

Fermi News

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INSIDE

- 2 Profiles in Particle Physics:
Al Goshaw
Harry Weerts
- 4 Prairie Harvest
- 7 New UEC

Duane Plant stands in the Main Ring/TeVatron tunnel. A 638-foot section was emptied out and readied for demolition.

Talk of the Town: The Shutdown

by Sharon Butler, Office of Public Affairs

"Shutdown" is surely a misnomer. Protons may no longer be crashing into antiprotons every 3.9 microseconds down in the Tevatron, but all about town, the bustle of activity belies any claims of a "closing down," however temporary. Over at FZero, hardhat crews and great-necked cranes are demolishing the Tev-RF building. The now-emptied tunnel beneath is being bulldozed, and construction

will soon begin of a new space to squeeze in beamlines connecting the Tevatron with the Main Injector. Laboratories in the Village are sweeping out "clean" rooms to make specialized parts for the latest-model detectors at DZero and CDF. Upgrades there are well under way to take advantage of the higher collision rates the Main Injector promises—and to tackle some new physics.

continued on page 8



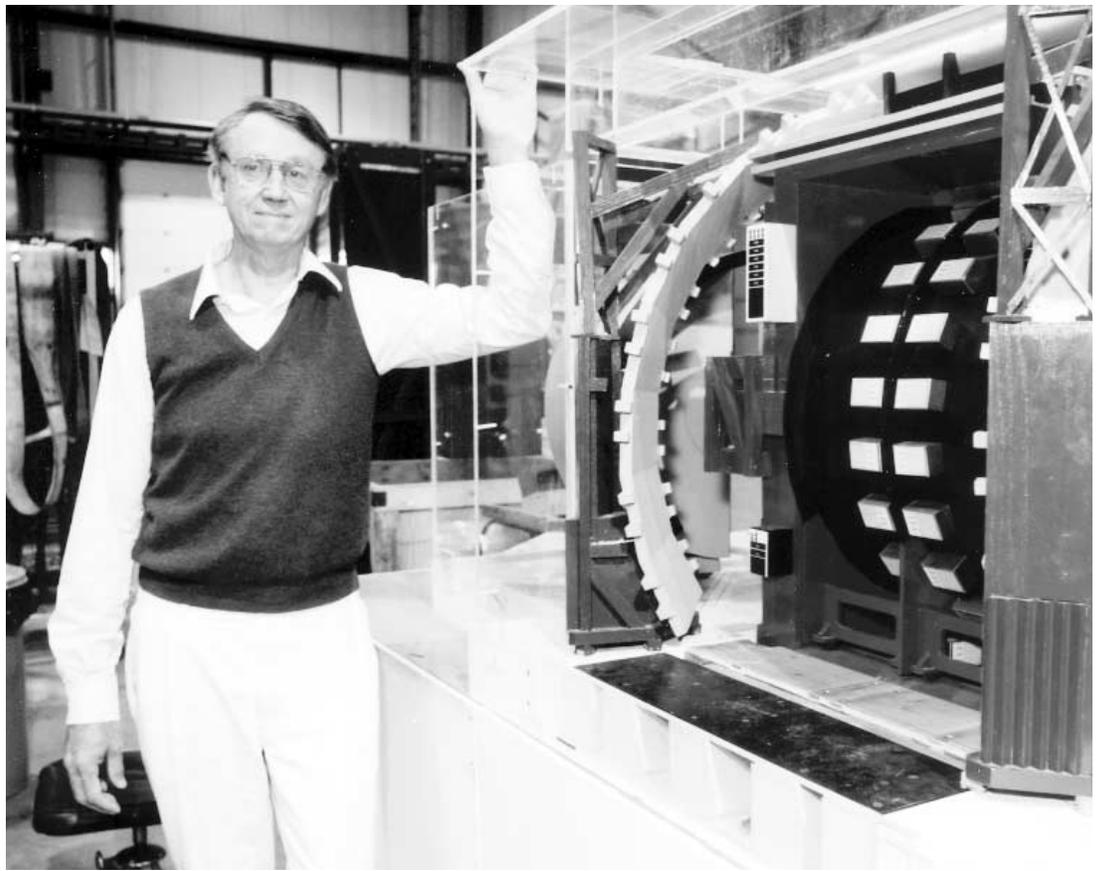
Photo by Reidar Hahn

Al Goshaw

Cospokesperson, CDF

Harry Weerts

Cospokesperson, DZero



CDF cospokesperson Al Goshaw with a model of the CDF detector.

by Sharon Butler, Office of Public Affairs

CDF and DZero have their differences.

When the scientific collaborations recently elected cospokespersons for their respective experiments, CDF took one approach, DZero another.

At CDF, Al Goshaw, a lean, soft-spoken man, came to the post by way of a labored route: nomination, followed by questions posed by the Election Committee, written responses posted on the Web and a live question-and-answer session.

At DZero, there was no campaign, but, instead, a series of steps in a very regulated election procedure. And Harry Weerts, an easygoing Dutchman—the Man van Staal, or Man of Steel, as he signs his e-mail messages—was elected.

Differences aside, both men now find themselves absorbed in the same weighty responsibilities: providing scientific leadership for their colleagues, representing their experiments to the outside world. Their jobs can't be easy. They each represent an international collaboration of about 430 scientists from over 40 institutions in several countries. Goshaw says his job is to "worry"—about organizational meetings, the status of upgrades, the readiness of data for publication, the disputes and resolutions. The sacrifices are plenty.

