

Fermi news

FERMI NATIONAL ACCELERATOR LABORATORY

Peoples to Head Supercollider Termination Phase

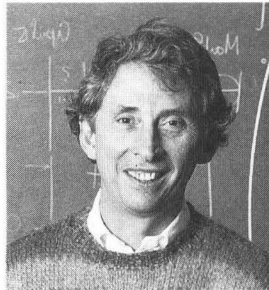
WASHINGTON, D.C. - The Universities Research Association (URA) announced the appointment, effective November 12, of **John Peoples** as director of the Superconducting Super Collider in Texas during the termination phase. He will replace Roy F. Schwitters, who had asked to be relieved of his responsibilities as director.

John will retain his present title as director of Fermilab. During the intensive work on SSC termination, however, John will concentrate most of his efforts at the SSC and will delegate day-to-day management of Fermilab to Deputy Director **Ken Stanfield**.

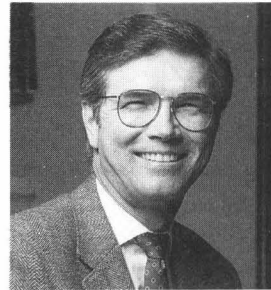
URA President John Toll explained: "Dr. Peoples was asked to lead the termination of the SSC Laboratory because he is familiar with the SSC Project and is well qualified to work with the Department of Energy to assure its orderly termination. He is an exceptionally able manager who has the confidence of the scientific and technical communities. Special efforts will be made to assist the SSC Laboratory staff in relocating to positions where they can best continue to contribute to the nation."

Dr. John Marburger, President of the State University of New York at Stony Brook and Chairman of the URA Board of Trustees, underscored the value of John's heading the corporation's SSC-related activities during the transition phase. "John Peoples has demonstrated, not only in his leadership of Fermilab but also in his productive interactions with the SSC throughout its lifetime, that he has the talent and knowledge necessary to handle the challenging tasks ahead. The correlations between Fermilab's and the SSC's missions and technologies, as well as the administrative structure of URA, also mean that John has unique insight on how best to manage the transition into a new era for high-energy proton physics. We have great confidence in him and we have let him know that he has the full backing of the Trustees."

John's selection also has strong support from Secretary of Energy Hazel R. O'Leary, who said, "Dr. Peoples will bring a combination of management



John Peoples



Ken Stanfield

expertise and scientific insight that will be valuable as the SSC enters the challenging phase of orderly termination."

Physicists receive promotions

At the October 8 meeting of the Fermilab Board of Overseers, 10 Fermilab physicists received promotions. "I am delighted by these actions, which I strongly supported," said Director **John Peoples**.

Mike Church was appointed to Scientist I "in recognition of the many contributions he has made to our achievement of record Antiproton Source and Collider performance," said John. A member of the Accelerator Division, Mike joined the Lab as a Research Associate in the Physics Section in 1986. During that time he worked on E760 and related Antiproton Source activities. In 1990 he was appointed an Associate Scientist in Accelerator Division Antiproton Source and he served as deputy department head from October 1991 until December 1992. In August of 1992, Mike was named Collider run coordinator for his division and in January 1993 he became head of the Antiproton Source.

Stu Fuess was promoted to Scientist I. "It recognizes the many contributions Stu has made to DØ in the areas of software and management. I am also pleased to note his recent appointment as head of the DØ Software Support Group," said John. Stu came to
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submissions or ideas to
the Publications Office.

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Department of Energy.



Promotions continued

Fermilab in 1981 as a research associate on neutrino experiment E594. On this experiment he concentrated on studies of neutral current interactions. He then joined Massachusetts Institute of Technology as a research scientist, continuing with neutrino physics and participating in detector construction for the SLD Experiment at the Stanford Linear Accelerator (SLAC). Stu joined the DØ experiment in 1988, participating in the development of the online monitoring and controls systems. He is currently head of the Computing Group at DØ.

Steve Gourlay was named Scientist I “in recognition of his crucial leadership on the low-beta quadrupole systems, which were essential to our recent record Collider performance,” said John. Steve came to Fermilab in 1980 as a graduate student working on E663, a study of lambda and lambda-bar polarization. In 1985 he was hired as a postdoc and participated in the design and construction of E687, a charm production experiment in the Wide Band Lab. In 1988, he joined the Fermilab staff as an associate scientist and was appointed project physicist for the Low-Beta Magnet Project. After completion of this project in 1991, he turned to detector design and construction and joined the SDC collaboration at Fermilab as manager of the Detector and Accelerator Component R&D Group. “Steve’s leadership in the current work on the SDC calorimeter should be noted,” said John. Steve continued his participation in E687 and is now project manager of the E831 hadron calorimeter upgrade, a follow-on to E687. “In my spare time I teach introductory-level physics at the College of DuPage,” said Steve.

