

## Calendar

### Wednesday, June 21

**11:00 a.m.** Fermilab ILC R&D Meeting - Curia II (NOTE LOCATION)

Speaker: C. Jensen, Fermilab

Title: ILC Modulator Overview

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

BREAK 2nd Flr X-Over

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

Auditorium (NOTE LOCATION)

Speaker: S. Putterman, University of California, Los Angeles

Title: Energy Focusing Phenomena:

From Sonoluminescence To Crystal Fusion

### Thursday, June 22

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

Speaker: S. Nandi, Oklahoma State University

Title: Unification of Gauge and Higgs Couplings in Extra Dimensions

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

BREAK - 2nd Flr X-Over

**4:00 p.m.** Accelerator Physics and

Technology Seminar - Curia II

Speaker: D. McGinnis, Fermilab

Title: Introduction to Radio Frequency

Fundamentals for Particle Accelerators – Part II

[Click here](#) for a full calendar with links to additional information.

## Weather

## Employee Relations: Time for performance reviews

All employees are strongly encouraged to complete an Accomplishment Report for the performance review period of July 1, 2005 to June 30, 2006. Even if you don't like to toot your own horn, you should take a moment to describe how well you have met your performance goals and other important accomplishments. You may also want to describe successful completion of competencies and development plans. Scientists should describe their scientific and technical achievements along with involvement in organizational/managerial matters and highlight plans for the coming year.

The deadline to submit the Accomplishment Report to your supervisor is July 15, 2006. Refer to the Lab Services' Labor and [Employee Relations Website](#) for more information on the performance review process and to download the Annual Statement of Accomplishments Report for [Employee](#) or [Scientist](#).

If you have any questions, please contact the Employee Relations department at extensions 3326, 3793, or 4367.

--Heather Sideman

## What is a Critical Decision?

## The Logan Code: mysterious bank book owner identified



A.C. Logan's obituary in the Beacon News on June 6, 1938, cites him as a "well known electrical contractor" who had resided in Aurora all his life. His only daughter Jeanette died suddenly of "convulsions" in 1925 at eight years old, leaving him no direct descendents. (Photo courtesy of Bill Griffing; [click image for larger version.](#))

In response to last week's [article](#), there has been a huge influx of information about A.C. Logan, the owner of the mysterious bank book found between the floor joists in the Hadley-Wolsfeld side of Aspen East last winter. "I was able to rather quickly nail down the identity of A. C. Logan," wrote Bill Griffing of ES&H a few hours after the article was released. "He was the only Logan living in the general vicinity between 1920 and 1930 whose initials would match" according to the US census records, Griffing said.

Arthur Chester Logan was born in Illinois on January 12, 1885. According to his World War I draft registration form, he had light hair and blue eyes, was tall and of medium build; he worked in Aurora as an electrical contractor, living with his wife Stella at 312 Bangs St. By 1920 he had moved with his wife and daughter Jeanette to the Naperville Township in DuPage County, where he took up farming. Ten years later he was back at Bangs St., with his wife and widowed

T-Storms **89°/68°**[Extended Forecast](#)[Weather at Fermilab](#)**Current Security Status****Secon Level 3****Wilson Hall Cafe****Wednesday, June 21**

- Vegetable Beef
- Fish & Chips
- Salmon w/Lemon Pepper
- Country Fried Steak w/Pepper Gravy
- Beef & Cheddar Panini w/Sauteed Onions
- Assorted Personal Sized Pizzas
- Cavatappi Pasta w/Italian Sausage & Tomato Ragù