Weerts no longer has time for ogling Sears' carpentry tools and tackling woodworking projects. A professor of physics at Michigan State University, Weerts generally teaches Monday and Tuesday, and arrives at Fermilab Wednesday morning, demands on his time already piled high. What are the best moments on the job? He can't think of any. Or, come to think of it, they're when he hops into his car (DZero license plates) and heads back to Michigan.

Goshaw has arranged a leave of absence from Duke University in North Carolina, where he is professor of physics, but his schedule is no less grueling. The Chef Boyardee cans of tortellini that line his bookshelves attest to 13-hour days that begin at 7 a.m., when the CDF office trailers are still dark—and to the absence of family life. Weekends are reserved for quality time with his wife back in Raleigh-Durham.

Still, these are heady times for the two new cospokespersons.

In fact, a year before he was elected CDF cospokesperson, Goshaw had already declined major administrative responsibilities and commitments to other research projects at Duke. Convinced that "tremendously exciting research" was in store at CDF as the collaboration prepared for Run II, he wanted to be part of the adventure.

This is physics of potentially “more importance than the top quark,” says Goshaw, because it will venture past the Standard Model to probe “qualitatively new mysteries of nature.”

Weerts agrees. “We’re desperately trying to find something that explains the Standard Model and gives us some new physics.”

“That would make it easier for us to retire,” he adds, joking.

Role of cospokesperson

Of course, in the role of cospokesperson, managerial and administrative tasks daily overwhelm.

“We all came into physics because we wanted to do research,” says Weerts, but his duties now interfere.

Eleven months into his job as cospokesperson, Weerts still hasn’t quite reconciled himself to his new and consuming managerial role. He misses being able to tangle with a difficult physics problem. The son of a coal miner, Weerts was drawn to the field back in high school. His physics textbook ended with evocative etchings from a bubble chamber at CERN, and he knew there was something wonderfully more.

The reluctant spokesman rationalizes: someone has got to do the planning. “I’d like to see this collaboration blossom even more,” Weerts says of DZero. And he is certain he can “make that happen.”

“We could be happily analyzing data from Run I” for the next five years, he says, but he’s putting his energy into “getting this detector operating,” refurbishing a dauntingly complex detector for the next wave of particle physics.

As with Weerts, physics remains Goshaw’s first love. His best days, he says, are when his colleagues share their excitement over new experimental results.

The most trying are the days spent resolving disputes among collaborators, who, he insists, are all hard-working and earnest individuals. While resolutions are difficult, by all accounts Goshaw excels at the one-on-one discussions, the carefully chosen words, to win consensus among even the most hardheaded.

“The role of the cospokesperson [in resolving questions of scientific judgment] is to step in and damp down any volatile interactions, getting the discussion moving forward on the high ground,” says Goshaw.

Allies and rivals

Goshaw and Weerts are themselves heading for the high ground. Goshaw, the consummate diplomat, says he “feels strongly” that DZero is more CDF’s ally than rival and has proposed to the DZero cospokespersons regular meetings to

solidify their alliance. One threat to them both is that “awkward” year in 1999: The Main Injector will be running then and potentially siphoning off resources to other experiments while the detectors are still struggling toward completion.

Yet in data analysis, Goshaw acknowledges, CDF and DZero are certainly competitors. “Although CDF will still be a better detector than DZero in Run II,” he wrote in his statement of candidacy for the position of cospokesperson, “the technical playing field will be more level, and the group that wins will be the one most efficiently analyzing the data and getting the results in print. Being first does matter....”

Weerts, also, downplays the experiments’ rivalry—and readily acknowledges that DZero “may be the less photogenic detector.” But he still insists that DZero is the “better detector” and is not beyond poking fun at CDF. Pinned to his wall (“because no one can read it”) is a copy of an article from a Dutch newspaper, the title “Quark blijft ondeelbaar” in bold letters. CDF had published a paper citing a substructure in quarks as one possible explanation for data that deviated from the expected. The newspaper interviewed several theoretical physicists in The Netherlands, who all said what the title says: No way.

Allies, maybe, sometimes, but in their scientific work, CDF and DZero are rivals as ever. ■

DZero cospokesperson Harry Weerts with his dismantled detector.



Photos by Reider Hehn



Fermilab's Dave Shemanske showing volunteers how to identify certain species.



Roseanne Stansbury and Andria Turpin, from Chicago, take a break during the harvest.



Andrew Taylor is primed and ready for a successful harvest.

Scenes from a Prairie Harvest

People from around the Fox Valley community help Fermilab restore a bit of Illinois history

by Donald Sena, Office of Public Affairs

Despite a gloomy morning and intermittent rain showers throughout the day, scores of volunteers spent a warm October day in Fermi National Accelerator Laboratory's tallgrass prairie, picking flower heads and learning about the complex ecosystem.