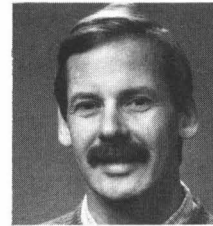
Andreas Kronfeld was appointed Scientist I. Andreas’ main research interest is in non-perturbative QCD, using lattice gauge theory as the theoretical tool. While at Fermilab, Andreas has focused on several applications of lattice QCD to heavy quark physics. He has also participated in a collaboration between the Computer R&D Department and the Theory Department to construct a parallel supercomputer, ACPMAPs, especially designed for calculations in lattice QCD. “Andreas’ major role in Fermilab’s lattice gauge work is recognized in the field,

as are his activities in related theory and computing techniques,” said John. Andreas joined the Lab in 1988 as a postdoc. In 1989 he was appointed as an associate scientist. Prior to coming to Fermilab, he completed postdoctoral work at DESY in Germany. Aside from his research, Andreas has served as an organizer for the Theoretical Physics Seminars—a task that he shared with Joe Lykken from 1989 until 1991.

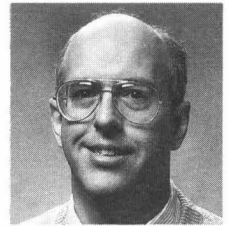
Byron Lundberg was promoted to Applied Scientist I. “Byron’s expertise in many of the techniques used in particle physics, such as silicon detectors, is well recognized in the field,” said John. Upon joining the Lab in 1987, Byron worked on E653. In 1990 he joined E791, a charmed particle experiment. More recently, he has become interested in neutrino physics and is directly involved in experimental proposals 803 and 872 which address this issue. Byron is currently part of the Silicon Detector Facilities Group which is helping design and fabricate the silicon vertex detector upgrades for both CDF and DØ.

Joe Lykken was named a Scientist I in the Theoretical Physics Department. He joined the Theory Department in 1989 as an associate scientist. In his four years at the Lab, Joe has completed a number of research projects in the more formal areas of particle theory. These have included applying superstring theory to understand the origin of fermion masses and to exploring the mysteries of black holes; constructing matrix models as a way of studying nonperturbative string physics and applying field theory methods to understand high-temperature superconductors. “Joe’s contributions in formal areas of particle theory are well recognized in our field,” said John.

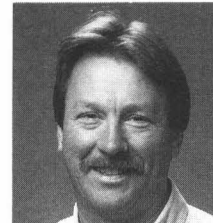
Kaori Maeshima was promoted to Scientist I. She joined the Lab in 1990 as an associate scientist with the Research Division Online/Data Acquisition Group of the CDF Department. Her principal responsibilities were data acquisition software and the “expressline” which processed the interesting physics events for monitors and prompt analysis. “We have been impressed by Kaori’s contributions to CDF in many areas, especially in the very successful use of the expressline to allow for rapid physics results.



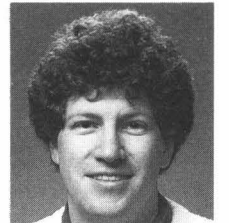
M. Church



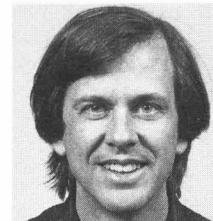
S. Fuess



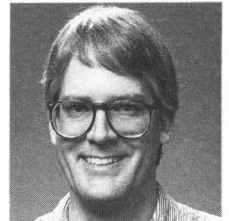
S. Gourlay



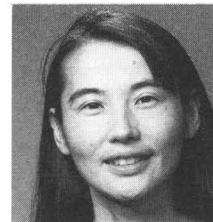
A. Kronfeld



B. Lundberg



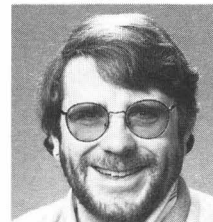
J. Lykken



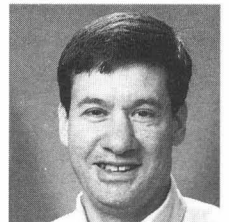
K. Maeshima



W. Merritt



R. Plunkett



L. Spiegel

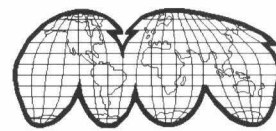
In addition, I know that she has been active in CDF physics analysis herself,” said John. Kaori’s research interests at CDF have been focused on exotic particle searches, dilepton studies and the search for the top quark. Prior to joining Fermilab, she worked on NA14 for two years as a CERN Fellow.

Wyatt Merritt was promoted to Scientist I. “Wyatt has made many contributions to the DØ software systems over the past years, and her own physics research on the

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F E S S . . . U P



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From the section office...

More on measurement...

Beginning in January 1994, each functional group within FESS will begin measuring parameters that are important internally as well as important to our customers.

To assist us in getting a clear understanding of what is important to our customer base, we will be circulating a Customer Service Assessment form that we would like to have each recipient fill out and return to us. The results of this assessment will focus our attention on what is important to you.

We invite our customers to stop by and look at our "FESS-UP" bulletin boards on WH5E where we will display our results monthly.—*David Nevin, deputy head/FESS*



Main Injector update... In progress...

Bids for construction of a major portion of the tunnel enclosure are due in early December.

Design of the Main Injector Service Buildings is 90% complete.

