award, John McDowell joins an elite group of scholars whose academic endeavors have exemplified and advanced the vital role that the humanities play within our educational institutions and society at large,” said Pitt Chancellor Mark A. Nordenberg. “His significant contributions to philosophy have

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Blue, Gold, and Green: Sustainability at Pitt

With this issue, the *Pitt Chronicle* is launching a series of articles about sustainability research and initiatives at the University of Pittsburgh. The first two articles—one about the innovative composting practices implemented last year at Pitt’s Market Central and the other about the 2011 Engineering Sustainability conference—appear on pages 4 and 5.

Pitt Students, Alumni Rally in State Capitol’s Rotunda

By Sharon S. Blake

About 360 Pitt students let their voices be heard in the State Capitol rotunda on April 5 as part of Pitt Day in Harrisburg—an annual opportunity for Pitt students, alumni, faculty, and staff to lobby state lawmakers about legislation important to higher education. This year’s event was made particularly meaningful as those in attendance appealed to lawmakers not to pass the Corbett administration-proposed budget’s 50-percent cut in the state’s appropriation for Pitt and the other state-related universities.

The Pitt students, many of whom have been writing letters to legislators in Harrisburg and rallying on campus, filled the rotunda staircase and chanted “P-I-T-T!” before a number of Allegheny County lawmakers spoke about their opposition to the proposed cuts.

State Rep. Dan Frankel (D-District 23), whose district includes the University’s Pittsburgh campus, says the proposed cuts have been “placed squarely on the backs of students.” Rep. Matt Smith (D-District 42) of Mt. Lebanon urged the young people to “fight for full restoration” of the money,

Continued on page 3



Chancellor Nordenberg addresses the crowd of Pitt students and alumni at the State Capitol in Harrisburg

Briefly Noted



Pitt Partnership For Food Held Throughout April

By Amanda Leff Ritchie

The University of Pittsburgh is holding its annual food drive, *Pitt Partnership for Food*, throughout April to benefit the Greater Pittsburgh Community Food Bank and Oakland Food Pantry.

In addition to bringing nonperishable food donations to campus, employees may also donate online through the virtual drive. By making monetary donations in this way, the food bank can purchase, transport, and distribute the exact food items it needs. The virtual food drive complements the Greater Pittsburgh Community Food Bank's strong relationships with food industry partners and cost-effective operations—allowing employees to give the most nutritious food items possible per dollar. Donate online at www.pittsburghfoodbank.org/pitt.

As part of the Chancellor's Challenge, the University will match each contribution with an additional unit of food.

For more than a decade, Pitt has ranked among the 10 most successful Pittsburgh-area employers in annual spring food drives. During that time period, the University's contributions have totaled more than two million units of food.

There are approximately 500 drop-off boxes across campus. For assistance or questions, contact Steve Zupcic, assistant director of Pitt's Office of Community Relations, at 412-624-7709 or stz@pitt.edu.



Cave Canem Foundation Sponsors Poetry Contest

The Cave Canem Foundation is hosting a poetry contest that is open to all African American writers who have not had a full-length book of poetry published by a professional press.

Manuscripts must be postmarked by no later than April 30, 2011. The contest's winner will receive \$1,000, publication by the University of Pittsburgh Press in fall 2012, 15 copies of the book, and a feature reading. For more information, visit www.cavecanempoets.org.

Established in 1996, Cave Canem is a nationwide fellowship founded by Pitt Professor of English Toi Derricotte and poet Cornelius Eady that cultivates the artistic and professional growth of African American poets.

—Ashley Gredzinski



According to American literary critic and author Fredric Jameson, Chow's writing "completely restructures the problem of ethnicity," noting that future discussions about the subject "will have to come to terms" with her ideas.

Chow is the author of numerous books, including *Primitive Passions: Visuality, Sexuality, Ethnography, and Contemporary Chinese Cinema* (Columbia University Press, 1995), which received the James Russell Lowell Prize from the Modern Language Association; *Sentimental Fabulations, Contemporary Chinese Films* (Columbia University Press, 2007); and *Ethics after Idealism* (Indiana University Press, 1998).

Chow's work has been widely anthologized and translated into major foreign languages.

Chow earned her Ph.D. at Stanford University and was an Andrew W. Mellon Professor of the Humanities at Brown University before assuming her Duke professorship.

—Ashley Gredzinski



Rey Chow

Pitt to Host Duke Professor Rey Chow in April 14 Lecture

The University of Pittsburgh will feature Rey Chow, Anne Firor Scott Professor of Literature at Duke University, in a lecture titled "Framing the Original: Toward a New Visibility of the Orient." The free public event—sponsored by Pitt's *boundary 2*, an international journal of literature and culture; Humanities Center; and Film Studies Program—will take place at 4 p.m. April 14, Room 510, Cathedral of Learning.

Pitt to Host 43rd Annual International Cabaret Ball April 16

The Nationality Council of the University of Pittsburgh Nationality Rooms Program will host the 43rd Annual International Cabaret Ball at 5 p.m. April 16 in the Kurtzman Room and Ballroom of the William Pitt Union. This year's event celebrates the 70th anniversary of the Greek and Syria-Lebanon classrooms.

The Grecian Odyssey Dancers will perform traditional Greek dances, and the Our Lady of Victory dancers will

perform traditional Arabic movements. DJ Elie Mansour will play Syrian-Lebanese, Greek, and contemporary American pop music. Ethnic dress is encouraged.

The Nationality Council is the governing body of the Nationality Rooms committees and helps raise funds to provide scholarships for Pitt students to study around the world. Nationality Rooms Summer Abroad Scholarship winners from 2011 are invited as guests of the committees.

For more information, call the Nationality Rooms Program office at 412-624-6150.

—Ashley Gredzinski

Pitt Sets April 18 Lecture by Philanthropist Gara LaMarche

The Philanthropy Forum at the University of Pittsburgh Graduate School of Public and International Affairs (GSPIA) will present a lecture by Gara LaMarche, president and CEO of Atlantic

Philanthropies. Hosted by GSPIA's Johnson Institute for Responsible Leadership, the free public lecture will take place at 3 p.m. April 18 in Ballroom A of Pitt's University Club.

LaMarche's talk is titled "Advancing Social Change: Global Philanthropy, Human Rights, and Health."

The Atlantic Philanthropies is an international grant-making foundation dedicated to

spurring lasting changes in the lives of the disadvantaged by focusing on four areas of social challenges: aging, children and youth, population health, and reconciliation and human rights.