The public event has grown steadily in popularity over the years, with nearly 250 volunteers coming out on October 4. Armed with gardening gloves and many styles of clipping sheers, the volunteers charged into the soggy prairie, looking for specific species of flowering plants. The harvest, while fun, also serves an important ecological function, said Mike Becker, one of Fermilab's prairie experts. He said large combines are effective for harvesting the

prairie grasses, as they tend to be taller; however, the combine misses most of the shorter flowering plants, which the volunteers gather at the public harvest. The seeds are later cleaned and then planted the following spring, enhancing other tracts of Fermilab prairie. The Lab's dedicated environmental team also shares the seeds with other prairie restoration projects in Illinois and beyond. The result of the two annual prairie harvests—the next one is Nov. 1—is no less than the restoration of a bit of history in Illinois, the Prairie State.

continued on page 6



Greg and Jennifer Graham (left) work as a team during the harvest, as do Diana and Amanda Taylor (right).

Photos by Donald Sena



Harvesters work without clipping shears.



Bob Lootens (left), one of Fermilab's prairie experts, teaches Batavia High School's TREE club how to identify prairie grasses.





Clyde "Beck" Becker (right), a longtime harvest volunteer, finishes his day's work.



Photos by Donald Sena

Members of the Campfire Boys and Girls, from Lombard and Villa Park, enjoy lunch after a couple of hours in the prairie.

Prairie Harvest

continued from page 4

Becker said people often forget that much of northern Illinois was once blanketed by the very species in Fermilab's prairie. The arrival of the plow and the clearing of the land for agriculture almost eliminated the native flora. However, Fermilab's commitment to its prairie for more than 20 years has resulted in an ecosystem similar to the area's original landscape.

Volunteers

Participating in the history are Fermilab neighbors from all across the Fox Valley and beyond. Some come to relax, others for extra credit in school, and still others to learn about the grasses.

"We have ages from Brownies to grandmas," said Becker, "and everyone in between."

One of those in between was Kurt Biery. The CDF collaborator brought along some kids from Lombard and Villa Park involved with the Campfire Boys and Girls clubs. The youngsters were munching on hotdogs after their harvest time, as Biery mentioned two main reasons that he brought the group to Fermilab.

"It's a service and something fun," said Biery, expressing a sentiment echoed by many others at the harvest.

Members of the Batavia High School TREE (Teens Respecting Earth's Environment) club also joined in the festivities. In fact, Bob Lootens, another of Fermilab's prairie experts, pulled the group for special duty. The club rode a bus to the south ring to locate and harvest the species known as Foxglove Beard Tongue, a flowering plant needed in other parts of Fermilab's prairie. The group was up to the task, indeed.

"We like to come here each year and get out in the middle of nature," said one member of the club.

Other groups and families also were spread among the grasses. To the south were kids from West Chicago Middle School getting some extra credit. To the west was the Rae family from Batavia, including Peter, 11; Adam, 7; and mom, Marge, who politely declined to give her age. Peter and Adam were wearing soccer uniforms, and Marge pointed out that one had just finished a game and the other was heading to one soon. Ah, the busy life of a harvester.

Greg Graham, a graduate student on the KTeV experiment, and his wife Jennifer Pashup-Graham worked as a team picking Mountain Mint, while Diana and Amanda Taylor crouched under an umbrella, not willing to let a little rain spoil their harvest.

And Andria Turpin and Roseanne Stansbury made the long drive from the concrete of Chicago to the soft grasses of the prairie. They ended their two-hour harvest by climbing up to a survey tower and marveling at the acres upon acres of history blowing softly in the breeze. It was, they said, refreshing. ■

**" We like to
come here
each year and
get out in the
middle of
nature."**

~ a member of
Batavia High School's
TREE club.

Mike Becker, another of
the Lab's prairie experts,
helps a volunteer
contribute her day's work
to the group's effort.



The following people make up the new UEC (an asterisk indicates a new member):

- Karen Byrum*, Argonne National Laboratory
- Linda Coney*, University of Notre Dame
- Mary Ann Cummings, Northern Illinois University
- G. William Foster*, Fermilab
- Gerald Garvey*, Los Alamos National Laboratory
- David Gerdes (chair), Johns Hopkins University
- Richard Gustafson, University of Michigan
- Tacy Joffe-Minor, Northwestern University
- Young-Kee Kim, University of California, Berkeley
- Naomi Makins, University of Illinois at Urbana-Champaign
- Patricia McBride (ex-chair), Fermilab
- Gregory Snow*, University of Nebraska
- Darien Wood*, Northeastern University

New Users' Executive Committee at Fermilab

Gerdes selected as UEC chair

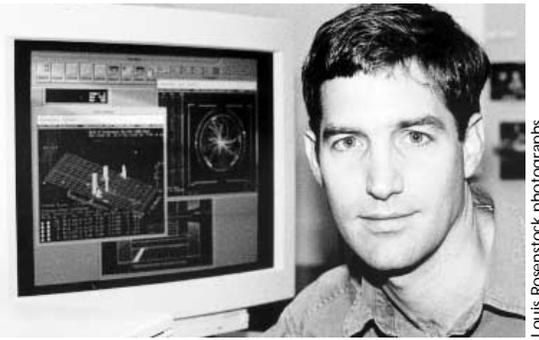
by Donald Sena, Office of Public Affairs

Fermilab's Users' Executive Committee seated its new membership and selected officers for 1997-98 at its September 27 meeting. The group unanimously elected David Gerdes of Johns Hopkins University chairperson and established that the duties of secretary will be shared by Tacy Joffe-Minor of Northwestern University, Greg Snow of the University of Nebraska and Darien Wood of Northeastern University.