1. Pre-winter roof drain/gutter cleaning on all buildings.
2. Installation of roof drains on Main Ring Service Buildings.
3. The Industrial Cooling Water System for fire protection and cooling water (not for drinking) will be flushed over the next several weeks. An overall program has been designed to attain flow velocities that will flush out debris and aquatic life. This is an extensive project that includes ICW equipment and system upgrades and repairs. This project will maintain system reliability and improve flow conditions in this water distribution system.

Better for you...

All overhead doors on site have been labeled with an alpha/numeric designator. Pertinent information relating to each door has been gathered by the present repair contractor. When a building manager calls in a repair for a door, the contractor will know what type and size of parts to bring out when responding to the call. For overhead door service call work orders, please call Don Rapovich at x3302, pager 0812.

At your service...

The Time and Material Coordination Group (T&M) maintains a subcontractor workforce available on site to complete unanticipated and urgent work requirements at the Lab.

The subcontractors are hired through a competitive bidding process and perform services in a variety of professional areas including electrical, rigging, general construction, pipe fitting, heating and cooling, insulating, concrete cutting and gravel delivery.

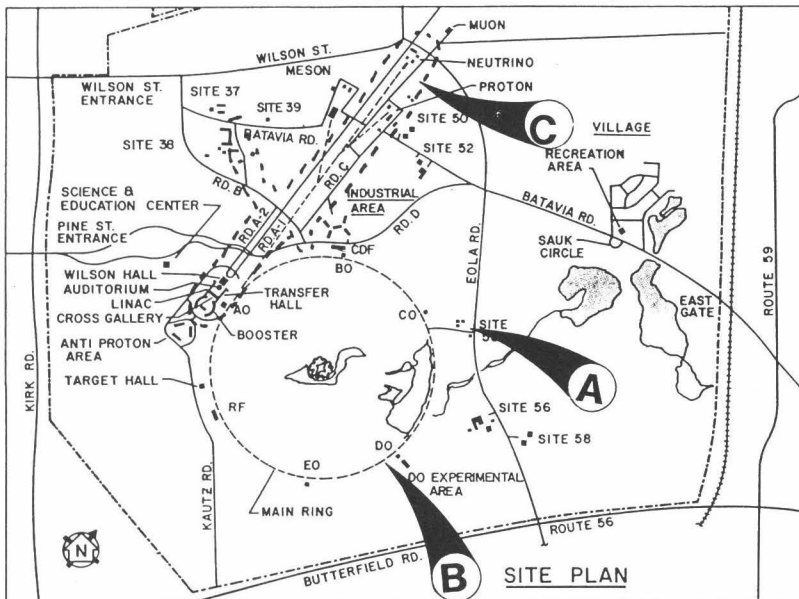
To request services from the group a T&M task order requisition must be completed. The forms are available in the Stockroom. For assistance in filling out the form or to answer any questions about the T&M Group, please call the office at x3492. The T&M Office is located at Site 50 and is currently staffed by Project Supervisor and Manager John Kedzierski, a secretary and a clerk. Give them a call for fast, friendly and professional help.

On the drawing board...

Final touches are being applied to the bid documents for the Industrial Building 2 addition.

FESS November projects update

Fermilab Facility Facts: The FESS Operations and Maintenance (O&M) Group annually schedules 11,255 preventive maintenance inspections on various equipment throughout the Fermilab site. This includes maintenance, electrical and HVAC equipment for buildings, processes and utility operations.



- A. The relocation of the Road E Main Ring crossing is nearly complete. All that remains is some shoulder work and seeding.
- B. The new parking lots are now available south of the DØ Assembly Building. For your safety and our snow-plowing convenience, please park in these lots instead of along Swenson Farm Road.
- C. ICW and fire protection line flushing at various locations through November into December.

Wilson Hall lighting survey poll results...

The WH5E lighting survey is complete and the results are in. Four questions ranging from the choice of lamp colors to preferences in lighting choices were asked. Here are the results:

1. 70% preferred the cool white lamp, 30% preferred the warmer lamp.
2. 43% favored the mirrored reflectors with the cool white lamps, 26% favored the softer subdued lighting effects of the indirect lighting with its warm white lamps and 31% were split over the variety of fixture configurations. (It's important to note that a few individuals who occupy office spaces across the Atrium and on 6W raised concerns about glare from the indirect lighting. When they looked downward, they observed a glare from the inverted fixtures.)
3. 33% favored working at lower lighting levels, 42% preferred working in an environment where the levels were lighter-than-normal and 25% preferred average lighting levels. (Of special significance, 80% of the respondents agreed to accepting lower lighting levels to save energy.)

FESS Engineering & Planning wishes to thank all those individuals who took the time to help us with their opinions and comments.

—Ed Morlan, *E&P/ Electrical*.

Promotions continued

search for leptoquarks is a valuable contribution to our field," said John. Wyatt came to Fermilab in 1973 as a summer student and has worked at Fermilab ever since. She became a Lab employee in 1982 as a postdoc on E744, a fixed-target neutrino experiment. On that experiment she worked on the construction of the drift chamber system. In 1986, Wyatt became an associate scientist with DØ. As part of the DØ collaboration, she has worked on software, including Monte Carlo software, online monitoring and offline analysis. Her physics project from the DØ data in Run 1a was the search for leptoquarks, these

results are soon to be submitted to *Physical Review Letters*. "I hope to continue that search, and other searches for new phenomena beyond the Standard Model, in Run 1b," said Wyatt.