GSPIA's Philanthropy Forum offers a university-based setting to explore philanthropy's impacts and intentions.

An RSVP is required. For more information or to RSVP, contact the Philanthropy Forum at gspiapf@pitt.edu or at 412-648-1336.

—Ashley Gredzinski



Gara LaMarche

Pitt GSPH to Hold April 15 Symposium on Health Disparities

The University of Pittsburgh Graduate School of Public Health's Center for Minority Health and Minority Student Organization will host a symposium titled "Health Disparities or Health Equity: Advancing the Dialogue" from 9 a.m. to 2 p.m. April 15 at the Twentieth Century Club, 4201 Bigelow Blvd., Oakland.

Speakers will include Fatima Jackson, director of the Institute of African American Research at the University of North Carolina, Chapel Hill; Janet Southerland, dean of Meharry Medical College's School of Dentistry; and Alberto Cardelle, chair of the Department of Health Studies, East Stroudsburg University.

Registration is not required; a continental breakfast and lunch will be served on a first-come, first-served basis. This event is made possible by Pitt's Provost Development Fund and The Commonwealth Fund. For more information, visit www.publichealth.pitt.edu/events.php.

—Ashley Gredzinski

PittChronicle

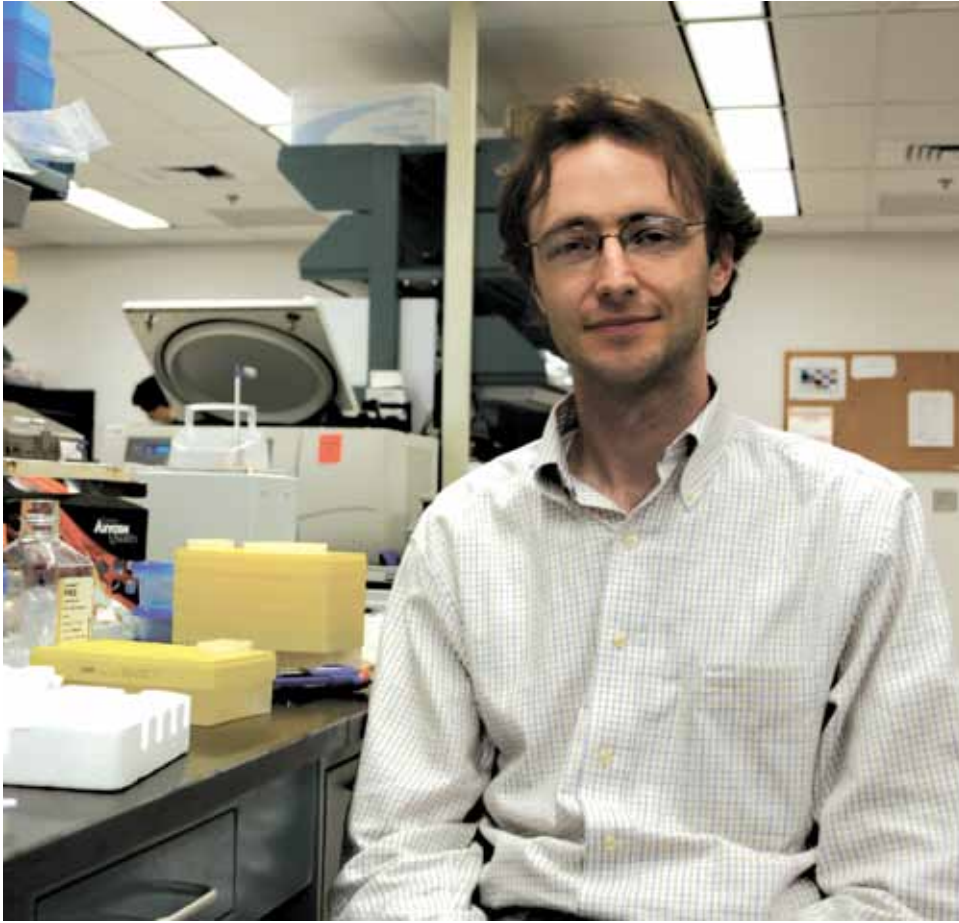
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Pitt-Stanford Research Suggests Aimless Proteins Crucial to Disease



Jon Boyle

By Morgan Kelly

Researchers from the University of Pittsburgh and Stanford University discovered that a supposedly inactive protein actually plays a crucial role in the ability of one of the world's most prolific pathogens to cause disease, findings that suggest the possible role of similarly errant proteins in other diseases.

The team reports in the *Proceedings of the National Academy of Sciences (PNAS)* that *Toxoplasma gondii*—the parasitic protozoa behind toxoplasmosis—attacks healthy cells by first injecting them with pseudokinases, which are enzymes that have abandoned their original function of transferring phosphates. When the researchers engineered strains of *T. gondii* without a particular pseudokinase gene cluster called ROP5, the pathogen was subsequently unable to cause disease in mice—a notable loss of potency in an organism that can infect nearly any warm-blooded animal.

These results are among the first to implicate pseudokinases as indispensable actors in pathogen-based disease, said senior author Jon Boyle, a professor in the Department of Biological Sciences in Pitt's School of Arts and Sciences. Boyle coauthored the paper with John Boothroyd, a professor of microbiology and immunology in the Stanford School of Medicine. Boyle and Boothroyd worked with Michael Reese, a postdoctoral researcher in Boothroyd's lab, as well as Gusti Zeiner and Jeroen Saeij, former postdoctoral researchers under Boothroyd.

The Pitt-Stanford project suggests that the significance of these aimless enzymes to *T. gondii* could apply to pseudokinases in

other pathogens, Boyle said, including the parasite's close relative *Plasmodium*, which causes malaria.

"Our work shows that just because these proteins have lost their original function does not mean they don't do anything," Boyle said. "*T. gondii* cannot cause disease without them, and if one is trying to understand how pathogens work, the role of these proteins should obviously be considered."

These results are among the first to implicate pseudokinases as indispensable actors in pathogen-based disease, said senior author Jon Boyle, a professor in the Department of Biological Sciences in Pitt's School of Arts and Sciences. Boyle coauthored the paper with John Boothroyd, a professor of microbiology and immunology in the Stanford School of Medicine.

