

## Calendar

Monday, May 24

2:30 p.m. Theoretical Astrophysics

Seminar - Curia II

Speaker: D. Fox, California Institute of Technology

Title: Early-Time Observations of Gamma-Ray Bursts

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Special Topic: Critical Feeder

Replacement Project

Tuesday, May 25

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

## Wilson Hall Cafe

Monday, May 24

French quarter gumbo

French dip w/ horseradish cream sauce \$4.75

Pork Piccata w. Lemon Caper Sauce \$3.75

BBQ Roasted Quartered Chicken \$3.75

Italian Panini with Provolone \$4.75

Bacon Cheeseburger Pizza \$2.75

Sweet n' Sour Chicken with an Egg

Roll \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

## Weather

## Fermilab Chess Club Completes Best Season Ever



Fermilab Chess Club members (standing, from left): Irwin Gaines, Doug Moehs, Carl Staples, Arkadiy Bolshov, Gervasio Gomez and Gustavo Garzon. Seated: Lenny Spiegel and Ryan Schultz. Not pictured: Tim Ailes, Victor Bezzubov, Herman Cease, Len Christofek and Tommaso Dorigo. (Click on image for larger version.)

Last week, the Fermilab Chess Club completed what its 25 members are calling the best season ever. "This year has really been phenomenal," said Chess Club President Lenny Spiegel. "Everyone really seems to have clicked this year."

In the beginning of May, the club advanced to the Chicago Industrial Chess League playoffs and faced the Motorola Kings in the first round. Spiegel reports that Fermilab had a victory over the Motorola Kings but suffered a loss to the Motorola Knights in the second round of the playoffs. Fermilab celebrated a victory over the Pawns in the third and final round. The Fermilab Chess Club, which finished first in the far-west division of the

## Safety Tip of the Week

### Electrical Safety at Home

Advice from the NuMI Electrical Project Engineer Bob Ducar

We often take for granted the safety of the electrical system in our homes. But the reality is that there are often many situations that are unsafe that could



Bob Ducar

lead to shock, electrocution or fire. If you have no clue as to how the electrical system in your house works, try to get some understanding from someone who is knowledgeable. If you think you know what you are doing, here are some reminders. Also check with your local city on building code standards and regulations.

Always de-energize a circuit before starting any work. If your fuse or circuit breaker panel does not have a listing of what each circuit powers, take the time to develop one. Verify that the circuit is de-energized before working on it. Be careful to properly wire duplex receptacles for correct polarity. Use a tester to check the polarity. Light switches should switch the "Hot" wire to the load, never the "Neutral" from the load. GFCI receptacles should be installed in wet areas such as kitchen counters and bathrooms. For the outside, GFCIs are a must.

If a fuse or circuit breaker trips, replace it with the same size fuse or



Partly Cloudy 72°/57°

[Extended Forecast](#)

[Weather at Fermilab](#)

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league, tied for second place in the overall Chicago Industrial Chess League with Argonne and the Alumni Aces. Spiegel plans to organize some informal chess game over the summer and resume regular play in September.

## Electrical Safety Month Profiles

*In connection with Electrical Safety Month, Fermilab Today offers a series of profiles recognizing Electrical Coordinators at Fermilab.*

**Electrical Coordinator Joe Pathiyil**  
Joe Pathiyil keeps Fermilab running.

As the electrical engineering supervisor for FESS Operations and the FESS electrical coordinator, he makes sure the whole site -- from the Village to the Main Injector -- gets the power it needs.

Pathiyil's high voltage group performs maintenance and installation for Fermilab's power distribution system, from the 345,000 V



Joe Pathiyil

power lines to the 480 V lines that enter site buildings. When ever there's a power outage on site, Pathiyil gets the call.

"When there is an emergency, it can be hectic, with long days and sometimes very cold temperatures," said Pathiyil. "No matter what, safety is my priority. We have special safety procedures in place to make sure that people are protected."

Safety is a large part of every aspect of Pathiyil's work. As electrical coordinator, he inspects most of the

reset the breaker. If the circuit continues to trip, you have either an overload condition (start unplugging loads) or a circuit fault (contact a knowledgeable person or an electrician). Warm conductors or conduit is a sign of overload. Use #14 gauge wire for 15 Amp circuits, #12 gauge for 20 Amp circuits. Switches and outlets do wear out. Have them replaced immediately if there are any signs of sparking. Ground connections, including those to your water pipes and laundry equipment, are important for safety. Good electrical connections are tight and free of corrosion. It is not a bad idea to tighten all connections every five to ten years.

Have a great day and let's work safely all week!

[Safety Tip of the Week Archive](#)

### Announcements

#### Upcoming Classes

May 24 & 25 - Dreamweaver MX 2004 Intro

May 26 & 27 - Dreamweaver MX 2004 Advanced

June 15 & 17 - HTML Intro, Intro to Web Publishing

June 16 - Accomplishment Report Writing

June 21-25 LabView Intermediate I: Suc. Dev. Prac.

June 29 - July 1: HTML Intermediate: Enhanced Layout

June 30 - Excel Intro

July 8 & 21 - Accomplishment Report Writing

July 30 - Excel Intermediate

Aug. 10 - Access Intro

Aug. 24 - Word Intro

FESS electrical work permits. Once a year, he updates the high voltage electrical procedures and trains the electricians on high voltage practices. He's a longtime member of the electrical safety subcommittee, attending meetings once a month for eight years and working with the other members to ensure lab-wide electrical safety.

### Accelerator Update

May 19 - May 21

- During this period of time Operations established two stores that added with an existing store provided approximately 33 hours and 56 minutes of luminosity to the experiments.
- The TeV suffered two aborts and one quench
- TeV beam gap problem resolved
- Booster troubled by power supply problems

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

### In the News

#### From *Timberjay*, May 21, 2004

New physics project slated for Soudan Mine

By Marshall Helmberger

The home of the now-defunct proton-decay experiment, located at the bottom of the Soudan Mine, may soon play host to a new high-tech physics facility. The University of Minnesota has approved initial funding for a low-background radiation counting facility that would be housed in the cavern currently occupied by the inactive physics experiment.

### [more information](#)

**Accelerated C++ Short Course**  
On June 7, Fermilab will offer "Accelerated C++: A Short Course in Practical Programming by Example." This course is an extended professional development experience that emphasizes computer programming in modern standard C++. No tuition is charged; the only cost is for the required textbook (a URA subsidy is available for qualifying graduate students).

[more information](#)

**Scottish Country Dancing**  
Scottish Country Dancing will be held at 7:30 p.m., Tuesday, May 25, at the Geneva American Legion Post. Newcomers are always welcome. Info at 630-584-0825 or 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

**NALWO Annual Spring Tea**  
NALWO invites Fermilab women to the Annual Spring Tea at Beth Witherell's home at Site 29, Monday May 24 from 10:00 a.m. to noon.

[more information](#)

**Free English Classes**  
NALWO-sponsored free English language classes for beginning and advanced levels are Monday at the Users Center from 9:30 a.m. to 11:00 a.m.

**Electrical Town Hall Meeting**  
The Electrical Safety Subcommittee is offering an Electrical Town Hall Meeting on May 25 from 11:00 a.m. to 1:30 p.m. in One West. Drop in any time to have your questions answered. Topics can range from Fermilab's

The \$2 million project would be designed to detect background radiation being emitted by equipment and other materials being used in sensitive detection experiments, such as the cold dark matter research, also located in Soudan.

[read more](#)

Electrical Safety Policies to power feeders to woodpecker worries. For more information, contact [Bob Ducar](#).