Gerdes succeeds Fermilab physicist Patty McBride as chair; McBride, however, remains on the group as an ex-officio member. The UEC also seated six new members from different laboratories and universities around the country. During a recent interview, Gerdes said he is looking forward to leading the important committee and he wanted all users to contact the UEC with any questions or concerns, as the body is the liaison for the university and lab scientists with Fermilab.

"We are the formal voice with Lab management and URA," said Gerdes.

The Johns Hopkins professor mentioned several key issues that he and the UEC want to address in this term. First, he mentioned keeping an already strong focus on issues pertaining to younger physicists. He said the UEC must concern itself with those graduate students and postdocs who will continue in high-energy physics, as well as with those who



Louis Rosenstock photographs

David Gerdes, new UEC chair.

move out of the field. He stressed having more activities related to career development, resume preparation and hosting speakers both within physics and outside the field. Gerdes also hopes to continue the strong relationship between the UEC and the Graduate Student Association.

The new UEC chair also commented on other issues, such as having a voice in the search for Fermilab's next director and dealing with site access issues. Gerdes mentioned continuing the progress with outreach and education, and reaching the policy makers and government representatives in the nation's capital.

"We see it as our role to monitor the state of funding activities in D.C.," said Gerdes, adding, "We also try to make [the government representatives] aware of the great physics at the Lab."

Along with seating new members and electing officials at the UEC meeting, Patty McBride, the outgoing chair, thanked all outgoing members for their hard work over the past year. Also at the meeting, the UEC set up the subcommittees that will tackle some of those key issues Gerdes mentioned earlier. McBride will lead the high-energy physics direction and funding subcommittee; Karen Byrum, from Argonne National Laboratory, takes on quality of life issues; Joffe-Minor leads the Younger Physicists subcommittee; Snow will chair the Outreach and Education subcommittee; Mary Anne Cummings, from Northern Illinois University, and Naomi Makins, from the University of Illinois at Urbana-Champaign, will cochair the Users' Meeting group; and Gerdes will lead the annual trip to Washington, D.C.

Information about the UEC and other user activities can be found on the World Wide Web at http://www.fnal.gov/orgs/fermilab_users_org/uec.html ■

The new UEC. Seated, left to right, Tacy Joffe-Minor, Mary Anne Cummings, Naomi Makins, Karen Byrum. Standing, left to right, Greg Snow, Linda Coney, Patty McBride, Bill Foster, Richard Gustafson. Some members not pictured.



Photo by Jenny Mullins

The Shutdown

continued from page 1

Finally, over at the Central Utilities Building, electricians are busy rewiring to power the world's most powerful particle accelerator.

It is, as Steve Holmes, project manager for the new Main Injector, said, "the most ambitious shutdown ever at Fermilab, in terms of the scope of activities not just on the Main Injector but across the whole site."

Demolition begins

"It was like the old days," says Duane Plant, project coordinator for the Main Ring de-installation, describing all the effort that went into emptying out the Tev-RF building at FZero and clearing out the 638-foot length of tunnel underneath. "People were actually having a good time, even though it was a lot of long hours. I got to see some of the old Lab; it was refreshing."

Planning for the project itself was a job, which began in July. According to Plant: "Schedules had to be made, containers built, wheels and dollies ordered, schedules modified, fixtures ordered, people trained, labels and destination tags made, schedules modified, tank trucks rented, contracts written, elevators and cranes serviced and schedules modified."

Duane Plant (right), project coordinator for the Main Ring de-installation, hands the certificate of title to the tunnel to Dixon Bogert, assistant project manager for the Main Injector. According to the certificate, the tunnel is "no longer useful in its present state" and solely in need of modification.

A two-ton steel ball demolishes the Tev-RF building.



Photos by Reider Hahn

Removal was especially difficult because the equipment had been in these areas since 1970–71. "We had to take [the equipment] out and save it," said Plant, "so we had to take it out nicely, find a place to put it, and keep track of it so we didn't lose it."

"One morning, as I watched 30-plus people in the tunnel removing, well, everything, I thought to myself, this is it, this is really it, 'water to the ropes,'" he said. "I saw the old 'let's go do it' spirit right there in front of me."

More than 100 workers were involved, and brought the project to completion ahead of schedule: three days early on the building, 10 days on the tunnel.

Huge John Deere shovels fitted with two-ton steel demolition balls have now razed the Tev-RF building—referred to as the "new addition," even though it was built 13 years ago. It contained the Tevatron's high-level radiofrequency electronics, which will be placed in a building just to the east that used to house the Main Ring equipment.

The tunnel segment will also disappear soon, with a reconfigured concrete tunnel constructed in its place, allowing room for the new beamlines from the Main Injector to the Tevatron.

DZero upgrades

Out at DZero, the upgrade for Run II is in progress—an upgrade so complicated that design and planning began in 1990, even before Run I was launched.

A major component of DZero's upgrade, says Project Manager Jim Christenson, is the state-of-the-art tracking system inside the new magnet, at the very center of the detector.

The \$2-million superconducting solenoid magnet, built and tested by Toshiba, is to the naive eye an unimpressive piece of welded industrial artwork now lying unadorned in the DZero hall. But this giant tin can 2.8 meters in length and 1.4 meters in diameter will enable DZero to tackle *b* quark physics and the matter-antimatter asymmetry called CP violation, as well as a host of other interesting physics topics. The magnet will be installed early next year.