The ROP5, or rhoptry protein 5, gene cluster—so named for the specialized organelle rhoptry, which secretes them—belongs to a larger family of approximately 40 pseudokinases present in *T. gondii*. Once *T. gondii* injects ROP5 into the host cell, the parasite enters the cell and forms a protective membrane pocket, or vacuole, around itself to which ROP5 and other proteins attach. While the other secreted kinases are known to help disable or disrupt activity in the host cell, the ROP5 cluster, a kind of infectious ringleader, appeared to have a more dominant role in causing severe disease in mice than other virulence factors, Boyle said.

The team plans to further investigate the significance of ROP5 to *T. gondii*'s survival within the host, Boyle said. In the *PNAS* paper, the researchers suggest that ROP5 has undergone multiple rounds of gene duplication followed by mutation of the individual copies. Thus, the authors propose, the ROP5 cluster may act like a genetic Swiss Army Knife, a multipurpose tool that allows *T. gondii* to adapt to and infect its famously wide variety of hosts.

Pitt Students, Alumni Rally In State Capitol's Rotunda



PHOTOS BY MIKE DRALZINSKI/CUDE

STRENGTH (AND HOPE) IN NUMBERS. Top: Pitt students rallied in the Capitol rotunda on April 5, the annual Pitt Day, when they joined Pitt faculty, staff, and alumni and traveled to Harrisburg to meet with legislators and their key staff members. The students expressed their concerns about the governor's budget, which proposes a 50 percent cut in Pitt's state appropriation. Bottom: Rep. Harry Readshaw (D-District 36) met with three Pitt students—from left, Danielle Cameron, Jennifer Walsh, and Levonda Baldwin.

Continued from page 1

which directly affects Pitt's tuition rates.

"It was really touching to see the people who have the power to rectify this proposed budget speaking on our behalf," said Molly Stieber, president of Pitt's Student Government Board, who attended the rally.

Pitt Chancellor Mark A. Nordenberg reminded those in attendance that while Pitt has always stood ready to accept its fair share in helping to balance the state budget, Pitt's state appropriation has been cut six times in the last 10 years.

Even though the state House and Senate were in session for much of the day, a number of students seized opportunities to meet with local lawmakers or key members of their staffs. Stieber said she met with staff members of several Republican lawmakers as well as Gov. Corbett's chief of staff, and none of them indicated they thought the 50

Even though the state House and Senate were in session for much of the day, a number of students seized opportunities to meet with local lawmakers or key members of their staffs.

percent cuts would make it into the final budget.

Pitt Day was sponsored by the Pitt Student Government Board, Graduate and Professional Student Association, Office of Governmental Relations, and Pitt Alumni Association.

Blue, Gold, and Green: Sustainability at Pitt



Many of the people leading the transition from green thinking to green living are in Pittsburgh for the *Engineering Sustainability 2011* conference sponsored by the University of Pittsburgh's Mascaro Center for Sustainable Innovation and Carnegie Mellon University's Steinbrenner Institute for Environmental Education and Research (SEER).

Pitt, Carnegie Mellon *Engineering Sustainability 2011* Conference, Through April 12, Puts Green Ideas Into Action

By Morgan Kelly

Perhaps some societal pride can be taken in the fact that the principles and ideas of sustainability are well known and widely discussed. Now, to make them happen...

Many of the people leading the transition from green thinking to green living are in Pittsburgh for the *Engineering Sustainability 2011* conference sponsored by the University of Pittsburgh's Mascaro Center for Sustainable Innovation and Carnegie Mellon University's Steinbrenner Institute for Environmental Education and Research (SEER). The conference, which began April 10, continues through April 12 and is being held at the David L. Lawrence Convention Center, 1000 Fort Duquesne Blvd., Downtown.

During the 2011 conference—the fourth since the biennial event was established in 2005—more than 100 of the world's top thinkers and young entrepreneurs are presenting the latest endeavors to bring sustainable ideas to fruition, from electric vehicles and efficient sanitation systems to efforts to reuse the nation's plentiful stock of old buildings and construct better new ones. The conference is open to the public and the U.S. Green Building Council has approved 32 Green Building Certification Institute continuing-education credit hours for conference participation.

On April 11, the conference begins with plenary speakers at 8:30 a.m. and various presentations from 10:30 a.m. to 3:30 p.m.

On April 12, plenary speakers begin at 8 a.m. with topical presentations beginning at 9:30 a.m. until the end of the day. Registration and a conference schedule are available on the Mascaro Center Web site at www.mascarocenter.pitt.edu/conference. Descriptions of selected presentations follow.

- Gavin McIntyre, cofounder of Ecovative Design, will explore the use of fungi as a next-generation material during the "Green Building Projects" session at 10:30 a.m. April 11. McIntyre is coinventor of Greensulate, a biodegradable home insulation made of plant byproducts that has been featured in *Popular Science* and on CNN, among other media outlets.

- Frank Rijsberman, director of the Water, Sanitation, and Hygiene Initiative for the Bill and Melinda Gates Foundation, will discuss during the 9:30 a.m. April 12 "Sustainable Water" session the global challenges of ensuring that people

have clean, plentiful, and reliable sources of water.

- Eric Williams, a renowned Arizona State University professor of civil and environmental engineering who has testified before the U.S. Congress on sustainability issues, will open the "Green Building and Energy" session, which begins at 9:30 a.m. April 12, by talking about the trials—and overwhelming benefits—of designing energy-efficient homes.

- Architect Laura Nettleton, of the Pittsburgh company Thoughtful Balance, Inc., and Jonathan Iams, of Pittsburgh firm Iams Consulting, will discuss the conversion of shuttered schools—sprawling structures of which Pittsburgh has no shortage—into green residences during the "Green Building Case Studies" session beginning at 9:30 a.m. April 12. Nettleton was codesigner for a recent \$22 million project to convert Mt. Washington's blighted South Hills High School into a retirement residence.

The April 11 plenary session begins at 8:30 a.m. with Gregory Keoleian, cofounder and codirector of the University of Michigan's Center for Sustainable Systems, as well as a leading researcher of assessing such sustainable systems and products as energy, transportation, and food packaging. He's followed at 9:30 a.m. by Carl Frattini, of Northeast Utilities in Hartford, Conn., who will discuss the ability of utility companies to institute solar power, particularly by reusing such restricted land as brownfields and landfills, and the advantages of doing so.

At 12:30 p.m., Jesse Grossman, cofounder of Soltage, Inc., which supplies businesses with individual solar-power stations, will delve into the burgeoning market in practical solar-power generators for homes and businesses.

