

FermiNews

The Newsletter of the Fermi National Accelerator Laboratory

NEUTRON THERAPY CLOSES

Rush Presbyterian-St. Luke's Medical Center terminated its contract to operate the Neutron Therapy Facility at Fermilab on June 30, 1995.

Rush, which provided physician and financial support for the facility through a contract with the Lab, cited financial reasons for withdrawing from the contract.

"The primary reason the contract is concluding is that the number of patients has declined in the past year," said Virendra Saxena, M.D., chairman of radiation oncology at Rush. "Only 18 patients received neutron therapy at Fermilab in the first four months of 1995."

Since the facility opened in 1976, over 2,100 patients have been treated. Neu-

tron Therapy personnel stopped taking new patients June 5, but continued established patients' treatment for their required therapy schedule.

According to Associate Director B R U C E CHRISMAN, the Lab, under the direction of A R L E N E

"The primary reason the contract is concluding is that the number of patients has declined in the past year. Only 18 patients received neutron therapy at Fermilab in the first four months of 1995." —Virendra Saxena

LENNOX, head of Neutron Therapy Facility, is currently searching for a new hospital or hospital group to resume operations at the facility. The Department of Energy has also agreed to allow the Lab to use high-energy physics funds to support facility personnel through the month of July.

"This funding gives employees more time to find employment and the Lab time to make more hospital contacts," said Bruce. "However, there will not be any more treatments." During this time, many of the Neutron Therapy employees will be looking for different jobs at the Lab, said Bruce.

"We are working with the seven employees of the facility in an attempt to find other assignments in the Lab workforce," said CHUCK MAROFSKE, head of the Laboratory Services Section. "Because of their specialization, obviously those interested in wishing to maintain their skills in patient care won't be easily placed," he added.

continued to page four



FermiNews



Friday, July 7, 1995 • Volume 18, Number 11

Feynman Computing Center Named Federal Showcase.....	page two
Education Office Receives DuKane Valley Council Award	page three
Power Outage Closes Lab	page four
People & Events	pages five through seven

FEYNMAN COMPUTING CENTER DESIGNATED FEDERAL SHOWCASE

The Feynman Computing Center has been chosen as one of 52 Federal Showcase Facilities. Federal facilities are becoming more and more cost-effective to operate by increasing their energy efficiency. Selecting showcase facilities is a vehicle used by the federal government to share its methods for imple-

menting energy and dollar-saving projects.

Feynman Computing Center was chosen because it features such innovative technologies as water source heat pumps, computer waste-heat recovery, air wheel ventilation heat exchanger,

free cooling heat exchanger, hot-gas re-heat and direct digital control energy management systems.

Along with energy-saving technologies, facilities are selected as showcases because of their historical significance and high numbers of non-federal visitors. "These

visitors can learn from site displays and the projects featured can be replicated," said CHERRI LANGENFELD, Department of Energy Chicago Operations manager.

Since the federal government began designating showcase facilities in December 1994, a great deal of enthusiasm and interest for this new opportunity has been generated. More than 50 projects have been identified by 17 federal agencies. These projects feature a wide variety of technologies at very different federal sites.

"Fermilab and the people involved with the design and construction of Feynman Computing Center should be commended for their achievement in being designated a Federal Showcase Facility," said ANDY MRAVCA, DOE Batavia Area manager.

