

Calendar

Friday, January 7

3:30 p.m. Wine & Cheese - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: C. Walter, Duke University

Title: Super-K, K2K and T2K: The Present and Future

Monday, January 10

2:30 p.m. Particle Astrophysics Seminar - Curia II

Speaker: K. Sigurdson, California Institute of Technology

Title: How Dark is Dark? Electromagnetic Interactions in the Dark Sector

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Special Topics: Site Access; Snow Removal

Wilson Hall Cafe

Friday, January 7

Old Fashioned Ham & Bean Soup

Black and Blue Cheese Burger \$4.75

Chicken Wellington \$3.75

Tex-Mex Lasagna \$3.75

Roasted Veggie & Provolone Panini \$4.75

Pizza Cacciatore \$2.75

Vegetarian Stir Fry \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) will be closed through January and February

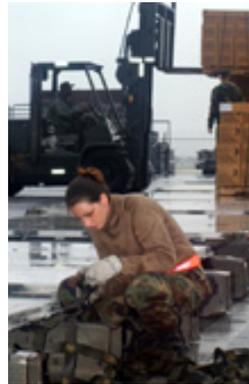
Weather

Brown's Experiences with Natural Disasters Underscore the Enormity of Tsunami Crisis

Fermilab Associate Director for Operations Support Jed Brown has had first-hand experience with disaster and flood relief in the U.S., but he describes the tsunami crisis in Southeast Asia as "so widespread, the magnitude is almost unimaginable."

Brown's service as an officer in the U.S. Army Corps of Engineers included relief work in the wake of rivers overflowing in South Dakota, and of flooding in Pennsylvania and West Virginia caused by hurricanes.

"Within the U.S., the Federal Emergency Management Agency has lead responsible for disaster relief," Brown said. "Then they break needs out into many different areas, and assign tasks to the various agencies with capabilities to respond. For example, the Army Corps of Engineers has responsibility for flooding fighting and flood disaster recovery, the American Red Cross is responsible for housing; the National Institutes of Health



Airman 1st Class Sara McClaskey at Kadena Air Base in Japan readies a cargo net on an aircraft pallet bound for Southeast Asia. Airmen from the 18th Wing are providing supplies to help with the humanitarian effort in the devastated area. (US Air Force photo)

Fermilabyrinth Recognized As Exemplary Educational Website



Liz Quigg helped create the Fermilabyrinth Web site.

Earn Einstein Bucks by speeding up particles through the Linac in Push, Push, Push the Particle, and you could discover your way out of the Fermilabyrinth. Games such as Particle Pinball, Particle Pool and Particle Graffiti have won Fermilab's [Fermilabyrinth Website](#) a place on the [Eisenhower National Clearinghouse's](#) Digital Dozen for December.

"It's very nice to be recognized," said Fermilab Computing Division's Liz Quigg. "And kids like being challenged. The content is based on exhibits at the Lederman Science Center, developed with the help of teachers and physicists. The four areas of the Web site correspond to the four rooms in the science center [accelerators, detectors, methods and ideas]."

The ENC highlights virtual resources for math and science educators by choosing Web sites based on multimedia features, accessible explanations of ideas and support for school improvement. In addition to providing virtual games based on the exhibits in the science center,



Chance Flurries **28°/20°**

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for medical issues, the Department of Defense for any radiological issues. FEMA has standard procedures and trained personnel on call from many government agencies ready to respond to a Presidential



Airmen from the 374th Airlift Wing load supplies onto a C-17 Globemaster III at Yokota Air Base in Japan. The aircraft headed for a forward-operating base in Utapao, Thailand. The supplies are intended to help other Airmen conduct missions supporting tsunami relief efforts in Thailand, Indonesia, Sri Lanka and India. (US Air Force photo) enter the figures into

a hand-held computer, which would translate his measurements into cost estimates. When he surveyed roads and bridges that had been washed out in Pennsylvania he had letter contact authority, "we'd bring in a guy with a bulldozer and basically hand him a contract saying 'fill this hole so we can open this road through here.'"