On April 12 at 8 a.m., plenary speaker Brandon Tinianov, a renowned sustainable engineer and chief technology officer for California-based Serious Materials, Inc., will present an overview of the energy-saving benefits of retrofitting buildings with efficient technology.

In lieu of conference swag, the Mascaro Center and SEER will offset the more than 97 short tons of carbon churned out by attendees with a contribution to methane reduction projects at farms in Maryland, New York, and Pennsylvania. *NativeEnergy*, a Native American-owned renewable energy company, is helping the farms install a manure digester and 100-kilowatt biogas-fired electrical generator.

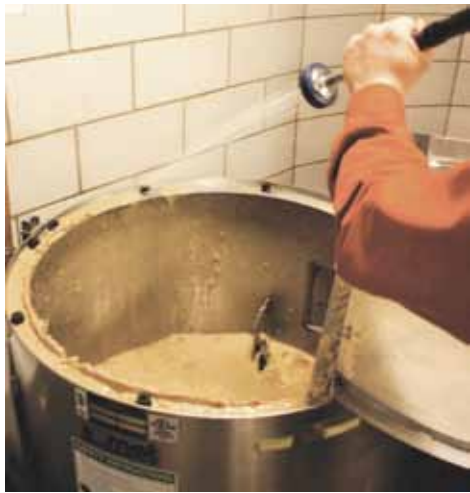
Other green steps undertaken by the conference organizers include hosting the event at the David L. Lawrence Convention Center—a LEED-certified GOLD Green Building—as well as serving locally grown food, using washable dishware and utensils, serving drinks in pitchers, and distributing the conference proceedings on CDs rather than on paper. All printed material will be on recycled paper.



During the 2011 conference—the fourth since the biennial event was established in 2005—more than 100 of the world's top thinkers and young entrepreneurs are presenting the latest endeavors to bring sustainable ideas to fruition, from electric vehicles and efficient sanitation systems to efforts to reuse the nation's plentiful stock of old buildings and construct better new ones.



Table to Farm: Composting System in Pitt's Market Central Puts Waste to Good Use



Tod Shoenberger, unit manager for Sodexo, rinses the inside of the pulper, an industrial-sized blender that grinds food and other organic matter into a slurry. In October, Shoenberger used the resulting compost on his home rose garden with excellent results, he said.

By Morgan Kelly

In an interesting twist to the concept of farm to table, the University of Pittsburgh's Dining Services takes an additional step with some of the food it receives from Western Pennsylvania farms—it sends it back, but in the form of clean, nitrogen-rich fertilizer processed on campus.

Since August 2010, uneaten food from Market Central, Pitt's largest dining room, has gone into an industrial composting system constructed in the lower level of Litchfield Towers. Everything from half-eaten apples to picked-at hamburgers are ground, baked, dehydrated, and reborn as compost. On top of helping local farmers produce future lunches for Pitt students, the composting system has significantly reduced the waste that would otherwise leave the University destined for a landfill.

One assumes that anything consuming up to 900 pounds of food every day would stand out, even among the 5,000 ravenous students that gather each day in Market Central. Yet the composting system is a tucked-away collection of three machines in separate locations connected by pipes beneath Market Central's kitchen floor.

The process begins when satiated diners leave their trays, cutlery, and scraps on a conveyor belt that transports this midday flotsam into the kitchen. Workers separate the organic waste by hand, dropping food, napkins, chopsticks, and biodegradable flatware and cutlery into a stainless-steel trough. A constant stream of water in the trough feeds the waste past a giant magnet that removes stray silverware and into the pulper, an industrial-sized blender. Even this process has a green touch. Before the composting system was installed, the trough used a constant flow of fresh water, explained Sony Rane (CBA, A&S '10), marketing and sustainability coordinator

for Dining Services. Now, fresh water is added in the morning and then filtered and recycled throughout the day, a process that saves 90,000 gallons of water each year.

Once the organic material is reduced to a rather less appetizing slurry, it flows underneath the kitchen into a cramped room housing an enormous extractor that strains water from the organic pulp. The water heads back to the trough, while the pulp slides down a chute leading to the loading dock on the other side of the room's back wall.

It is on the loading dock that two large composting ovens bake the damp food paste at 180 degrees Fahrenheit for 18 hours. What emerges is sterile biomass with the feel of sawdust. Local farmers and gardeners in the community collect the biomass and mix it with carbon-rich compost, such as leaves or grass clippings. Thus, the nutrient loop between Pitt and the farms that supply the University is closed, Rane said.

But the benefit of Pitt's composting system extends beyond the farm, explained Susan Fukushima, resident district manager for Sodexo, which operates Market Central. The food that ends up as boxes of brown compost is not lingering in a landfill, taking weeks to rot away inside a plastic trash bag. The amount of discarded food would be substantial. Market Central used to produce approximately twenty 55-gallon barrels of trash each day, Fukushima said—the number is now down to around three barrels.

Plus, Pitt now pays between 35 to 40 percent less to have trash hauled away, Rane added.

Pitt's compost system is based on a similar system found at Dickinson College in Carlisle, Pa., said Rane, who, as a Pitt student, was involved in helping Sodexo design the composting process. The idea began around 2008, when the student group Free the Planet approached Dining Services with ideas to reduce waste in Market Central, recalled Rane, then a member of Free the Planet. It was at Dickinson during a meeting of the Pennsylvania Environmental Resource Consortium—which connects people undertaking environmental projects with universities—that Rane learned about the college's food composter and brought the idea to Pitt.

As expected, some adjustments have been required since the composter went into operation. At first, for instance, the shredded remains of such debris as condiment packets and fortune-cookie wrappers kept turning up in the compost. Rane remedied the situation by replacing single-serve items with bulk containers, offering, for example, crackers and cookies in baskets. The compost is now trash-free. To address the inorganic material that still rides the conveyor into the kitchen, Dining Services is looking into installing a recycling station that would further reduce Market Central's trash output, Rane said.

Nonetheless, the Market Central composter has proven its worth both sustainably and financially, Rane said. The University is exploring whether to install the system in other campus dining areas.



PHOTOS BY MORGAN KELLY/PC



Above: The extractor removes water from the slurry before the food pulp is baked into fertilizer. The water is filtered and then recycled through the pulper. Left: After 18 hours of baking, the food, napkins, chopsticks, and other organic material emerge as nitrogen-rich compost with the feel of sawdust.

