

## Calendar

### Wednesday, May 3

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

**4:00 p.m.** Fermilab Colloquium - 1 West

Speaker: J. Tarter, SETI Institute

Title: The Allen Telescope Array: 42 is

More than the Answer to "Life, the Universe, and Everything"

THERE WILL BE NO FERMILAB ILC

R&D MEETING THIS WEEK

### Thursday, May 4

**2:00 p.m.** Research Techniques Seminar

- (WH-2NE)

Speaker: V. Saveliev, DESY/Obninsk University

Title: Silicon Photomultipliers: Recent Development and Application

**2:30 p.m.** Theoretical Physics Seminar -

Curia II

Speaker: C. Bauer, Lawrence Berkeley National Laboratory

Title: Improving Jet Distributions with Effective Field Theory

**3:30 p.m.** DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

[Click here](#) for links to descriptions of each event.

## Weather



Chance of Showers **79°/49°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Preserving history: Boy scout restores cemetery



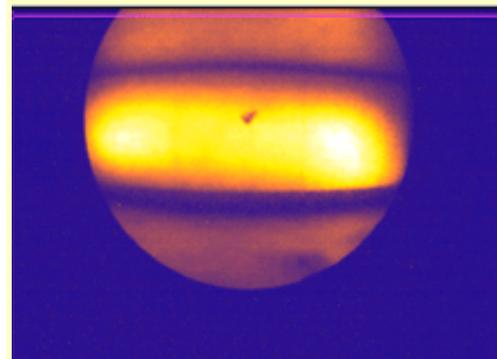
Henrietta Mead died in 1851 at the age of 2.

Engraved on the bottom of her tombstone are the remains of a poem: "She woke the cup of life to sip, / Too bitter 'twas to drain, / She merely touched it to her lips, / And then she slept again." (Click on image for larger version.)

Most of the occupants of the pioneer cemetery have long been forgotten. But 16-year-old boy scout Adam Rea will try to recover those lost histories this summer by restoring the cemetery for his Eagle Scout Award. "I thought it was a good project for the lab, and I thought it was something interesting--atypical--for a scout to do [for his Eagle Award project]," said Bob Lootens of Roads and Grounds. Lootens is Rea's advisor for the project.

Fewer than 20 stones remain since the cemetery was rediscovered in 1907, hidden under a thicket of raspberry bushes. After a century and a half of weathering, most of the inscriptions are barely legible, but one can still make out a few--such as a stone dedicated to Alfred Benedict, son of Isaac and Mary Benedict, died Jan. 19, 1854, aged 21, and another to Henrietta Mead, died September 15, 1851, aged 2. Among the

## ORNL's Spallation Neutron Source makes first neutrons



This detector glowed as a stream of protons struck the Spallation Neutron Source target. (Click on image to see a movie of the April 28 events.)

One of the largest and most anticipated U.S. science construction projects of the past several decades has passed its most significant performance test. DOE's Spallation Neutron Source, located at Oak Ridge National Laboratory, has generated its first neutrons. Just after 2 p. m., Friday, April 28, a pulse of protons from the SNS's accelerator complex, traveling at nearly the speed of light, struck its mercury target. The protons "spalled" neutrons from the nuclei of mercury circulating inside the target. "We are now officially a neutron source," said SNS Director Thom Mason.

--Bill Cabage, ORNL

## Correction

In yesterday's edition of *Fermilab Today*, the Run II anniversary story stated that the Tevatron has reached 160 times the peak luminosity of Run I. Actually, the peak luminosity is 160 times greater than the first 36x36 store of Run II--and about 7 times greater than the peak luminosity reached by the end of Run I.

## Announcements

**Current Security Status**[Secou Level 3](#)**Wilson Hall Cafe****Wednesday, May 3**

- Creamy Mushroom Chicken Soup
- Texas Style Meatloaf Sandwich
- Chicken Walintons
- Italian Sausage with Peppers
- Smoked Turkey Panini Pesto Mayo
- Sausage & Pepperoni Combo
- Chicken Alfredo Fettucine

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express.

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, May 3****Lunch**

- Closed

**Thursday, May 4****Dinner**

- Crab Cakes
- Stuffed Flank Steaks
- Orzo with Arugula, Pine Nuts and Parmesan
- Profiteroles with Strawberries and Chocolate Sauce

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Search****Search the Fermilab Today Archive****Info**

faded names on the stones are two clearly marked graves: that of General Thompson Mead, who served as a lieutenant in the war of 1812, and, by far the newest addition, that of Fermilab's founding director Robert Wilson, who was buried there in 2000.