Inside the magnet will be DZero's pièce de resistance: its tracking system, designed to pinpoint the whereabouts of particles. The tracking system consists of a silicon detector and a brand new scintillating fiber tracker.

The silicon detector consists of 830,000 channels of individual detector strips, says Christenson, with a spatial resolution of about 10 micrometers: "They are very precise, and very difficult to build." The SiDet Facility (Labs C, D and A) is fabricating them.



Outside the silicon detector lies the scintillating fiber tracker. “This is our R&D stunt,” says Christenson. “You’re only allowed one big stunt in an experiment, and this is it.”

The fiber tracker contains about 70,000 fibers, each one a millimeter in diameter, laid out along eight concentric cylinders. When particles pass through the cylinders, light is generated in the fibers that are struck and is transmitted to VLPCs (visible light photon counters), enabling experimenters to determine the particles’ trajectories.

The fiber tracker is being built in Lab 3, in the Village. “It’s a daunting task,” says Christenson. “In a cross section about the size of a conference table, ribbons of tiny fibers need to be laid out to within 1/1,000 of an inch.”

CDF upgrades

Like DZero, CDF is relying on the SiDet Facility to create wonderfully sophisticated silicon microvertex detectors. These new detectors, SVXII and ISL, have over 700,000 channels instead of the mere 40,000 of the original SVX. According to Bob Kephart, comanager for the CDF upgrade, the new devices will help the experimenters identify *b* decays from the top quark and venture farther into *b* physics, a hot topic in particle physics laboratories all over the world.

Myriad other activities are under way to improve the detector. For instance: In the collision hall, oversized cranes will soon lower tens of tons of steel shielding now bolted to the ceiling. With the Main Ring no longer passing through the hall, the shielding is not needed. In its place will go new steel chambers for CDF’s muon detection system.

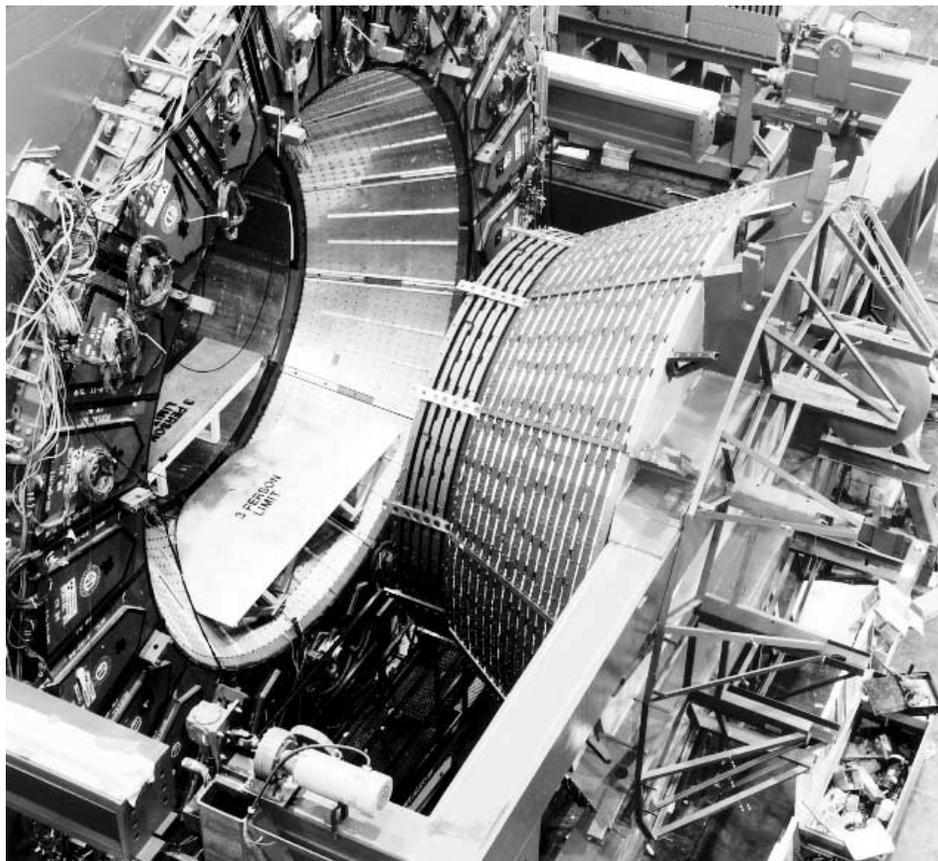
“Hoisting these pieces up to their new homes will be a major enterprise,” said Kephart.

Also, technicians are rebuilding the calorimeters in the end plugs—100-ton space capsules that fit in the ends of the detector’s large superconducting solenoid. The new version, with scintillator tiles and optical fibers, will ensure a single uniform technology over the whole detector, improve resolution, and seal cracks and gaps. It will be fast and “radiation hard”—and, unlike the older technology, able to survive the demanding collision rates the Tevatron will now produce, in conjunction with the new Main Injector.