Benefits of Market Central's composting system

- Keeps as much as 900 pounds of leftover food per day from going to a landfill
- Reduces Market Central garbage from twenty 55-gallon barrels per day to three barrels
- Reduces trash-hauling costs by 35 to 40 percent
- Reuses water, saving 90,000 gallons per year
- Closes the loop: converts locally grown food into nitrogen-rich compost for local growers

"It's not just providing an organic fertilizer for local farmers and saving the University community money," she said. "It also is a proactive measure to keep trash out of the landfills, which are rapidly running out of room. This way food waste still goes into the ground, but to produce more food."

TURKISH OFFICIALS VISIT PITT



MARY JANE BENT/CODE

Namık Tan, the Republic of Turkey's ambassador to the United States, visited with Pitt Chancellor Mark A. Nordenberg on Feb. 3 in the chancellor's office. Also present were several members of the committee for Pitt's Turkish Room, soon to join the family of the 27 Nationality Rooms in the Cathedral of Learning. From left are Ümit Alparslan Kılıç, vice consul, Turkish Consulate in New York City; Sakir Oguz, treasurer, Pitt Turkish Room Committee; E. Maxine Bruhns, director, Pitt Nationality Rooms Program; Turkish Ambassador Tan; Chancellor Nordenberg; Malik Tunador, chair, Turkish Nationality Room Committee; and Öncü Keçeli, second secretary of the Turkish Embassy.

TAKING A SHOT AT CHANGING THE WORLD



JESSICA PACIUTA

The University of Pittsburgh School of Pharmacy and Steeltown Entertainment Project showcased a number of videos that are part of "Take a Shot at Changing the World," a competition involving the region's middle-school and high-school students. Launched a year ago, the competition invited students to create videos connecting the collective effort that fostered the development of the Salk polio vaccine by a team of Pitt researchers in the 1950s to current efforts to eradicate polio from the planet. During this April 3 event in Pitt's School of Pharmacy in Salk Hall, the students met Peter Salk (seated, first on right), a son of Jonas Salk and a featured interviewee in the documentary *The Shot Felt 'Round the World*, which received its world-premiere screening in April 2010 at an Oakland event cohosted by Pitt Chancellor Mark A. Nordenberg and Vice Chancellor for Public Affairs Robert Hill. Also present at this year's April 3 event was Sidney Busis (seated, second on right), a doctor who treated children with polio prior to the vaccine and who was also an interviewee in *The Shot Felt 'Round the World*, and School of Pharmacy Dean Patricia Kroboth (not pictured). The 2010 documentary was produced by Pitt Film Studies Program faculty member Carl Kurlander (standing on right). Rachel Shepherd (seated, third from right) is the competition's project coordinator.

RESCHER DONATES RARE 300-YEAR-OLD LETTER TO ULS

A rare 300-year-old letter written by one of history's most renowned philosophers was recently presented to University Library System (ULS) Director Rush Miller (on left) by Nicholas Rescher, Distinguished University Professor of Philosophy at Pitt and cochair of Pitt's Center for Philosophy of Science. The three-page letter, written in 1711, is the highlight of Rescher's massive collection of materials on philosophy he began donating to ULS last year.

The letter was written by theologian Michael Gottlieb Hansch (1683-1749) to G.W. Leibniz (1646-1716), the celebrated 17th-century philosopher and mathematician who was an inventor of and contributor to calculus.

Hansch was a biographer of German astronomer and astrologer Johannes Kepler (1571-1630). In the letter, Leibniz asked several questions about Kepler's writings, but also touched upon other, theological, matters, including divine justice, infant sin, and freedom of the will. A fourth page of the letter was left blank for Leibniz's response. Leibniz wrote back to Hansch, answering his questions and encouraging him to move ahead with publishing Kepler's manuscripts.

The rare letter is now housed along with Rescher's other papers in Pitt's Archives of Scientific Philosophy. Rescher, who chaired the philosophy department at Pitt in 1980-81, has authored more than 100 books and hundreds of journal articles on many areas of philosophy.



JOE KAPLEWSKI/CODE

THE PERSONAL SIDE OF SUICIDE



MARY JANE BENT/CODE

About 1,100 backpacks covered the lawn in front of the William Pitt Union on April 4, representing the estimated 1,100 college students nationwide who die by suicide each year. To give a face to those lives lost, personal stories of people who attempted suicide as well as stories written by families and friends accompany many of the backpacks. The event, Send Silence Packing, was part of a nationwide college campus tour by Active Minds Inc., a Washington, D.C., nonprofit that seeks to help campuses create comfortable environments for open conversations about mental health issues. The display was sponsored by the Pitt chapter of Active Minds and Pitt's Give Depression a Voice: Talk About It team.

Pitt Philosopher John McDowell Honored With Mellon Foundation Distinguished Achievement Award

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enhanced both his discipline and the legacy of groundbreaking philosophical inquiry and discovery for which our University's Department of Philosophy is internationally known. We extend to him our heartiest congratulations."

With this award, McDowell will build upon his decades-long work to explain how philosophers can think about the natural world without restricting themselves to the observations of the natural sciences, as he thinks his contemporaries have been inclined to do in recent years.

McDowell first delved into this idea in his acclaimed book *Mind and World* (Harvard University Press, 1994). He described in this book an impasse in philosophical thought about how to combine the idea that perception is the result of human reason at work with the idea that humans have natural capacities for perceptual experience. McDowell reconciled the two ideas by concluding that human experience can be seen as a result of "second nature," those unique human attributes acquired in upbringing, such as the ability to rationalize that allows us to think scientifically.

"The big-picture issue was how to think about nature," McDowell said. "There's a tendency to think the natural world can be considered solely through the natural sciences, but that makes it impossible to think straight about how humans gain knowledge of the environment through our natural interaction with it. Science is great, but it's not the only answer."

McDowell said he plans to follow up on several ideas he raised, but did not fully explore, in *Mind and World* and that he has

contemplated ever since, he explained. He wants to further explore experience—how we take in the world—and extend his reflection about nature in considering our capacity to act, or intervene, in the world. In addition, McDowell will devote time to studying the work of German philosophers Immanuel Kant and Georg

Hegel, particularly how their ideas of freedom, or self-determination, apply to perception and action.

"I touched upon these ideas in the book and don't want to leave what I said there as throwaway remarks for the rest of my life," McDowell said. "The way I work is that I keep thinking, and as I looked back on things that I wrote in 1994 I realized that certain ideas needed to be revisited."