Rob Plunkett was appointed Scientist I. "The breadth of Rob's contribution to CDF over the past years, in hardware, accelerator coordination, physics analysis, offline software management and operations management, has been very impressive," said John. Rob joined the Lab in 1989. His principal research activities have been in the study of the QCD production of hadronic jets. In 1991

he was appointed to a two-year term as a convenor of the CDF QCD Physics Analysis Group. He is currently completing a measurement of the two-jet differential production cross-section, using the large CDF 1992-93 data sample. Since joining the experiment he has served as co-leader of the CDF Offline Group, with major responsibility for software and programming. In 1992, he became responsible for software for datastream creation for CDF 1992-93 data. In 1993 he became one of two operations managers for CDF. In that capacity Rob coordinates ac-

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Employees receive patents and copyrights

The Office of Research and Technology Applications hosted an awards dinner November 4 that honored eight Fermilab employees and former employees who have received patents and copyrights this year. Awards were given to **David Anderson** (RD), **William Boroski** (TS), John Goczy (Argonne), **Frank Koenen** (CD), Brian Kross (CEBAF), Ralph Niemann (Argonne), Finley Markley (retired) and William McCaw (retired).

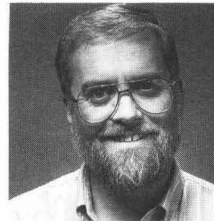
David Anderson and Brian Kross have received a patent for the discovery of a new, heavy scintillator. This scintillator is suitable for the detection of radiation and has the advantages that it is compact, fast and reasonable in price. It may be favorable for use in positron emission tomography in both medicine and industry, as well as for other radiation detection applications.

William Boroski, John Goczy and Ralph Neimann earned a patent for their development of a multilayer insulation blanket fabrication technique. The technique is an improvement over existing technology because it allows for mass production of MLI blankets that have "built-in features" includ-

ing dimensional stability, uniformity, controlled layer density, layer-to-layer registration, inter-layer cleanliness and material to accommodate thermal contraction differences. The technique also increases the cost effectiveness of producing and later installing the blankets. The technique has potential use in blankets fabricated for cryogenic devices.

Frank Koenen received a copyright registration for the development of a computer-aided-design product summary usage monitor. The purpose of this program is to monitor labwide concurrent use of a CAD program license across multiple platforms. This will ensure that the Fermilab license agreement with the CAD vendor is not violated while allowing Fermilab employees to use the program at a number of different workstations. Frank developed the monitoring system because such a system did not exist commercially.

John Goczy, Ralph Niemann, Finley



D. Anderson



F. Markley



F. Koenen

Markley and William McCaw were honored for their roles in the development of an apparatus for measuring tensile and compressive properties of solid materials at cryogenic temperatures. The newly patented system is better than existing technology because it is integrated to apply loads and measure forces and displacements at cryogenic temperatures with low heat leak to the cryogenic environment. This new technology can potentially be used in low-temperature testing machines.

All honorees received certificates of recognition and patent recipients received cash awards. **Pat Oleck**, ORTA, organized the event that was hosted by **John Venard**, manager of ORTA. Deputy Director **Ken Stanfield** and Associate Director **Bruce Chrisman** represented the Directorate.

SSC employee rights to rehire

The recent Congressional decision to terminate the SSC Laboratory will put approximately 1,400 URA employees out of work—over 100 of whom were former Fermilab employees. This development has caused concern and questions among Fermilab employees regarding former employees' rights to rehire. **Chuck Marofske**, head of Laboratory Services Sections, addresses these questions.

Q. Is there currently a hiring freeze at the Laboratory?

A. No. We took down the posted listings outside the Employment Office for about a week until our obligation to SSC employees was clear. The listing is again posted and we have a number of openings.

Q. What is our obligation to SSC employees?

A. We all work for the same corporation, so SSC employees have a right to consideration regarding employment opportunities where we have an appropriate opening.

Q. Will SSC candidates be given consideration before internal candidates for posted jobs?

A. No. But, SSC employees will have preference over candidates outside of URA.

Q. Will positions be created at Fermilab to enable URA to employ former SSC employees at Fermilab?

A. Unfortunately, I am aware of no resources to support job creation. We are concerned about people from the SSC, and, if such resources did exist, Fermilab would surely participate in a program to place SSC personnel. But, right now, we are looking at filling only posted openings.

Q. What about SSC employees who worked for many years at Fermilab. Will they have any "bumping rights?"

A. The longevity policy in the *Fermilab Personnel Policy Guide* does not allow bumping across division lines. The same policy pertains to SSC employees seeking employment at Fermilab—there would not be bump-

ing across corporate lines. This means that an SSC employee cannot take a position that is currently filled by a Fermilab employee even if he or she has more corporate seniority.

