

FermiNews

The Newsletter of the Fermi National Accelerator Laboratory

SITE ACCESS CHANGE BEGINS SMOOTHLY

On July 22, Fermilab changed the pattern of traffic access to the Laboratory site. The Laboratory now requires all public motor vehicle traffic to use only the Laboratory's main entrance at Pine Street and Kirk Road on the Laboratory's west side for entry and exit.

"Public acceptance of the site access change has been outstanding," said ROGER CLARK, security chief. "The vast majority of people have been very understanding and positive in their comments."

Fermilab made the access change to solve the problem of commuter traffic cutting through the Laboratory site. It was estimated that upwards of 3,500 cars were cutting through the site each day. Over the years, this number has grown and the burgeoning population in surrounding areas led the Laboratory to predict further increase.

COMMUNICATION EFFORT

Knowing that the vehicle access change would affect many surrounding neigh-

bors, the Laboratory embarked on a very broad communication effort to explain the change and assure the public that they were still invited to visit the Laboratory for educational, cultural and recreational activities. To get the word out, informational brochures were sent to the 22,000 households immediately adjacent to the Laboratory. The brochures were also distributed at the Laboratory gates during the week prior to the access change.

To give commuters time to find alternate routes, signs were posted on the site for a month prior to the change. The Public Affairs Office also issued a press release to all local newspapers and the Laboratory held meetings with government officials of the neighboring communities and members of the press. "I think the Laboratory's willingness to very openly communicate with the public really helped in how well people accepted what was happening," said Roger Clark.

On Sunday, July 16, Fermilab held a public meeting aimed at clarifying any

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misconceptions regarding the vehicle access change and to hear the views and concerns of the public. About 80 people attended the meeting. A number of people voiced concerns and made suggestions. Director JOHN PEOPLES, Associate Director BRUCE CHRISMAN and Assistant Director JACK PFISTER listened to the concerns and the Laboratory has responded in the following ways:

ACCESS FOR ACTIVITIES

Guards at all Fermilab gates are instructed to admit concertgoers, people attending lectures and films, members of sports teams, the Garden Club, the folk dance group, students on field trips, contractors working at the Laboratory—in short, those who are coming to the Laboratory for specific activities, not cutting through the site.

GATE PASSES

In response to neighbors' requests, the Laboratory has designed a "gate pass" system to allow vehicles access through both Batavia and Pine Street gates for

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SCIENTISTS RECEIVE PROMOTIONS

Following recent recommendations of the Fermilab Committee on Scientific Appointments, Director JOHN PEOPLES has promoted nine Fermilab scientists. Those receiving promotions to Scientist II were GREG BOCK (RD), JIM FREEMAN (RD), STEVE GEER (RD), PETER KASPER (RD), BOB NOBLE (AD), STEPHEN PARKE (RD), JIM PATRICK (RD) and ROBERT L. WAGNER (RD). ARLENE LENNOX (AD) was promoted to Applied Scientist II.

Greg Bock is currently the KTeV project manager and head of the KTeV group in the RD/Research Facilities department. Since he began working at Fermilab in 1983, Greg has concentrated his experimental studies on CP violation and rare kaon decays.

Jim Freeman is technical coordinator for the Compact Muon Solenoid barrel hadron calorimeter design. Besides his work on the LHC detector's calorimeter, he led construction of a new CDF track-finding trigger for Run II.

Steve Geer led the CDF Off-line group for Run Ia. He is currently spokesperson for experiment E868, whose measurement of the antiproton lifetime has made a significant improvement in the lower limit over previous measurements. Steve serves as QCD Analysis group convener for CDF.