CUB renovations

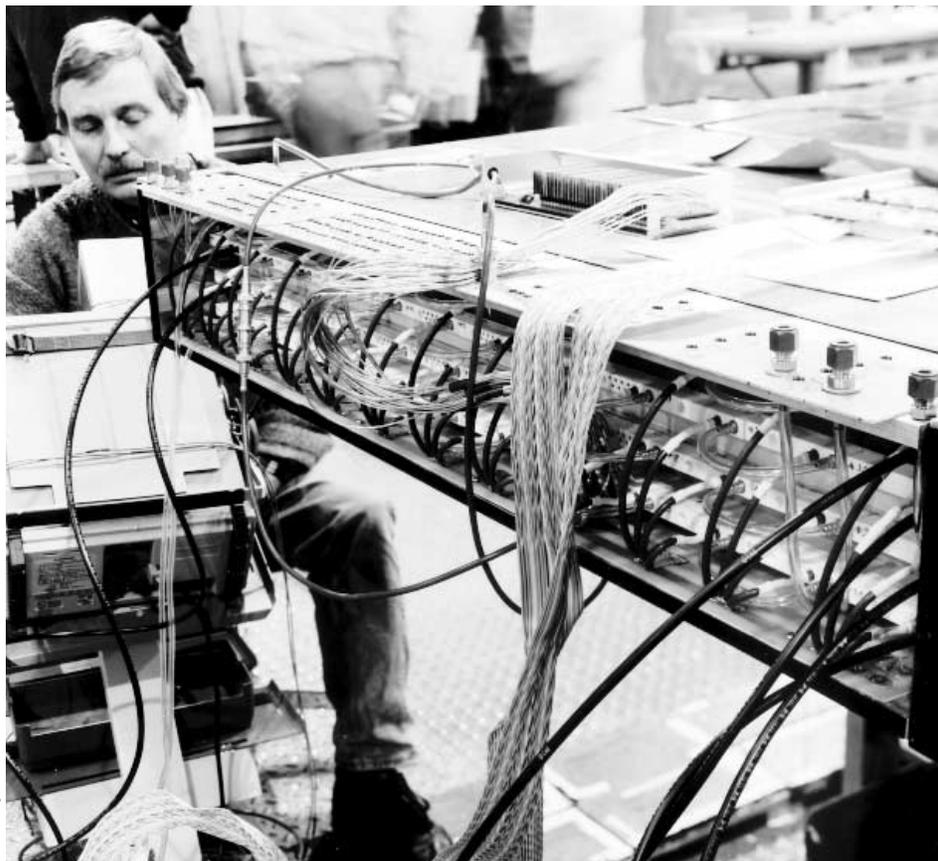
Meanwhile, over the last year, the Facilities Engineering Services Section has begun replacing faulty wiring in the most

continued on page 11



End plugs are being rebuilt for the CDF detector.

Valery Tokmenin, an electrical engineer at DZero, works on a mini-drift chamber for the muon detector.



Photos by Reider Hahn

Unsafe at any (shutter) speed

The photographs illustrating a story on taking apart the Main Ring, in the last issue of *FermiNews*, recorded at least four unsafe practices in the use of personal protective equipment. In the photo at left, for example, Chris Exline has his hard hat on backward and wears no eye or face protection while using a Sawzall to cut loose a Main Ring magnet. Wearing a pair of work gloves wouldn't be a bad idea, either.

In fairness to Exline, his photo was posed for the photographer—the Sawzall wasn't really plugged in. Other photos in the story also showed Fermilab technicians re-enacting tasks involved in taking apart the Main Ring. The absence of hard hats and safety glasses, the hard hats on backward, and the lack of protection from falling when working at a height occurred

because the photos were posed for the camera and did not depict actual work, Beams Division staff said.

“So far, we have had a very safe shutdown,” said Department Head Fritz Lange. “Our senior safety officer, Howard Casebolt, has observed that with the exception of a few minor and correctable violations, he has had no major concerns.”

Nevertheless, “the photos point up the need for continued attention to the proper use of personal protective equipment at Fermilab,” said Beams Division Deputy Director Richard Andrews. A Labwide training program in the use of such equipment, begun in July, will be completed by early December. ■

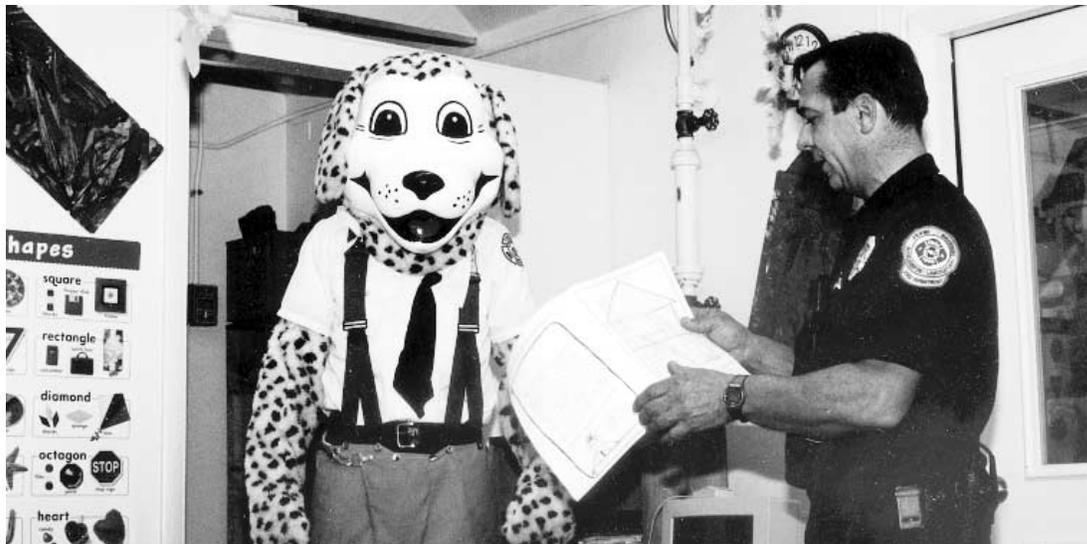


Photo by Reider Hahn



Photos by Monica Sasse

The children listen intently as firefighter Neil Dal Cerro talks about the equipment on the fire truck.