Q. If hired, how would a former SSC employee's seniority be calculated in the event of a reduction in staff at Fermilab? What is URA's longevity policy?

A. In the event of a reduction in staff, longevity is only one of the considerations; skill levels and job requirements are also considered. An employee who has unique skills that are necessary to carrying out the mission of the organization may be retained over an individual with more seniority if that employee does not have the necessary skills to carry out a specific job. All former SSC employees will carry with them their total continuous URA seniority. This means an employee who worked at Fermilab for 10 years, transferred to the SSC for three years and returned to Fermilab would have 13 years of seniority, provided that employment was continuous.

DOE issues ES&H policy

On July 20, 1993 Secretary of Energy Hazel R. O'Leary issued an Environment, Safety and Health Policy Statement following extensive collaboration with DOE, DOE contractors, labor unions and other interested parties. The new policy states that "the hallmark and highest priority of all our activities is daily excellence in the protection of the worker, the public and the environment. Fundamental to the attainment of this vision are personal commitment, mutual trust, open communications, continuous improvement and full involvement of all interested parties." This vision and its guiding principles form the basis for all future environment, safety and health decisions and actions. The following guiding principles provide the framework by which every member of the DOE community should conduct his or her job-related activities in support of this vision:

Communication: We will conduct our

activities in an atmosphere of trust and confidence that is based on open, honest and responsive communication.

Participation: We will actively encourage participation by all interested parties in our activities.

Risk identification and management: We will utilize innovative and effective approaches to risk identification and management.

Integrity and respect: We will conduct our business with integrity and mutual respect.

Systematic approach: We will apply a systematic approach to all activities that affect environment, safety and health.

Effective integration: We will effectively integrate environment, safety and health into all activities.

Resources: We will allocate appropriate resources to support environment, safety and health activities.

Improved performance: We will continue to improve our environment, safety and health performance.

Consistent approach: We will manage and conduct a consistent approach to environment, safety and health across the Department of Energy complex.

Information and resource sharing: We will encourage and promote the sharing of environment, safety and health information and resources.

Ownership and accountability: We will establish clear ownership and accountability for all activities.

Teamwork and involvement: We will promote teamwork through the involvement of interested parties.

Education and training: We will empower our employees through training, information, tools and program involvement to effectively protect themselves, the public and the environment.

DOE Expanded Core Value #3

Creativity and innovation are valued.

- We are committed to a flexible operating environment that facilitates the pursuit of new technologies, processes, programmatic approaches and ideas that challenge the status quo.
- We seek out, nurture and reward innovation in daily activities, ranging from the routine to the complex.
- Employees are empowered to pursue creative solutions.
- Resourcefulness, efficiency and effectiveness are recognized and rewarded.
- Adaptable, entrepreneurial approaches that can respond quickly to the rapidly changing world business and political environment are essential.

"Casper" the deer mysteriously appears on Fermilab site



This deer, suspected to be a European Fallow, mysteriously appeared at the Laboratory November 2. Non-native to Fermilab, this deer has not before been seen on the property, and amateur "zoologists" at the Lab cannot explain its appearance. The deer was spotted in the Village and near Site 38 before it disappeared as mysteriously as it appeared.

UEC elects new members



The Fermilab Users Executive Committee recently elected its 1993-94 committee members. The new committee is (standing, l to r): Amber Boehnlein, Thornton Murphy, David Cutts, Nicholas Hadley, Pekka Sinervo and Heidi Schellman. (Sitting, l to r): Myron Campbell, Bruce Barnett (chairperson), Catherine James (secretary), John Cumalat and Philip Yager. (Not pictured) Eugene Fisk and Sally Seidel.

Be on the alert for active deer

It is usually springtime when "love is in the air." For the Fermilab deer community, however, that time is now.

The fall is typically deer mating season, or rut, and at this time, deer on site are very active and frequently bound through the Fermilab property. It is important, for their sake and yours, to be careful when driving through the Lab to avoid accidentally hitting a deer.

To help avoid an accident, watch ahead for deer while you are driving. If you see a deer cross the road or move from the roadside, be alert for another one. Deer often travel in groups of two, three or a dozen. When you see a deer, slow down at once to avoid crashing into a second deer while you are watching the first one. Blink your headlights or toot your horn to scare the deer.

A driver who sees a deer on the road

should stop. Attempting to dodge a deer at any speed is risky, even if you are able to maintain control of the car. The deer may suddenly bound ahead of the car or run a zigzag course all over the road. Also avoid tailgating another motorist. If the vehicle ahead has to stop suddenly, so do you!

Many vehicle-deer collisions occur within the first two hours after sunset. When leaving the site at night look ahead and to the side of the road for shining eyes. These can be seen long before you spot the animal.

If you do hit a deer on site:

- Call Security at x3414 and report the accident.
- In vehicle-deer accidents, the animal is frequently killed. The motorist may legally keep the deer, but only if a security report is obtained.

Are you street wise?

