

Calendar

Mon., June 18

2:30 p.m.

Particle Astrophysics Seminar
- Curia II

To Be Announced

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m.

All Experimenters' Meeting -
Curia II
Special Topics: Antiproton
Source Status; Shutdown
Power Outages

Tue., June 19

12:00 p.m.

Summer Lecture Series - 1
West

Speaker: R. Pasquinelli,
Fermilab

Title: Engineering at Fermilab

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 NALCAL,
a weekly calendar with links
to additional information.

Weather



Sunny 90°/66°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Feature

Pesky zebra mussels shed from cooling water system



Zebra mussels were recently removed from the intake pipe at Casey's pond.

An overgrown zebra mussel population received a rude awaking earlier this month when FESS operations engineers treated Fermilab's water cooling system to remove the nearly 4,000 pounds of mussels plaguing the Casey's pond intake piping.

Foreign to the Midwest and without any natural predators in this region, zebra mussels can become problematic when they coat the inside of the water cooling system pipes. One zebra mussel can produce more than a million offspring each year, said FESS head Randy Ortgiesen. "If left untreated, they will eventually clog up the pipes, creating a huge problem," he said.

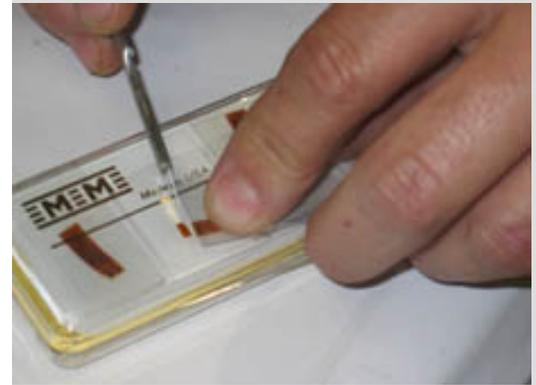
To remove the zebra mussels, engineers injected a chemical called EVAC into the intake pipe at Casey's pond and opened hydrants along the system to draw the chemical through the pipes. EVAC works by coating the gills of the mussels, effectively eradicating them. Although the pipes feed into the pond, EVAC is not toxic when used in such low quantities and does not harm fish and birds.

FESS engineers first treated the mussels in May of 2006 when they removed and flushed more than 15,000 pounds of them from the system. The process took about two and a half weeks.

This spring's treatment, which took a little more than 24 hours, was a follow-up measure to eliminate any zebra mussel offspring, called veligers, which made it into the system from

Safety Tip of the Week

Exact-o-ly



A member of the Technical Division demonstrates the proper cutting procedure when using an X-ACTO knife.

On 06/11/2007, a Fermilab graduate student accidentally sliced into the side of his left thumb pad with an X-ACTO blade while trimming a strain gauge. The wound was sufficiently serious that he was sent offsite for care that included 12 sutures. The task was an unusual one for the student, and, it turned out, he had not been following the procedure on which he had been trained.

The immediate causes of most hand injuries include using the wrong tool for the job, not wearing the appropriate kind of hand protection and not following procedures, as well as periods of inattention. Here are some things to remember to help prevent injuries to your hands.

Make use of specialized cutting tools. A common cause of lacerations is the use of a pocket or X-ACTO knife rather than specialized tools for tasks such as stripping wires or removing tie-wraps. The proper tools can improve productivity and safety.

Wear appropriate hand protection. Fermilab provides gloves to its employees to reduce the likelihood of injury. However, care must also be taken to avoid entanglement where such risks exist.

Review the work process before you begin. As you perform the task, is there any way you could cut yourself? If so, can you adjust the process to eliminate the risk?

Monday, June 18

- French quarter gumbo
- French dip w/horseradish cream sauce
- Smart cuisine: Santa Fe pork stew
- Tandoori chicken
- Turkey breast on homemade fococcia
- Assorted pizza slices
- Sweet n' sour chicken w/egg roll

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, June 20 Lunch**

- Arranchera al carbon
- Roasted red peppers
- Warm tortillas
- Pico de gallo
- Black bean & corn salad
- Coconut rice pudding

Thursday, June 21 Dinner

- Caponata
- Grilled lamb chops
- Canelli bean & celery root puree
- Blueberry cobbler

[Chez Leon Menu](#)

Call x4598 to make your reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

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Info

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

Send comments and suggestions to:
today@fnal.gov

the ponds. These treatments do not disrupt the system's operations, said FESS engineer Anne Lucietto.

FESS has been treating the water with EVAC twice a year. Starting in the spring of next year, FESS plans to inject bromine into the system daily to control the zebra mussels, as well as bacteria and fungi growth. They will treat with EVAC each fall.

Lucietto said that informing the Fermilab community has been a priority for FESS, which has given periodic presentations on the topic. She said the treatment program has been successful so far. "It's something we're going to have to keep up with," she said. "It's been a challenge, but I think we've won this round."

-- *Amelia Williamson*

In the News***Ebony,*
June, 2007****A Celebration of Black Fathers**

... From one side of the country to the other and in practically every community throughout, there are committed, reliable men who, no matter their socioeconomic conditions, embrace their fatherly responsibilities with the enthusiasm of Cliff Huxtable, the endearing character that Bill Cosby portrayed on *The Cosby Show*. For instance, take the case of [Fermilab Computing Division's] Keith Coiley in West Chicago, Ill. He was already widely respected and held in high esteem as a devoted father, but he took his dedication to a new level after his wife died, leaving him to care for their two children, Matthew and Sarah.

As a father is supposed to do, he allowed nothing to interfere with his parental duties, helping his children cope with such a substantial loss while, at the same time, providing them with the encouragement they needed to continue navigating their young lives. Not only was he a father, he was a mother, too....

[Read more](#)

[Safety Tip of the Week Archive](#)**Accelerator Update****June 13 - 15**

- Two stores provided 23 hours and 4 minutes of luminosity
- MI kicker problems continue
- MI RF LCW leak discovered
- Store 5492 quenched
- Pbar had trouble stacking
- A2 cryo system delayed TeV ramp

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements**Mentoring Sessions at DASTOW**

High school-age girls can sign up for one-on-one sessions with scientists and engineers. The sessions will be held during [DASTOW](#), June 21. Pre-registration is necessary for this program only. Information about the mentors and the program is available [here](#).

June Wilson Hall window washing

Window washing at Wilson Hall will continue through the end of June. Wilson Hall's interior will be washed this week. Floors 15, 14, 13 and 12 will be washed today. Please avoid walking through or moving barricades.

Men's locker room closed this week

Complications with renovations to the men's locker room on the ground floor of Wilson Hall will extend the room's closure through Friday, June 22.

Bob Betz memorial symposium

A memorial celebration of the life of Dr. Robert F. Betz and his lasting influence on Fermilab and the region will take place on Saturday, July 7, at 2 p.m. in Ramsey Auditorium. The event will highlight the great contributions that Bob made to prairie conservation and restoration in Illinois, in particular his work at Fermilab and its National Environmental Research Park. Please RSVP to x5422. Click [here](#) for more information.

[Additional Activities](#)