Firefighter Dal Cerro goes through the fire safety coloring book with the children as Sparky the Dalmatian (firefighter Chuck Kuhn) looks on.

Fermilab Fire Department Visits Children's Center

by Monica Sasse, ES&H Section

On October 8, in conjunction with National Fire Protection Week, members of the Fermilab Fire Department gave their annual fire safety presentation to the students at the Children's Center. Firefighter Chuck Kuhn, dressed as Sparky the Dalmatian, delighted the children as an icon of fire protection. Firefighter Neil Dal Cerro talked to the

children about fire safety issues such as “stop, drop, & roll,” “stay low & know where to go,” and the importance of changing the batteries in smoke detectors. Dal Cerro and Sparky also handed out fire safety coloring books and fire chief hats to all the children. The kids were also thrilled to see Dal Cerro dressed in firefighting protective gear, as well as to see the equipment on the fire truck. ■

Chez Léon

M E N U

Lunch served from
11:30 a.m. to 1 p.m.
\$8/person

Dinner served at 7 p.m.
\$20/person

For reservations, call x4512
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Dietary Restrictions
Contact Tita, x3524

Lunch Wednesday October 29

Cheese Fondue
Marinated Vegetable Salad
Pears Poached in Red Wine

Dinner Thursday October 30

Dracula Dreams
Black Cat's Delight
Devil's Ecstasy

Lunch Wednesday November 5

Calzone with Cabbage,
Bacon and 3 Cheeses
Marinated Vegetable Salad
Apple Walnut Cake

Dinner Thursday November 6

Squash Bisque
Medallions of
Pork Tenderloin
with Paprika Sauce
Vegetable of the Season
Lemon Soufflé with
Grand-Marnier Sauce



DZero technicians Rolando Flores (left) and Dan Christenson adjust detector parts that will fit between the solenoid and calorimeter.



Photos by Reider Hahn

A CDF technician works on upgraded pieces for the new calorimetry system.

The Shutdown

continued from page 9

problematic of Fermilab's old electrical power feeders. It is also running cables from the new Kautz Road substation near the Main Injector to Fermilab's main substation. That way, Fermilab will be able to switch power between the two main Commonwealth Edison lines, improving the odds that the Lab will always have power.

Out at the aging Central Utility Building, FESS is replacing all of the old instrumentation and controls for the Lab's entire utility system. When that task is complete, an operator will be able to monitor and control all utility systems from one location, around the clock.

As David Nevin, head of FESS, puts it, the new Main Injector and the upgraded collider detectors won't be worth anything if a 25-year-old electrical feeder fails—and shuts down the entire Lab for real. ■

CALENDAR

NOVEMBER 1

Prairie Harvest from 10 a.m.–2 p.m. Follow on-site directions to harvest sites. Wear field clothing and gloves. Bring pruning shears and paper grocery bags. If you plan to bring a large group, please call Roads and Grounds, x3303.

NOVEMBER 4

Wellness Works: Immunization Clinic. Flu, pneumovax and TD injections offered, 1 West from 11 a.m.–2 p.m.

NOVEMBER 8

Fermilab Art Series presents: Paul O'Dette, \$14. Performance begins at 8 p.m. in Ramsey Auditorium, Wilson Hall.

ONGOING

NALWO coffee mornings, Thursdays, 10 a.m. in the Users' Center, call Selitha Raja, (630) 305-7769. In the Village Barn, international folk dancing, Thursdays, 7:30–10 p.m., call Mady, (630) 584-0825; Scottish country dancing Tuesdays, 7–9:30 p.m., call Doug, x8194.

LAB NOTES

FERMILAB FITNESS

Tae Kwon Do, the Korean art of self defense. Classes are held on Monday, Wednesday and Friday from 5–6 p.m. in the gym. The cost for a 10-week session is \$50. To register contact Al Haugen, instructor, during class hours. Student must provide their own uniform.

Winter Volleyball League begins Monday, October 27. Games are held on Mondays from 6–10 p.m. League representative: Mark Mattson, x3139, mattson@fnal.gov.

Winter Soccer League begins October 29. Games are held on Wednesday & Friday at 6 p.m. in the gym. Pickup games will be held the week of October 13 and October 20. To join the league, contact Sandor Feher, x2240 or fehers@fnal.gov, or the Recreation Office, x2548 or jeanm@fnal.gov.

Note: Current gym membership is required to participate in any of these activities.

GIVING

As a Fermilab employee, you have the opportunity to contribute by payroll deduction to one, two or three charities of your choice. Your participation is completely voluntary.