Do you know how to protect yourself from possible harm on the street or even in your own home? Many Fermilab employees wanting to know the answer to this question attended a recent seminar sponsored by the Wellness Works Committee. The seminar, *Street Wise—Street Safe* was presented by Cathy Rigoni of Mutual Ground, a social service agency serving victims of domestic violence and sexual assault, and Michael Harkins, an Aurora police officer. The two instructed attendees on how to be safe in daily life and protect themselves from burglary, robbery, rape and assault.

There are three basic rules to keep safe on the street, said Harkins. "You need to stay alert and know your surroundings, stand tall and walk confidently and trust your instincts."

When walking outside, added Harkins, people should be aware of who and what is nearby. Just knowing where you are and who is there can help you avoid a dangerous situation.

Harkins and Rigoni said that walking with confidence can also be a key in safety. If a suspicious character is approaching you on the street, don't look down to the ground, Harkins said, look them in the eye and project a sense of confidence. Rigoni added if someone tries to subdue you, try to push yourself far away from that person while screaming loudly.

If a situation or place doesn't "feel right," trust your instincts and leave that area, said Rigoni. "If you have a feeling someone is watching or following you when you come out of a shopping mall, go back in and call security and have them walk you to your car." There is no reason to take a chance, she added.

At home there are also precautions you can take to avoid a burglary or break-in. Two simple precautions are to use dead bolt locks and a timer for your lights. This might trick the attacker into believing someone is home.

There are many precautions you can take to protect yourself, said Harkins, but a good place to start is to simply use your common sense and stay alert to your surroundings.

Benefit notes

Don't forget

Enrollment forms are due by November 24, 1993 if you are going to participate in the Flexible Spending Accounts. On the enrollment application you must indicate how much you want to contribute in 1994 to one or both accounts (Health Care Reimbursement Account and Dependent Care Reimbursement Account). If you were enrolled in the plan in 1993 and want to participate again in 1994, you must re-enroll. There is no carry-over from one year to the next. Completed applications should be mailed to the Benefits Office, MS 124.

The Director's Office presents

Homage to Eve and the Serpent: Science Advising from Genesis to Tomorrow, William T. Golden, Monday, November 22 at 8 p.m., Ramsey Auditorium.

Homage to Eve and the Serpent examines the interweaving of science and technology within the entire fabric of our governmental policies, international relations and the everyday lives of our fellow citizens. William T. Golden has long been an ardent supporter of science and technology. Currently in investment banking, he also serves as the Chairperson of the American Museum of Natural History in New York, Treasurer of AAAS and Co-chairperson of the Carnegie Commission on Science, Technology and Government. His distinguished career also includes work with NASA and work with numerous universities. He was involved in the creation of the National Science Foundation in the early 50s.

Homage to Eve and the Serpent is hosted by the Director's Office and is free and open to the public. No tickets are needed.

For your health

The Heartland Blood Center's blood drive will take place on Monday, December 6 from 9 a.m. to 2 p.m. at the Users' Center. Please mark it on your calendar and give if possible.

Arts Series

Meet Einstein the man...the original absent-minded professor, confused and troubled father, ardent pacifist, philosopher and humorist in Ed Metzger's brilliant portrayal of the man, not the monument, on Saturday, December 4 at 8 p.m. in Ramsey Auditorium.

Many know of Einstein the genius, the man whose revolutionary theories have boggled the minds of the greatest scientists. But few know of Einstein the man—warm, sensitive and funny. Since 1978 Ed Metzger has brought the human side of Einstein to audiences in his one-man show, *Einstein: The Practical Bohemian*, winning rave reviews from coast to coast.

The Los Angeles Herald Examiner said, "Metzger performs with unusual tenderness and delicacy. It is a lovely tour de force." Clad in a rumpled gray suit over an incorrectly buttoned cardigan sweater, with a shock of graying frizz, Metzger becomes Einstein. He brings Einstein's absent mindedness (he once had to ask a neighbor for directions to his house), his passion for vanilla ice cream, his twinkling humor, his Jewish consciousness and his persistent protest against war to the stage.

Metzger, a veteran actor for 25 years, has appeared on Broadway, in films and many television shows including *St. Elsewhere* and *Hill Street Blues*.

Meet Einstein on December 4 at 8 p.m. Tickets are \$10. Call xARTS for reservations.

The way we were

On November 26, 1969, the village board of Weston, Illinois voted to dissolve their community to pave the way for Fermilab. Their actions that night made the creation of the world's highest energy particle accelerator possible.

Harper's Index

Number of hamburgers called for in White Castle's recipe for turkey stuffing: 10.

Percentage of the world's cranberries that are grown in Massachusetts: 42.

Nalwo events

Guest Office Thanksgiving feast

The Guest Office is sponsoring a Thanksgiving dinner in the Users' Center for visitors to the Laboratory on Monday evening, November 22 beginning about 5:30 p.m. Typical Thanksgiving fare of roast turkeys and dressing, sweet potatoes, cranberries, corn and pumpkin and pecan pies is graciously provided by the Guest Office. Families and guests who can conveniently do so are asked to bring a vegetable or salad or other dish that serves 12. If it is not possible for you to contribute a dish, please come anyway. You must call Brenda Kirk at x3440 to register or for additional information. Learn about Thanksgiving, and enjoy this U.S. holiday and its traditional food!