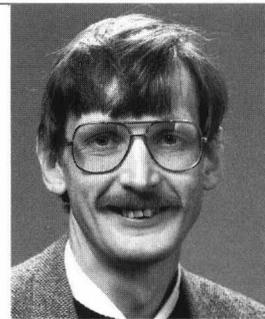
Peter Kasper serves as head of the Research Division Operations department. He has made significant contributions to the physics output of experiments E683 and E687. Peter joined the Laboratory in 1986



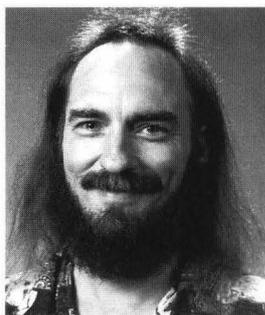
Greg Bock



Jim Freeman



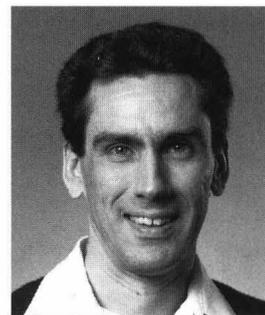
Steve Geer



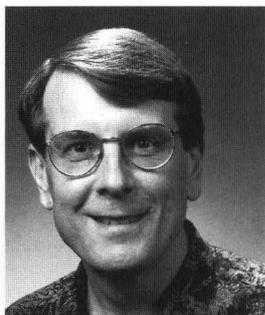
Peter Kasper



Arlene Lennox



Bob Noble



Stephen Parke



Jim Patrick



Robert L. Wagner

and became the head of the RD/Operations department in 1992.

Arlene Lennox, head of the Neutron Therapy Facility, was promoted to Applied Scientist II. Arlene has made many contributions in the field of medical applications of accelerators, in particular to neutron therapy. She has made significant recent efforts to push forward the use of boron neutron capture therapy.

Bob Noble served as project manager for the Linac Upgrade, which met the design specifications a few

weeks after turn-on in October 1993. Bob joined the Linac department in 1986 and has worked on low-energy beam transport calculations, Linac beam dynamics and Linac cavity design.

Stephen Parke, a member of the Theoretical Physics department, works in a number of areas in theoretical physics including neutrino oscillations. He joined the Laboratory in 1983. Currently, Stephen is working on the spin correlations in top quark production and decay.

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HAWKS SURVIVE AMID MAIN INJECTOR CONSTRUCTION

Construction sites are usually not the place for fledgling birds and endangered hawks. But this spring, due to a nesting family of Cooper's Hawks, the Fermilab Main Injector site became not only a construction area, but also a wildlife haven.

In early April, a pair of Cooper's Hawks, an Illinois endangered species, took up residence in a tree located in the path of construction in the Main Injector area. To allow the birds to nest and avoid possible delays in construction, Fermilab, later in June, struck a sort of "accord" with the hawks, establishing a 50-yard no-stop zone around the nesting area and modifying its preparatory site-clearing work. The no-stop zone required that people not stop their vehicles or walk in the 50-yard area around the hawk nest.

"Some might think that finding an endangered species in a construction site is the end of the world, and con-

struction," noted ROD WALTON (ES&H). "But it isn't. You can make minor changes and everyone is happy in the end."

DIXON BOGERT, head of the Main Injector construction project, noted that Fermilab had to modify its construction schedule only slightly to ensure that the hawks could nest successfully. "We found that by following the natural schedule of work, we could avoid disturbing the hawks," Dixon said. "We were very happy to cooperate with the hawks. We scheduled our T&M clearing and excavating work around their nesting."

The cautious approach to the hawks paid off when, in late June, three baby hawks hatched. The birth of the hawks was a somewhat monumental event for the Lab, noted Rod. "This is the first time that we have had a confirmed nesting of Cooper's Hawks on site," he said. "Hopefully they will come back."

Despite the fact that these hawks had three fledglings, an unusually large number, the Cooper's Hawk population throughout the state of Illinois has declined in recent years. Normally, the hawks have one or maybe two young at a time. Although scarce in Illinois, they are not on the Federal Endangered Species list.

Particular about their habitat, Cooper's Hawks prefer to live in small patches of forest near open spaces. They are about half the size of a Red-Tail Hawk and eat a diet primarily of small birds.