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

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, June 21****Lunch**

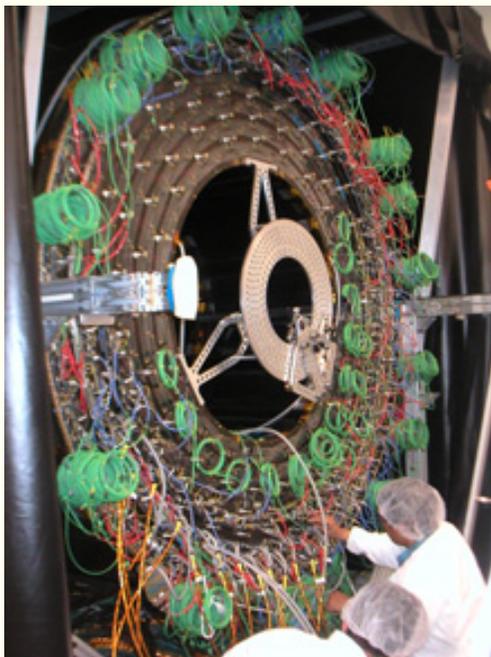
- Grilled Shrimp and Portobello Mushroom Salad
- Plum Tart

**Thursday, June 22****Dinner**

- Wasabi Seafood Salad
- Asian Beef w/Rice Noodles and Vegetables
- Strawberry Rhubarb Tart [Chez Leon Menu](#)

[Menu](#)

Call x4598 to make your reservation.

**Search**

The CMS Silicon Tracker Outer Barrel shown at CERN, with U.S.-provided rod assemblies. This project is in Critical Decision 4. ([Click on image for larger version.](#))

If you've been at Fermilab long, you've probably heard the phrase "Critical Decision" in connection with construction projects. But what, exactly, does it mean? Critical Decisions, according to the DOE, authorize a project to proceed and to use approved funds, one step at a time. Every DOE project worth over \$5 million goes through a life cycle marked by five Critical Decisions:

**CD0** is the conception of a project. It marks the decision that a project is necessary to address a certain question or issue. Projects proposing to answer the question submit a preliminary baseline, which includes cost and schedule estimates, basic technical descriptions, and identification of preliminary safety and environmental issues.

**CD1** is the birth of a project; it marks the selection of one specific proposal. Once this decision is made, the baseline is

mother Myra. Logan died in 1938 at 53 years old, making him the same A.C. Logan whose gravestone FES Site Services' Sue Populorum had found on a registry for Spring Lake Cemetery in Aurora.

How did the book get from 312 Bangs Street to Eola Road? One possibility is that the Logans lived at (or knew the people who lived at) the house on Site 57 during A.C.'s brief stint as a farmer. The higher-than-average sums of money entered into Logan's ledger (two being for the modern equivalent of \$10,000) could be explained if Logan had bankrolled his electrical contracting company under his own name; or perhaps he received funds from the estate of his father Elias, a Civil War veteran, who passed away in June of 1927 during the period of account entries. "I think more than anything it's kind of fun and exciting to try to figure out a little bit of a mystery--a Fermi mystery," said Linda Olson-Roach of BS-Accommodations. "We wish the person was alive to talk to so we could fill in the blanks."

*Thanks to Geoff Eargle, Bill Griffing, Kathy Johnson, Adrienne Kolb, Linda Olson-Roach, Merle Olson, Sue Populorum, and William Wester for unearthing this and additional information.*

--Jennifer Lauren Lee

**Accelerator Update**

## Search the Fermilab Today Archive

### Info

Fermilab Today is online at: <http://www.fnal.gov/today/>

Send comments and suggestions to [today@fnal.gov](mailto:today@fnal.gov)

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refined, a preliminary design is devised and the cost and schedule parameters are narrowed. "The federal budget process is an important consideration all the way through," said Pepin Carolan, US LHC Federal Project Director.

**CD2** is the beginning of childhood. To pass CD2, an External Independent Review checks that preliminary designs are in line with expectations. According to Ron Lutha, Deputy Fermilab Site Office Manager, the Office of Engineering Construction Management that performs this review is part of the Department of Energy, but is external to the Office of Science and will often turn to expert consultants for reviews.