Nalwo holiday events

Roni Bar-Youssef will present a workshop at the upcoming Fermilab International Folk Dancers' meeting on December 2 at 7:30 p.m. in the Village Barn. Bar-Youssef is a professional dancer and a graduate of the Isreali Folk Dance Academy. He will be teaching easy dances. The event is open to everyone. Cost of the evening is a \$1 donation.

Shopping expeditions

Nalwo invites you to join our annual shopping expedition to downtown Chicago. See the decorations and stores on Michigan Avenue. A bus leaves the Users' Center at 9 a.m. on Friday, December 3, and returns there about 3 p.m. Adults contribute \$2 towards bus fare; children are welcome free. Lunch is on your own. Browse and/or buy in elegant Chicago!

Movie schedule announced

The Fermilab International Film Society presents movies from all over the world. Movies are shown at 8 p.m. Fridays in Ramsey Auditorium. Admission is \$3 for adults, \$.50 for children 12 and under.

December 3: *Animated Myths*. Fables, allegories and creation stories from all over the world are retold in this imaginative series of animated shorts. From the Chicago Filmmakers collection. (104 min.)



Associate Director Bruce Chrisman presented 10-year service awards to 48 Fermilab employees at a luncheon held September 17, 1993 at Chez Leon. The recipients were: (Row 1, l to r) Danny L. Massengill, Robert Sanders, John Zweibohmer, Laura Vanags, John Nowak, Denny Farnum, David Berg and Jorge Hernandez. (Row 2, l to r) Bob Gatzke, Ken Koch, Gary Drake, Don Husby, Jim Hawtree, Rick Zifko and Tom Barnes. (Row 3, l to r) Paul LeBrun, Gerry Bresnahan, Arthur Kreymer, Tim May, Jean Guyer, Ron Wagner, Evelyn Hall, Bernie Wisner and Dervin Allen. (Row 4, l to r) Bruce Chrisman, Ron Cypret, Roy Parker, Dave McDowell, Michael Crisler, Owen Payne and Jim Budlong. (Row 5, l to r) Julian Plymale, Walter Stuermer, Richard Kwarciany and Jeff Arthur. (Not pictured) Scott Borton, John Cornele, Edward Dambik, Larry Deroo, Geriann Goeransson, Dick Killian, Edward Kolb, John Krider, Michael Lamm, Joseph Leo, Hugh Montgomery, Stephen Parke, Ardath Randle and Sylvia Wilson.

Mentors needed for TRAC teacher

If you are able to provide a challenging scientific or engineering work experience to an outstanding science or mathematics teacher, the Fermilab Education Office wants to hear from you!

Mentors are needed for teachers participating in the Department of Energy Teacher Research Associates Program (TRAC). The program is designed to give teachers the opportunity to experience scientific research firsthand.

If you would like to be a mentor contact **Kris Ciesemier**, Education Office, WH15W, x3092. Teacher applications are available

for review now through December 8. Teachers seeking positions have a variety of areas

Participation in this program has been most rewarding. The potential benefits need to be advertised. Not only are these teachers a great resource, but the infusion of enthusiasm and new thoughts are infectious. Add to this the experience and hopefully renewed enthusiasm that will be carried back to their classrooms, and you have an unbeatable combination.—Ed Crumpley, FESS, mentor for a TRAC teacher who created, installed and de-bugged a computer program written to automate transfer of information.

of expertise including physics, computer science, material science, mathematics, electronics, chemistry and industrial technology.

Pierce stars in local play

Resident thespian **Rick Pierce** (RD/Instrum.) takes the stage again this December as Bob Cratchet in the Albright Theater Company's production of *A Christmas Carol*. Performances will be shown each Friday and Saturday night at 8 p.m. from December 3 to December 18. A Sunday matinee will be shown at 2 p.m. on December 12.

This is the third play that Rick has acted in with the Albright Theater Company. Last December he starred as Artie in *The House of Blue Leaves* and as Virg in Albright's production of *Bus Stop* in March of this year. The Albright Theater is located at 101 N. Island Avenue in Batavia. Watch for Rick next spring as he plays an Irish thug in the movie *Glass Chain*, a movie filmed entirely in the Fox Valley area.

Nalrec news

Don't forget the Caribbean Turkey Night party tonight at 5:30 until 10 p.m. in the Village Barn. There will be live Reggae music and Caribbean jerk chicken, Caribbean rice and tropical salad for dinner at \$2.50 a plate. One hundred turkeys will also be raffled. Contact your Nalrec representative for raffle tickets.

Appointments are for eight weeks and teachers receive a stipend of \$550 per week plus housing and travel allowances at no cost to the mentor's budget. In light of current financial constraints, a TRAC teacher can be a valuable asset.

If you have a project in mind, but are unsure about the program, Kris can put you in contact with other people at the Lab who have served as mentors and are willing to share their experiences.

Drafts will take place December 10, with 27 DOE facilities competing to place 350 out of 715 national teacher applicants. Fermilab is hoping to place 20 teachers.