From the time the hawks were discovered and until they left the nest at the beginning of July, Fermilab kept a watchful eye on their progress. "Early on, we received advice and input from the Illinois Endangered Species Protection Board," said Rod. "We figured out that we could modify our construction activities for a short time to allow the hawks to nest successfully. We definitely learned a lot."

SITE ACCESS CHANGE

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those who wish to visit the Laboratory on Monday - Friday evenings from 6:30 p.m. until 8 p.m. and on weekends from 6 a.m. to 8 p.m. Visitors can obtain the passes from the guards at the Batavia and Pine Street gates.

COMMUTER CONCERNS

"In response to commuter concerns, we are working closely with Kane and DuPage County officials and with the Illinois Department of Transportation to bring Fermilab's help and influence to bear in the improvement of commuter routes around our site," said Director John Peoples. "We are working with transportation officials on a variety of measures, from installation

of a left-turn lane on Kirk Road at Pine Street to examining the feasibility of new routes along the Fermilab perimeter," said John.

POSITIVE RESPONSE

During the first week of the access change, many of the Laboratory's recreational users have applauded the change. Two families who regularly visit the site on Saturdays and Sundays to hike or bike commented that they feel much safer because of the reduced traffic. A retired couple who frequently visit the buffalo farm with their grandchildren said their last visit was far more pleasant without "all the cars whizzing past."

WORKING HARD TO MAKE CHANGE WORK

"When there is change, there is going to be some grumbling, but the majority of people have been cooperative and are turning around when asked," said CHARLES PARSONS, Batavia Gate Control Officer. DALE ROBERTSON, also at the Batavia Street entrance, said that the guards were trying as hard as they could to make the change work smoothly.

FRANK LAROCCO, control officer at the Pine Street gate, said that employees could help by slowing down as they approach the gates and by properly placing their vehicle stickers in the lower left hand portion of their front windshields. ■

People & Events

LIVE VIA SATELLITE!

Live and in the clear, C-Band Satellite TELSTAR 30Z, 35° West @Video Receiver Frequency 3760MHz will be a discussion on "Advanced Heat Exchanger Technology" on 6/14/95 @ 10 a.m. to 2 p.m. CST—Notice of a real-time technical conference, accessible by downlink from a satellite.

Beginning in the spring of 1995, members of the Fermilab community have seen live press conferences, attended training sessions and heard expert talks from locations across the country, without leaving the Laboratory site. The Research Division's Cable Television Group, in collaboration with Visual Media Services staff, have installed and commissioned a satellite downlink system that gives Fermilab viewers access to live events that are electronically "uplinked" to commercial satellites in fixed positions above the earth.

For example, organizers of a conference on computer aided design might buy time on a satellite that distributes the proceedings to downlink sites around the country. Fermilab staff could then aim the Laboratory's satellite dish according to published coordinates to receive the signal and downlink the conference to locations on the Fermilab site.

Increasing numbers of conferences, training sessions, even special interest networking groups, buy satellite time to make their proceedings available in real time to remote locations. Typically, there is no fee for the downlink, although some commercial presentations do require payment.

FRED ULLRICH, manager of Visual Media Services, estimates the cost of installation and commissioning at about \$6,000. "For the cost of sending three people to a conference on the West Coast, we now have the capability of providing access to scores of conferences to the Fermilab community each year," he said.

Those who are interested in using the downlink capability should call JIM SHULTZ, the Fermilab staff member who coordinates this service. Jim will arrange for distribution of approved satellite "narrowcasts," as such programs are called in contrast to commercial broadcasts. Many Wilson Hall conference rooms have the electronic capability to display downlinked programs. "The foresight of JIM ENGELBRECHT and his group in equipping our conference rooms long before we had the satellite capability gives us this opportunity today," says Fred.