To participate, a contribution of at least \$26 for one and \$39 for two or more charities must be pledged. The charity must be approved by the IRS. The payroll deductions you designate will be made every pay period and will cease at the end of the calendar year. Your last check stub will show your total contributions for income tax purposes.

Please consider helping the charities of your choice during the upcoming year. Your contribution can make a difference. If you have any questions, call Ruby Coiley, x8365.

CLASSIFIEDS

FOR SALE

■ '95 Ford Windstar GL, auto, V-6, power steering, windows, doors and mirrors, privacy glass, a/c, ABS, AM/FM stereo cass., seven passenger, tilt steering wheel, luggage rack, cruise, rear defogger and wiper, easily removable bench seats, two front high back cap. seats. Very clean, only 46k miles, \$14,800 obo. Call Paul, x8114 or upshaw@fnal.gov.

■ '93 Ford Ranger XLT, extended cab, 4.0 liter V-6, 5 spd, ps, pb, a/c, am/fm cassette, sliding rear window, tonneau cover, bed mat, 41.5K miles, excellent condition, \$9,500 obo. Call Ron, x8864 or (630) 466-1823.

■ '93 Sentra Nissan XE, 4 doors, 58K, a/c, cruise control, automatic, am/fm cassette, exc. cond. \$6,000 obo. Call Tais, x3956 or (630) 469-2763. '84 Corvette, 68K, auto., Boze, loaded, extra clean, 2-tone bronze/bronze lthr int., new tires/exh. sys., \$10,600. Call Lois, x4372 or (630) 393-2183.

■ AVON Early American, cranberry red dinnerware set: 4 each of dinner plates, salad plates, cereal bowls, glasses, coffee cups, water goblets. Plus sugar/creamer/butter dish, oil/vinegar cruets, 2 tall & 2 low candle holders, large platter, relish plate, salt/pepper shakers, wine carafe w/4 goblets, water pitcher & gravy boat. Total of 42 pieces, price \$125. Call Marion, x2767 or evenings (630) 820-2470.

■ Waechtersbach Christmas dishes (red w/tree). Set of six plus many serving pieces and accessories. Call (847) 608-8750 or Denise, x8394.

■ Two Ethan Allen Queen Anne wing back chairs, floral pattern. Excellent condition. Asking \$75 each or \$150 for both. Call Sandy, x4171.

■ Townhome for sale by owner: 2 bedroom, 1-1/2 bath, loft, full basement, vaulted (20 ft.) ceiling w/skylight, fireplace, large deck, marble entryway & much more. Across from Cantigny (7 miles from lab), near Metra and access to Rt. 88. \$135,000. Call Bill, x8368.

■ House, west in Rochelle, Illinois. Six rooms, 1-1/2 story house w/garage, near park, elementary school and high school, 943 Woolf Ct., quiet town. \$93,500. Call (815) 652-7945.

■ Home, spotless, 4 bedroom, 2 stories, in Yorkville. In a beautiful neighborhood, this home has a family room, dining room, living room, 2-1/2 baths, screened-in-back porch, stained wood deck along entire back of home, and professionally landscaped yard. For more info., please call Jim or Kim at (630) 553-0112.

FOR RENT

■ Lower level of duplex w/large front yard and fenced back yard, 2 bedrm, 1-1/2 bath, huge updated kitchen, dishwasher, washer/dryer, all appliances, fireplace, screened-in front porch and two car garage. Small pets may be o.k. Batavia, short- or long-term lease. \$895. Call (630) 761-8344.

WANTED

■ Warrenville resale shop has part-time cashier/sales position. Must be personable and energetic. 2 days/week. Flexible hrs. Call (630) 393-2626 (10 a.m.-5 p.m.).

MILESTONE

RETIRING

Thomas Fritz, ID #3608, TD/Development and Test, November 1, 1997. His last day will be October 31, 1997.

LETTERS TO THE EDITOR

I would like to extend my deep and sincere appreciation to the people of Fermilab for their kindness and generosity. The outpouring of compassion, love and support for my benefit fund raiser was truly heartwarming. It is unfortunate that sometimes it takes a tragedy to bring people together but it reminds of the wonderful humanity good people have for one another.

So many people helped make this event a success that it is difficult to properly thank everyone, but believe me, I will never forget. "Thanks" is not enough.

You have opened new doors for me and helped to give me renewed hope and inspiration. I thank you for making all of that possible.

With love and gratitude,
Angie McKenna LaRussa

I know technology must move forward, but it was with sadness in my heart that I read of the Main Ring closure. I started working for Fermilab in 1970, insulating the coils that produced the first magnet to enter that ring. I continued to insulate those coils until October 1990. I suppose I worked on every coil in that ring until my retirement. I had so many friends among all the employees there: Jack Jagger, Richard Isminger, Steve Barath, Richard Douglas, Dorothy Taylor, just to mention a few that worked to accomplish the task before us. LaDaune Trierweiler is a friend and was a co-worker from the time I began there. What an enjoyable time it was for me to be a part of what I considered a family atmosphere. It will always be close to my heart.

Sincerely,
Mary Lee Brooks



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Please send your article submissions, classified advertisements and ideas to the Public Affairs Office, MS 206 or e-mail ferminews@fnal.gov

FermiNews welcomes letters from readers. Please include your name and daytime phone number.

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