McDowell will use the freedom afforded him by the Mellon award to focus on graduate teaching, publishing his research, and presenting it at conferences. In addition, he will use part of his grant to help fund philosophy conferences and the scholarly efforts of his colleagues.

In addition to receiving the Mellon achievement award, McDowell has been a Fellow of the British Academy since 1983 and an American Academy of Arts and Sciences Fellow since 1992. In 1991, he gave the University of Oxford John Locke Lecture, one of the world's most prestigious lecture series and the presentation that formed the basis for *Mind and World*.

McDowell is the second Pitt professor to receive the Mellon achievement award, joining 2003 recipient and Pitt Distinguished Professor of Philosophy Robert Brandom.

In addition to receiving the Mellon achievement award, McDowell has been a Fellow of the British Academy since 1983 and an American Academy of Arts and Sciences Fellow since 1992. In 1991, he gave the University of Oxford John Locke Lecture, one of the world's most prestigious lecture series and the presentation that formed the basis for *Mind and World*.

Happenings



Takács Quartet, Carnegie Music Hall, April 11

Concerts

Takács Quartet, Grammy Award-winning string quartet performing works by Haydn, Bartók, and Schubert, 7:30 p.m. **April 11**, Carnegie Music Hall, 4400 Forbes Ave., Oakland, Carnegie Music Hall Chamber Series, Pittsburgh Chamber Music Society, 412-624-4129, www.pittsburghchambermusic.org.

Tuesday Musical Club, free choral and string ensemble performances, 12:30 p.m. **April 12**, St. Andrew's Episcopal Church, 5801 Hampton St., Highland Park, 412-422-0724.

University of Pittsburgh Symphony Orchestra, free performance of Stravinsky's *Firebird Suite*, 8 p.m. **April 13**, Bellefield Hall Auditorium, Pitt Department of Music, 412-624-4125, www.music.pitt.edu.

Disney in Concert, featuring musical scores, film clips, and artist performances from a variety of popular Disney films, **April 14-17**, Heinz Hall, 600 Penn Ave., Downtown, Pittsburgh Symphony Orchestra, BNY Mellon Grand Classics, 412-392-4900, www.pittsburghsymphony.org.

Emily Rodgers, Pittsburgh-based singer and songwriter, noon **April 15**, free performance, The Cup & Chaucer Café, ground floor, Hillman Library, Emerging Legends Concert Series Spring 2011, Pitt University Library System, Calliope: The Pittsburgh Folk Music Society, www.calliopehouse.org.

Carpathian Music Ensemble, 8 p.m. **April 15**, Bellefield Hall Auditorium, Pitt Department of Music, free to Pitt students with ID, 412-624-4125, www.music.pitt.edu.

Flamenco Completo: Marija Temo & Ulrika Frank, *Mano a Mano*, a collaborative showcase of flamenco, classical, and contemporary styles in guitar, singing, and dance, 8 p.m. **April 16**, Pittsburgh Center for the Arts, Simmons Hall, 6300 Fifth Ave., Shadyside, Guitar Society of Fine Art, 412-612-0499, www.gsfapittsburgh.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

Women's Choral Ensemble Spring Concert, free performance, 3 p.m. **April 17**, Heinz Chapel, Pitt Department of Music, 412-624-4125, www.music.pitt.edu.

Heidi Van Hoesen Gorton, harpist, 7 p.m. **April 17**, Alumni Concert Hall, College of Fine Arts, Carnegie Mellon University, Pittsburgh Chapter of the

American Harp Society, 412-247-3916.

Exhibitions

Frick Art Museum, Frick Art & Historical Center, *Storied Past: Four Centuries of French Drawings From the Blanton Museum of Art*, featuring more than 60 drawings produced over a 400-year period, **through April 17**, 7227 Reynolds St., Point Breeze, 412-371-0600, www.frickart.org.

Westmoreland Museum of American Art, *American Landscapes: Treasures From the Parrish Art Museum and At the River's Edge: Paintings by Patrick Ruane*, **through April 24**, 221 N. Main St., Greensburg, 724-837-1500, www.wmusemaa.org.

University Art Gallery, *Studio Arts Student Exhibition*, **through April 30**, Frick Fine Arts Building, 412-648-2430.

Silver Eye Center for Photography, *Future Forward*, members' exhibition, **through May 7**, 1015 E. Carson St., South Side, 412-431-1810, www.silvereye.org.

Carnegie Museum of Art, *Paul Thek: Diver, A Retrospective*, **through May 1**; *You Are Here: Architecture and Experience*, **through May 29**; *Andrey Avinoff: In Pursuit of Beauty*, **through June 5**; *Ragnar Kjartansson: Song*, **through Sept. 25**; 4400 Forbes Ave., Oakland, 412-622-3131, www.cmoa.org.

August Wilson Center for African American Culture, *In My Father's House*, mixed-media exhibition about how African Americans collect and preserve their culture, **through June**, 980 Liberty Ave., Downtown, Pittsburgh Cultural Trust, Strip District, 412-456-6666, www.pgharts.org.

Heinz History Center, *Ben Franklin: In Search of a Better World*, explores personal side of one of our founding fathers, **April 14-July 31**; *America's Best Weekly: A Century of The Pittsburgh Courier*, **through Oct. 2**; 1212 Smallman St., Strip District, 412-454-6000, www.heinzhistorycenter.org.

Lectures/Seminars/Readings

"The Changing Face of Childhood Diabetes," Silva A. Arslanian, UPMC Richard L. Day Professor of Pediatrics, Pitt School of Medicine, 4 p.m.

April 12, 2500 Posvar Hall, Pitt Provost's Inaugural Lectures, Office of the Provost, 412-624-5750.

"Convergence and Expectation: Changing Nature of Older Adult Services," Mildred Morrison, administrator of Area Agency on Aging in Allegheny County's Department of Human Services, noon **April 13**, School of Social Work Conference Center, 2017 Cathedral of Learning, Pitt School of Social Work, 412-624-6304, www.socialwork.pitt.edu.

"Security Implications of the Resurgence of Nuclear Power," Larry Foulke, director of nuclear engineering outreach, Swanson School of Engineering, 3 p.m. **April 14**, 352 Alumni Hall, Spring Seminar Series, Pitt Center for National Preparedness, www.cnp.pitt.edu/seminar.

"Framing the Original: Toward a New Visibility of the Orient," Rey Chow, Anne Firor Scott Professor of Literature, Duke University, 4 p.m. **April 14**, 501 Cathedral of Learning, Pitt's *boundary 2*, Humanities Center, Film Studies Program, 412-624-6523. (See page 2).