**CD3** is the start of adolescence; it authorizes the start of a project's construction. Approval of CD3 also authorizes the use of construction funds requested after CD2. On average, it takes almost four years to get from CD0 to construction. For CD3 to be passed, all plans, budgets, designs, timetables and safety solutions must be finalized. "Of course, there are always things that you can't predict, but to get CD3 approval, to start building, you should have addressed all the foreseeable issues," said Carolan. For projects worth over \$400 million, another External Independent Review is required to pass CD3. It ensures that the designs and schedules are realistic and meet expectations.

**CD4** signifies that the project is entering adulthood. Construction has been completed and the DOE is approving the start of operations. Now, preparations complete, the science can begin.

--Ben Berger

### June 19 - 20

- One store provided 24 hours of luminosity
- Booster converts kicker to notcher
- Pelletron temperature problems continue
- D0 16-hour access begins tomorrow morning

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

### Announcements

#### Temporary Closing of Wilson Hall North Atrium

Due to window washing on Wednesday, June 21, the north end of the Wilson Hall atrium will be closed from 5:00 p.m. to 10:00 p.m.

#### Memorial mass for Deacon Ed Lober

A Memorial mass for former FESS employee Deacon Ed Lober will be held this coming Saturday, June 24 2006, at 10:30 am, at [Holy Cross Catholic Church](#) in Batavia IL. Lober passed away on March 26, 2006, of a heart attack, at age 72.

#### Women wanted for sports

Fermilab contractor Heather Hall is trying to organize an all-women's sports league here at Fermilab, picking the sport that is in greatest demand among female employees, users and contractors. Please send me an email at [heather.hall@ge.com](mailto:heather.hall@ge.com) (or leave me a voicemail at x4915), listing your interest level and what sport you wish was available to you.

#### Mentors available

Some mentor pairings are still available for DASTOW on Thursday, June 22.

**In the News*****New York Times*****June 20, 2006:****Hawking Takes Beijing; Now, Will Science Follow?**

BEIJING, June 19 — Like an otherworldly emperor, Stephen Hawking rolled his wheelchair onto the stage of the Great Hall of the People on Monday, bringing with him the royalty of science and making China, for this week at least, the center of the cosmos.

Slouching in profile, draped in black and moving no more than an eyelid to send his words to a mesmerized audience of 6,000, Dr. Hawking ruminated on the origin of the universe as the headliner of an international physics conference.

"We are close to answering an age-old question," he concluded. "Why are we here? Where did we come from?"

But as weighty as his speech was, his mere presence was a powerful symbol of what China is and would like to be.

China wants to stand up scientifically, as it is beginning to economically, and it is pouring money and talent into the sciences, particularly physics. Jie Zhang, director general of basic sciences for the Chinese academy, said his budget had been increasing 17 percent a year for the last few years as China tried to ramp up research spending to about 2.5 percent of its gross domestic product. By comparison, the United States spends slightly less than 2 percent, according to the National Science Foundation.

[Read More](#) (Registration Required)

Girls 12 years old and older can spend the morning with a woman scientist or engineer. You must sign up in advance. For information, email [mikep@fnal.gov](mailto:mikep@fnal.gov).

**Housing Assignments for Fall 2006 and Spring 2007**

The Fermilab Housing Office is now taking requests for houses, apartments, and dormitory rooms for fall 2006 and spring 2007. Since there will be a large influx of experimenters, and requests are anticipated to be in excess of our available facilities, you are urged to submit your request for reservations to the Housing Office by Monday, July 3, 2006. Requests can be made for any period and need not commence on any particular date. Individual housing requests can be made by using our [online housing request form](#), but requests for multiple housing units are best handled by direct email to [housing@fnal.gov](mailto:housing@fnal.gov). For further information, please contact the Housing Office at: (630) 840-3777 or email [housing@fnal.gov](mailto:housing@fnal.gov).

**[Upcoming Activities](#)**