Brown said the U.S. system "works quite well," but he saw the situation in Asia as especially daunting for the evolving

declaration of a disaster. They will go into a town needing assistance, set up headquarters usually in governmental building and take over hotels and car rental agencies as needed, for example, so they can get all the efforts organized."

Among his disaster relief duties, Brown was responsible for surveying damage to houses. He would "eyeball" estimates for the number of square feet needing replacement and

Fermilabyrinth also has brief summaries of concepts such as calorimetry, the four forces and particle families.

Quigg said that many people worked together to create the Web site. "Students at the Illinois Math and Science Academy helped develop the activities, and we even had people who translated the Linac Activity into Dutch, Slovak and German."

The ENC receives funding from the United States Department of Education and is administered by Ohio State University. The activities are also available on CD-ROM at the Lederman Science Center store.

In the News

From *Nature Magazine*, January 4, 2004

2005: Year of Physics: So, what's your theory?

One hundred years ago, when Albert Einstein penned his era-defining papers on brownian motion, the photoelectric effect and special relativity, he was just 26 years old. Reaching scientific greatness at such a young age was exceptional then and may be even harder today.

[read more](#)

Announcements

New Classifieds on Fermilab Today

New [classified ads](#) have been posted on *Fermilab Today*. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

SciTech Exhibit

"A T. rex Named Sue" runs through February 21, 2005 at SciTech. Fermilab employees receive 2-for-1 admission on

United Nations-led efforts: coastline thousands of miles long, and undeveloped areas without roads or airports. "From what I've been reading in the press," Brown said, "there are a lot of people needing medical attention. I was trained for situations with mass casualties but I was never involved in any. Compared to what's happening in Southeast Asia, anything I did was relatively easy."

Related Links

[Relief Organizations Working in the Disaster Area](#)

[FEMA](#)

[U.S. Army Corps of Engineers](#)

Fermilab Gallery Chamber Series

Individual Tickets Now On Sale -- Limited Number Available

A limited number of tickets are now available for purchase for each of the Gallery Chamber Series concerts taking place on Sunday afternoons at 2:30 p.m. in the 2nd Floor Art Gallery of Wilson Hall. Tickets are \$15 each, or \$36 for the series. All concerts include a gallery reception immediately following the performance.

The Metropolis Quartet kicks off the Gallery Chamber Series on January 23. Metropolis performs the major oboe quartet repertoire written by composers such as Mozart, J.C. Bach and Benjamin Britten. It also searches for lesser-known works by composers of all periods, and takes familiar melodies and performs its own arrangements.

[more information](#)

Saturday, January 8 from 3:00 to 6:00 p.m.

Last Day to Sign Up for Strength Training Classes

Gain strength, lean body mass and increased muscle definition. The cost of the class is \$40, and it runs on Tuesdays and Thursdays from 5:30 - 6:30 p.m. from January 11 to February 10. Recreation Facility Membership is required, and the deadline to register is January 7. More information can be found [here](#).

Last Day to Sign Up for Women's Personal Protection and Self-Defense Class

This class is open to Fermilab women, mothers and daughters. Minimum Age 12, No Maximum Age. The cost is \$35, and the class runs every Wednesday from 5:30 to 7:30 p.m. from January 12 to February 16 in the Village Kuhn Barn. Deadline to register has been extended to January 7 at noon. More information can be found [here](#).

Fermilab Folk Club Barn Dance

The next Fermilab Folk Club Barn Dance will be on Sunday, Jan. 9 at 6:30 p.m. with music by The Georgia Rang-Tangs and calling by Lisa Ornstein.

[more information](#)

Tevatron Events Again on Display

Artist Tim Otto Roth again uses collision events from Fermilab's Tevatron as input for his art project "I see what I see not." *Fermilab Today* reported on [December 15](#). The Fermilab-related artwork is on display this week from 10 a.m. to 1 p.m. CT and will be [broadcast via Web cam](#).

[Upcoming Activities](#)