"From Genes to Society—The Knowledge Foundation for Individualized Medicine," David G. Nichols, vice dean for education, Johns Hopkins University School of Medicine, noon **April 15**, 4th floor, Lecture Room 3, Scaife Hall, Medical Education Grand Rounds, School of Medicine, 412-648-9000, www.meqr.pitt.edu.

Rachel Woldoff, associate professor of sociology, West Virginia University, noon **April 15**, 2nd-floor conference room, University Center for Social and Urban Research, Brown Bag Research Series, Pitt's UCSUR, RSVP to pncis@pitt.edu.

"Locality and Quantum Mechanics," William Unruh, professor, University of British Columbia's Department of Physics and Astronomy, 3:30 p.m. **April 15**, 817R Cathedral of Learning, Annual Lecture Series, Pitt Center for Philosophy of Science, 412-624-1052, pittctr@pitt.edu.

Miscellaneous

CourseWeb Level 1, workshop to learn how to further customize the Blackboard 9.1 Course Menu to meet instructional needs and course objectives and add more advanced course content, 1 p.m. **April 11** and 6 p.m. **April 13**, B23

Alumni Hall, Pitt CIDDE, register online at www.cidde.pitt.edu.

43rd Annual International Cabaret Ball, celebrating 70th anniversary of the Greek and Syria-Lebanon Nationality Rooms, including a social hour, buffet dinner, and Greek and Syrian-Lebanese performances, 5 p.m. **April 16**, William Pitt Union, Pitt Nationality Rooms, Intercultural Exchange Program, 412-624-6150. (See page 2).

Opera/Theater/Dance

Henna Night by Amy Rosenthal, directed by Jess Edelstein, and **Sparagmos**, based on Ian Johnston's translation of *The Bacchae*, directed by David Bisaha, choreographed by Ariel Nerson, **April 13-17**, Pitt Repertory Student Lab double feature, Studio Theatre, Cathedral of Learning, Pitt Repertory Theatre, 412-624-6568, www.play.pitt.edu.

Superior Donuts by Pulitzer Prize-winning playwright Tracy Letts, Chicago coffee shop serves as the setting for this new comedy, **April 14-May 15**, Pittsburgh Public Theater, 621 Penn Ave., Downtown, 412-316-1600, www.ppt.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

George Balanchine: Celebrating a Legend, Pittsburgh Ballet Theatre builds on its long-standing tradition of performing ballets by this Russian-born American master, **April 15-17**, Benedum Center, 803 Liberty Ave., Downtown, 412-456-6666, www.pbt.org, PITT ARTS Cheap Seats, 412-624-4498, www.pittarts.pitt.edu.

The Amish Project, written by and starring Jessica Dickey, based on the 2006 shooting at an Amish schoolhouse in Lancaster, Pa., **through May 8**, City Theatre, 1300 Bingham St., South Side, 412-431-2489, www.citytheatrecompany.org.

Pitt PhD Dissertation Defenses

Carleton Gholz, School of Arts and Sciences' Department of Communication, 10 a.m. **April 11**, "When the Mix Was Perfect: Voices From the Post-Motown Soundscape," 1128 Cathedral of Learning.

Tim Willenken, School of Arts and Sciences' Department of Philosophy, noon **April 11**, "Skepticism About Epistemic Reason," 1001D Cathedral of Learning.

Brandie DePaoli Taylor, Graduate School of Public Health's Department of Epidemiology, 1:30 p.m. **April 11**, "The Role of Delayed Care Seeking and Toll-Like Receptors in Pelvic Inflammatory Disease and Its Sequelae," A523 Crabtree Hall.

Andi Saptono, School of Health and Rehabilitation Sciences' Department of Rehabilitation Science and Technology, 2 p.m. **April 11**, "Design and Usability Assessment of an Integrated Telerehabilitation Information

Management System to Support Remote Wheelchair Prescription," 6050 Forbes Tower.

Michelle Meyer, Graduate School of Public Health's Department of Epidemiology, 4 p.m. **April 11**, "Markers of Subclinical Cardiovascular Disease in Women With Polycystic Ovary Syndrome and Controls," A622 Crabtree Hall.

Betina González, School of Arts and Sciences' Department of Hispanic Languages and Literatures, 10 a.m. **April 12**, "Lecciones de Esclavos y Animales Fabulosos: Literatura y Crítica Moral en la América Latina del Siglo XIX," 1528 Cathedral of Learning.

Carrie Sheets, School of Arts and Sciences' Department of Psychology, noon **April 12**, "Child Eating in the Absence of Hunger and Loss of Control Eating," 4401 Sennott Square.

Hussein A. Tawbi, School of Medicine's Clinical and Translational Science Doctoral Program, noon **April 12**, "The Epigenetic Regulation of Chemotherapy Resistance in Melanoma," UPMC Cancer Pavilion, 5th-Floor Executive Board Room, 5150 Centre Ave., Shadyside.

Kaihong Liu, School of Medicine's Biomedical Informatics Graduate Program, 1:30 p.m. **April 12**, "Ontology Enrichment From Free-Text Clinical Documents—A Comparison of Alternative Approaches," M185 Parkvale Building.

Joyce J. Miketic, School of Nursing, 8:30 a.m. **April 13**, "Diabetic Coronary Heart Patients' Adherence to Cardiac Rehabilitation Programs," 331 Victoria Building.

Kristin Davin, School of Education's Department of Instruction and Learning, 10 a.m. **April 13**, "Dynamic Assessment in the Early Language Classroom," 5700 Posvar Hall.

Hana Addam El-Ghali, School of Education's Department of Administrative and Policy Studies, 2 p.m. **April 13**, "The Role of Higher Education Institutions in Addressing Youth Unemployment in Lebanon," 5702 Posvar Hall.

Cecil Chern-Chyi Yen, Swanson School of Engineering, 9 a.m. **April 13**, "Cortical Layer-Dependent Hemodynamic Regulation Investigated by Functional Magnetic Resonance Imaging," 2nd-Floor Conference Room, McGowan Institute for Regenerative Medicine.

Anna Arlotta-Guerrero, School of Education's Department of Instruction and Learning, 2 p.m. **April 13**, "An Investigation of ELL Instruction in Two Classrooms in an Urban District in Transition," 5140 Posvar Hall.