Rea's restoration will include resetting the grave markers, repainting the "Pioneer Cemetery" sign, and collecting any information that can be gleaned from the ravaged stones. He may make rubbings of the existing markers, or sift through newspaper articles that cite epitaphs that have long since been erased. He will then display what he has learned about the buried individuals next to their graves.

--*Jennifer Lauren Lee*

**Hadron Collider Physics Symposium 2006: May 22-26**

This year's Hadron Collider Physics Symposium will be hosted by Duke University in Durham, North Carolina, from May 22-26. This symposium has been a major forum for the presentation of Tevatron Collider measurements. It is the 17th conference of a series, the last two having been held at Michigan State (2004) and Les Diablerets (2005). The meeting has recently been merged with the LHC Symposium, and this meeting will mark the transition to the LHC era.

At the Duke meeting, Tevatron results based upon about 1 inverse femtobarn of data will be presented, along with recent measurements made at RHIC, HERA and B factories. The status and plans for all LHC experiments will also be presented, showing the expected physics reach beyond the CDF and DZero experiments. Included in the conference

**D Road tentatively scheduled to close tomorrow**

D road is tentatively scheduled to be closed from Eola Road to the west end of CDF from around 10:00 a.m. to 12:00 p.m. Thursday, May 4. The closure is to prevent traffic from driving on wet tar. At all times during the 5-day repaving project (see [yesterday's announcement](#)), motorists should consider using [alternate routes](#) to get around the site. Motorists using D Road or accessing the CDF and Industrial areas should slow down, obey traffic control personnel and expect delays. The timing of this road closing may change due to weather conditions.

**Fundraiser for John LaFleur**

The City of Batavia will host a fundraising event for the family of John LaFleur on May 13 from 2-8 p.m. LaFleur was a Fermilab electrician who passed away March 26 as a result of complications from a brain tumor. He is survived by a wife and three children and had not worked at Fermilab long enough before his death to receive a pension. Tickets are available through Greg Gilbert, x6835 or [gilbert@fnal.gov](mailto:gilbert@fnal.gov). Details about the event, including location, can be found [here](#).

**Batavia Road entrance to close for cars and bicycles**

The Batavia Road entrance will be closed for renovation from 7:00 a.m. on Tuesday, May 9, to 4:00 p.m. on Monday, May 22. During this time, the City of Warrenville will also be repaving roadways and carrying out other construction work along Batavia Road. Delays are expected to continue until early June, even after the entrance will have re-opened. Drivers and bicyclists should use Pine and Wilson Street

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will be theoretical reviews relevant to the full range of hadron collider research.

Information about the conference including registration, scientific program, hotel accomodation and travel is available at the conference [website](#).

### In the News

#### ***The Christian Science Monitor, May 1, 2006:*** **Physicists hope to win support for new subatomic smasher**

For decades, United States high-energy physics labs have been at the forefront of high profile - and expensive - efforts to probe the nature of matter. Now, as labs overseas begin to overshadow facilities here, researchers are trying to find ways to keep the US program free of cobwebs.

A panel of scientists from inside and outside the field says the US should make the next major particle collider on the horizon - the International Linear Collider - the centerpiece of its high-energy physics efforts. Washington should announce its desire to host the collider, if it's built. It should support a robust, related research and development program so if the machine finds a home elsewhere, US scientists will still have ready entree.

[Read More](#)

entrances until the work is completed. For more information, contact Tom Prosapio at [prosapio@fnal.gov](mailto:prosapio@fnal.gov)

#### **International Folk Dancing**

International Folk Dancing will meet Thursday, May 4, at Kuhn Barn on the Fermilab site. Dancing begins at 7:30 p. m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

#### **Children's Swim Lessons**

The Aurora YMCA will soon offer children's swim lessons at the Village Pool. Lessons are open to children of employees, users, and approved contractors ages 4 yrs. to 12 yrs. Cost for pre-school lessons is \$40.00 and \$45.00 for all other classes. Lessons are taught in two-week sessions, Monday through Thursday with Friday as a makeup day. The session dates are: Session 1-Weeks of June 19 & June 26, Session 2-Weeks of June 3 & July 10, Session 3-Weeks of July 17 & July 24 and Session 4-Weeks of July 31 & August 7. More information can be found [on the web](#) or in the Recreation Office.

#### **[Upcoming Activities](#)**