ARTS SERIES PRESENTS

FOLK SHOWCASE

Liz Carroll, Irish Fiddle with Larry Nugent, Flute & Jim Dewan, Guitar
Lui Collins, Singer/Songwriter
David Massengill, Singer/Songwriter
Saturday, September 23, 1995, \$12

Liz Carroll returns by popular demand after last year's guest appearance with Altan. A Chicago native, Liz has been playing fiddle since she was 9 years old, winning the All-Ireland Fiddle Championships (both junior and senior Divisions), at ages 17 and 18. Appearances include the National Folk Fest at Wolf Trap, World's Fair in Knoxville, Tennessee, and a guest performance at Yehudi Menuhin's First Violin Conference in 1988. She will be performing with Larry Nugent, flute and Jim Dewan, guitar.

Dubbed "*Folksinger For Our Times*" by the Boston Herald, Lui Collins brings a unique grace and presence to the stage that stems from her love for music, her rich and full family and community life, and her broad performance experience (from classical orchestras to marching bands to bagpipe bands). Her warm, direct and powerful sound has been declared "inspirational" by fellow musicians. She has released albums on *Philo*, *Green Linnet*, and now her own independent label, *Molly Gamblin Music*. Her most recent album, *North of Mars*, is for children.

"One of the most talented young singer-songwriters...David Massengill is a respected cult figure whose songs are serious and idiosyncratic and whose writing is ambitiously allegorical."—*New York Times*. Born in Tennessee, Massengill has long been a leading light

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Correction

Our apologies to TOM DEVLIN of the CDF collaboration. In the last issue of *FermiNews* we incorrectly stated that Tom was a member of the DZero collaboration.

MOVIE SCHEDULE

The Fermilab International Film Society presents movies from all over the world. Movies are shown at 8 p.m. Fridays in Ramsey Auditorium. All foreign films have English subtitles. Admission is \$4 for adults. Call x8000 for more information.

■ Aug. 11 *Clockwork Orange*
Kubrick's vivid adaption of Anthony Burgess' novel offers a potent look at a society in the not so distant future. Malcolm McDowell is superb as a prime misfit. Stanley Kubrick, dir., UK, 1971.

ARTS SERIES

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of the New York folk scene. He has appeared regularly at Folk City and was featured in their 25th Anniversary Special on PBS and the BBC. Performances include the Newport Folk Festival, Carnegie Hall and Kennedy Center. His songs have been recorded by Joan Baez, Nancy Griffith and The Roches. His debut album, *Coming Up For Air*, was just released on the Flying Fish label.

Harper's Index

Weight, in pounds, of a "Big Boy" statue stolen from a Toledo outlet of the Big Boy chain last March:
300

Number of days later that its parts were found strewn across the city accompanied by notes reading "Big Boy is dead":
2

TENNIS LEAGUE CROWNS FIRST ROUND WINNERS

The first round of the summer singles tennis league attracted 22 players. They were divided into three groups according to level, and played each other for five weeks. At the end, their rank was adjusted according to the number of games won. In the top group, YASUO FUKUI (RD) maintained his number one ranking by winning two games out of two. LUC DEMORTIER (CDF)

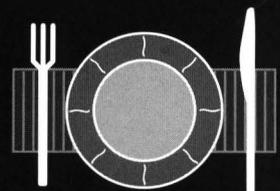
reached the top position in the middle group by winning five games out of five. In the third group, IVAN DIMITRIJEVIC (FESS) became number one, also by winning five games out of five. The second round of the league is now in full swing. For more information on the tennis league, contact Luc at x3489.—*Luc Demortier*

Congratulations

To Nicole Jordan and DAVID HERRUP (AD) on the adoption of their daughter Rachel Ming Herrup. Rachel was adopted in Hefei, China on June 21, 1995.