Boryana Dobрева, School of Arts and Sciences' Department of German, 1 p.m. **April 18**, "Subjectivity Regained? German-Language Writing From Eastern Europe and the Balkans Through an East-West Gaze," 5400 Posvar Hall.



University Art Gallery, Studio Arts Student Exhibition, Frick Fine Arts Building, through April 30



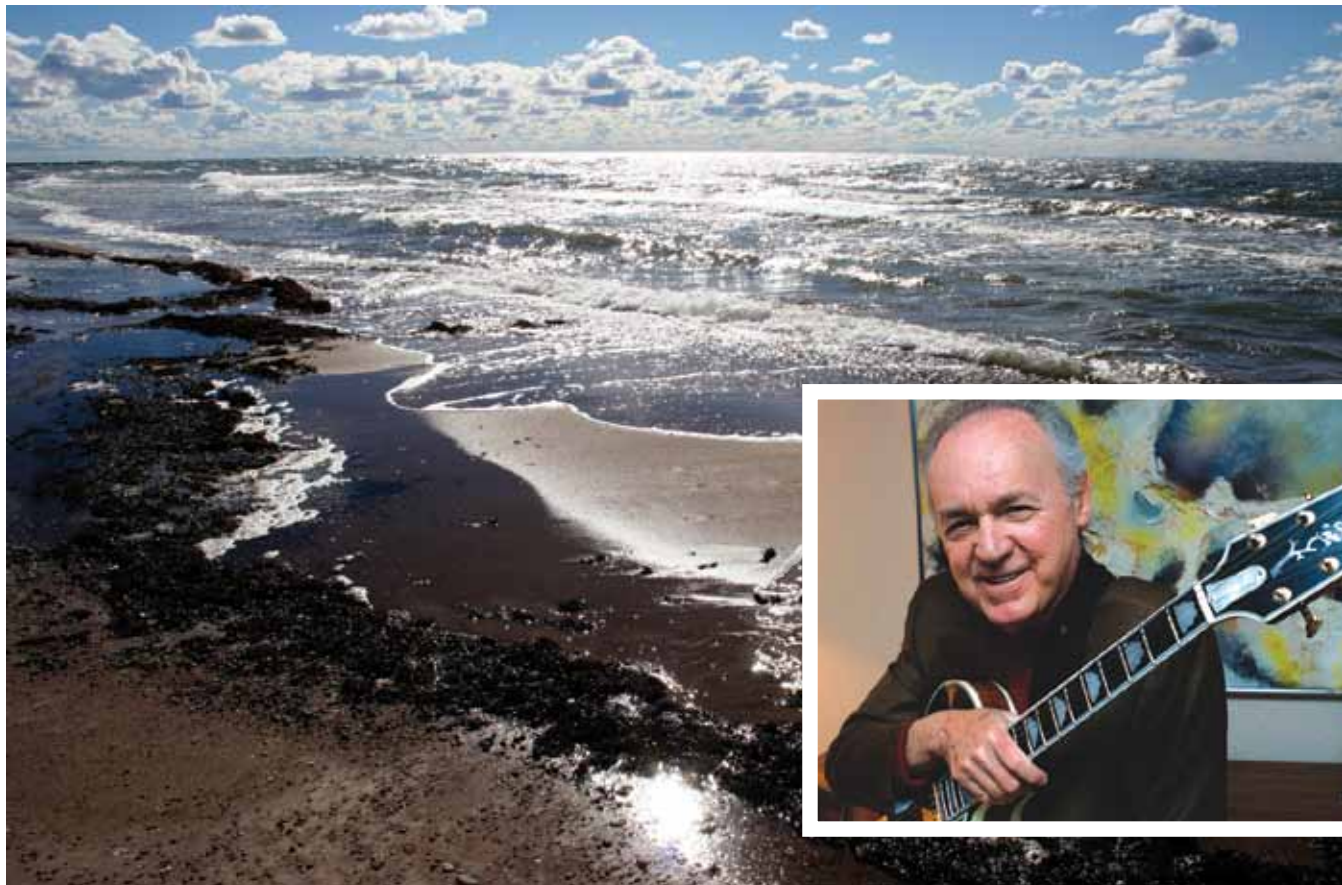
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Pitt to Present April 23 Benefit Concert For Japan Earthquake and Tsunami Relief



The event, titled "This Moment, Once in a Lifetime," will feature jazz musician Joe Negri and his friends Yuko Eguchi, Matt Gillespie, Jonghee Kang, Kerrith Livengood, Emily Pinkerton, Martin Spitznagel, Yoko Suzuki, and Bryan Wright, among others.

below 1 percent of the value of received donations.

The concert is sponsored by Pitt's Department of Music and Asian Studies Center within the University Center for International Studies, as well as by the Japan America Society of Pennsylvania and Brother's Brother Foundation.

For more information about the concert, contact Brenda G. Jordan, coordinator of Japan Studies in Pitt's Asian Studies Center, at 412-648-7763 or jordanb@pitt.edu.

By Amanda Leff Ritchie

Joe Negri

The University of Pittsburgh will host a benefit concert for Japan earthquake and tsunami relief at 2 p.m. April 23 in the Bellefield Hall Auditorium.

The event, titled "This Moment, Once in a Lifetime," will feature jazz musician Joe Negri and his friends Yuko Eguchi, Matt Gillespie, Jonghee Kang, Kerrith Livengood,

Emily Pinkerton, Martin Spitznagel, Yoko Suzuki, and Bryan Wright, among others.

Brother's Brother Foundation will collect donations at the door on behalf of the concert organizers. Suggested donations are \$5 for students and \$10 for the general public.

To donate online, visit www.brothersbrother.org/11_japanearthquake.

htm. To ensure each donation goes directly to the Japan relief efforts, check the appropriate box on the contribution form.

Pittsburgh-based Brother's Brother Foundation has been ranked by *Forbes* magazine as one of the best charitable organizations in the United States. Administrative and operating costs are

PUBLICATION NOTICE The next edition of *Pitt Chronicle* will be published April 18. Items for publication in the newspaper's *Happenings* calendar (see page 7) should be received at least two weeks prior to the event date. *Happenings* items should include the following information: title of the event, name and title of speaker(s), date, time, location, sponsor(s), and a phone number and Web site for additional information. Items may be e-mailed to chron@pitt.edu, faxed to 412-624-4895, or sent by campus mail to 422 Craig Hall. For more information, call 412-624-1033 or e-mail robinet@pitt.edu.