New dosimeter procedure

In addition to the standard badge-type TLD dosimeters, many radiation workers at Fermilab are also required to wear self-reading pocket dosimeters to monitor their exposure in selected radiation areas. The pocket dosimeter serves three purposes. 1) The wearer can determine on the spot if a large or significant dose has been received without waiting for a TLD badge to be processed. In this way, doses can be kept as low as reasonably achievable throughout the badge wear period. 2) An unexpected dose might indicate the presence of an unanticipated radiation hazard or the need for a revised work procedure. 3) If a TLD badge should be lost, the pocket dosimeter provides a record of the wearer's exposure and should be used in completing an exposure investigation.

Pocket dosimeters can be obtained from the Stockroom and are exchanged there when they are due for calibration. Until now, they have been calibrated every six months, twice as often as required by the applicable standard. In order to allow for better utilization of scarce human resources involved in both the calibration and exchange process, the dosimeters will only be calibrated once a year, effective November 1, 1993. Based on past experience, no significant degradation of dosimeter performance is anticipated.

Dosimeters which are currently in use should not be returned for calibration until the month indicated on the dosimeter. As with all Fermilab radiation detection instruments, the month indicated on the "Calibration Check Required" sticker refers to the month at the end of which the calibration expires. Thus, if a dosimeter is due for calibration in November, it should be returned during that month. When turned in for calibration, the dosimeter must bear a sticker with the name, area, ID number and budget code of the person using it. These stickers should be placed over the calibration label.

Stockroom personnel will continue to issue their current supply of dosimeters with the six-month calibration frequency until their supply is exhausted. Thus, all dosimeters should have a one-year calibration date within six months.—*Dave Boehnlein, ES&H Section*

Classified ads

Vehicles

1985 Oldsmobile Regency Brougham. Last of its breed, comfortable ride, well kept interior, new exhaust, AM/FM/cassette, \$1,250 o.b.o. Call Jean at x3278 or 708-820-2058.

1985 Plymouth Voyager LE, 9 month engine warranty, excellent condition, V4, cruise control, power windows, auto defrost, AM/FM/cassette, \$3,200 o.b.o. Call Lucia or Vitor at 708-840-4237.

1980 Volvo Station Wagon 245-DL, brown, some rust, 5 spd. man., runs well, AM/FM radio, clock, trip odometer, ~25 mpg, 168K miles, 1 owner, never in an accident, current IL. emissions sticker, new front brakes, \$1,250 firm. Call Sandra at 708-393-4521 & leave message.

1980 VW Rabbit (diesel). 4 door, basic transportation, good student car, \$200. Contact Darien at x8485 or 312-408-1479.

1970 Cadillac Sedan DeVille, gold, 51k orig. miles, needs minor rust repair on rocker panels. In excellent condition otherwise & has been winterized for immediate driving. Call x3598.

Miscellaneous

Found: 1 pair prescribed women's lenses

in motor pool vehicle. Call Loretta at x3307.

Wells Cargo deluxe trailer, 5'x8', new tires, spare, \$1,000. Call x3011.

Transportation needed for a visually impaired person w/excellent mobility & no dog between Naperville (Washington St. at 75th St.) & the Industrial Center Building morning &/or afternoons. Call George Villa at x2899 or 708-416-3875. Will share expenses.

Queen size waterbed, waveless w/tubes to provide more control over firmness. Does not need a heater, top mattress traps heat for warmth. No hard edges, looks like a regular bed, 10 year warranty. Had for just over a year, \$800 o.b.o. Call Vijay at x2545.

Sears Kenmore laundry center (stacked washer/dryer), excellent condition, \$400 o.b.o. Call x2312 or 708-820-6876.

Sega Master System. 4 different attachments, 2 control pads, rapid fire control stick, 3D glasses, light phaser gun & 13 video games, \$225. Call 708-552-1320.

Real estate

House for rent in Naperville, 4 br, 2 bath, 2 car garage, all appliances, no pets, avail. Nov. 15., 1 month sec. dep., \$1,225/month. Call after 6 p.m. 708-355-5202 or x4271.

Promotions continued

tivities of the collaboration that impact data taking, detector readiness and data quality. Aside from his responsibilities to CDF, Rob also worked on the Fermilab shielding upgrade and serves on the Publications Advisory Board.

Lenny Spiegel was promoted to Scientist I. Lenny joined the Lab in 1988 as an associate scientist, but his association with Fermilab actually dates back to 1980 when he came here as a graduate student. Lenny's first major project as a Lab employee was to oversee the upgrade of the Proton West secondary beamline to a primary line for E771. He also served as the Research Division liaison for the experiment. "I have been im-

pressed by the many different contributions Lenny has made to E705 and E771, including hardware, day-to-day run leadership and physics analysis," said John. Following the last fixed-target run, Lenny joined the Silicon Detector Group where his activities include overseeing the facilities at Lab D and serving as project manager for an expansion project for the Lab D cleanrooms. Lenny is also a member of the CDF collaboration. During the last run he worked with the Offline Validation Group. "My future goals include assisting with the development of the SVX II Vertex Detector and contributing to the CDF B-physics analysis effort," said Lenny.