Chez Léon Menu

Lunch (Wed) \$8.00 • Dinner (Thurs) \$20.00
Reservations: x4512



Wednesday, August 9 • Pecan chicken salad, potato Fonseca, melon and berries

Thursday, August 10 • Melon and prosciutto, beef tenderloin w/balsamic vinegar sauce, roasted potatoes w/garlic, vegetable of the season, marzipan cake w/ chocolate sauce

Wednesday, August 16 • Pasta primavera, biscuit Tortoni w/cookies

Thursday, August 17 • Spinach, mushroom & bacon salad; lobster tail w/mousseline sauce; lemon parsleyed rice; fresh fruit tarts

Wednesday, August 23 • Grilled chicken & vegetables w/pasta; fresh fruit cup w/biscuits

Thursday, August 24 • Booked

CLASSIFIEDS

■ VEHICLES

1991 Ford Mustang 5.0, emerald green, 5 sp., full 2.5" exhaust incld. Mac headers, 3.73 gear, various perform. opts, newer BFG z-rated tires, 40k miles, excell. cond., \$9,500 o.b.o. Call x3800 or 708-665-1951.

1989 Plymouth Grand Voyager LE van, loaded, 1 owner, mint cond., 45,700 miles, \$7,900 o.b.o. Call 708-530-0661.

1986 Olds Firenza, 4 cyl., auto, air, AM/FM stereo, some rust, pwr. brk. & steer, extra low mi.: 56k, \$1,450 o.b.o. Call Lloyd at x2990.

■ MISCELLANEOUS

King-size sleep easy (motion reduced) waterbed w/heater & thermostat, mahogany wood w/carvings & lights,

very nice, \$350 o.b.o. Call 708-978-9457.

Guitar amp, Peavy VTM-120 half stack, excell. cond., \$600 o.b.o.; TV cart, solid oak, light color, 16" x 26" x 25", \$60 o.b.o. Call Ron at x4663.

Men's golf clubs, Northwestern starter set, incld. 3-5-7-9 irons, 1-3 woods, putter, bag, \$65 o.b.o. Call Steve after 6 p.m. at 708-961-0006.

Window air conditioner, 12,000 BTUs, used 1 season, energy efficient, \$300 o.b.o. Call Gary at 708-466-7155.

Lawn mower, 22 in. width, 4.5 HP, B.S. engine, \$35. Call Lee at x8236 or 708-897-8643.

Vintage Tektronics 551 oscilloscope complete w/power supply, cart & vari-

ous plug-ins, \$40. Call Bob at x2574.

Trailer hitch receiver for Ford Taurus/Mercury Sable, \$35; Tires (2) P155-80R13 (Sears Response) on Mazda 323/Mercury Tracer wheels, like new, \$30 pair; Tires (2) Michelin XAS P175-70R13, still good tread, \$8 pair; Motorola cellular bag phone, like new, \$20. Call Ken at x2083 or 708-985-3188.

■ REAL ESTATE

Co-op student to begin work at Lab in late August seeks housing (e.g., apt. to rent, share, sublet, etc.). Call Filip Rysanek at 217-344-9342.

12 min. from Lab, 2 BR apt. w/large kitchen in completely renovated historic house, now a 2 flat, owner occupied, \$625/mo. Call 708-876-9000 or 708-231-0052.

PROMOTIONS

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Jim Patrick, a member of the CDF Collaboration, led early CDF Data Acquisition Systems upgrades. He is currently working on plans for further DAQ upgrades for Run II. Jim joined the Lab in 1982.

Robert L. Wagner is head of the VTX project and has played a principle role in CDF tracking. Bob is also taking an active role in the planning for a Central Tracking Chamber replacement at CDF. ■

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Fermi National Accelerator Laboratory*

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FNAL ON WWW

Fermilab's World Wide Web home page has recently added links to announce the Art Series, concerts and other cultural events held at the Lab.

The URL for the Fermilab home page is <http://www.fnal.gov>

The deadline for the
Fri., August 18, 1995
issue is Wed., Aug. 9.
Please send your article
submissions or ideas to
the Publications Office.