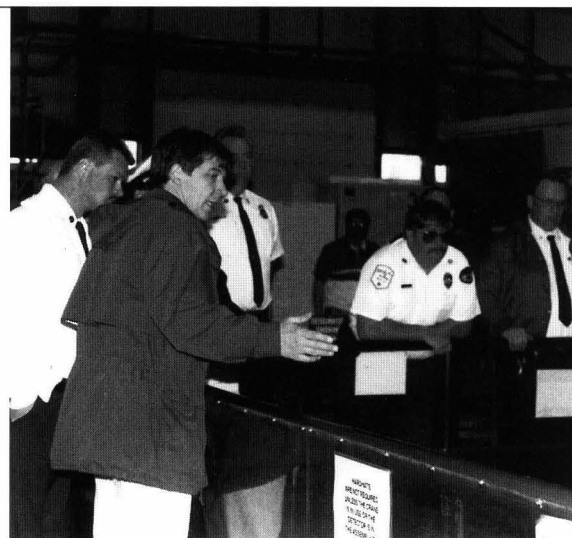


LAB HOSTS TOUR FOR LOCAL FIRE DEPARTMENTS

Fermilab hosted a tour for the local area fire departments May 5, 1995. The tour was held to familiarize local fire departments with our buildings and grounds.

The departments invited on the tour were made up of MABAS members. The Mutual Aid Box Alarm System, or MABAS, is a mutual aid system used by Fermilab's Fire Department when it needs extra manpower or equipment. As part of the system, Fermilab also provides assistance to communities in need of extra service or equipment.

Fire Chief JACK STEINHOFF gave a brief welcoming talk, followed by comments from ROMESH SOOD, Emergency Management Department head. An overview of the Accelerator was presented by BOB MAU. JIM PRIEST (ES&H) and BOB BARNES (FESS) gave a talk on fire protection. Tours were given by BOB ALLEN (ES&H) and T.J. SARLINA (RD).—*Jack Steinhoff*



EDUCATION OFFICE RECEIVES DUKANE VALLEY COUNCIL AWARD

Fermilab's Education Office was honored recently by the DuKane Valley Council for its innovative problem solving programs at the Leon Lederman Science Education Center. The Education Office was one of five area member groups to receive a 1995 DuKane Valley Council Recognition Award May 17, 1995.

The 1995 Recognition Awards were given to organizations that have made exemplary contributions to community improvement through volunteerism, partnerships, inter-governmental agreements or other cooperative ventures.

MARGE BARDEEN, manager of the Education Office, accepted the award

for Fermilab at the awards luncheon ceremony. Associate Director RAY STEFANSKI and members of the Education Office also attended the awards ceremony. The Education Office was nominated for the award by the Directorate.



Sue Moylan, DuKane Valley Council president (l), and Tom Muth, chairperson of the awards committee for DuKane Valley Council (r), present Fermilab's Marge Bardeen with the council's 1995 Recognition Award.

COMPUTING DIVISION ENTERS CRADA WITH IBM

Fermilab entered its fifth Cooperative Research and Development Agreement earlier this year. This new CRADA will allow Fermilab's Computing Division and IBM Corporation to work together to develop techniques and technology to explore and analyze large data collections in science and business.

In the CRADA, the Computing Division and IBM have agreed to demonstrate systems and tools for data mining and analysis in a scalable parallel computing environment.

At Fermilab, the requirements of physicists to collect and analyze data from their experiments provide endless challenges to computing and data storage

systems. The pursuit of high-energy physics has demanded that Fermilab take a leadership role in massively parallel computing. The time required for physicists to access specific, interesting data from large warehouses of data is a significant limiting factor for Fermilab, as well as commercial analysts. The ability of commercial analysts to gather customer or marketplace data in a timely manner is key to their success or even survivability.

Through the joint efforts of IBM and Fermilab, which must meet the increasing needs of physicists, this CRADA represents a unique opportunity to address and solve these problems.

Sidewalks to Get Facelift

In late summer FESS/Engineering will replace the sidewalks leading to the Auditorium and grade level doors into the south end of Wilson Hall. The west and east walks will be worked on separately, leaving one of the entries open at all times. In addition to the interruption to the sidewalks, during repair, parking spaces adjacent to the walks will be used by the contractor.

FESS/Engineering will make every attempt to keep Lab personnel informed of the construction, door closings and parking restrictions. If you have any questions, please contact THOMAS LACKOWSKI in FESS/Engineering by Quickmail.

POWER OUTAGE CLOSES LAB

NEUTRON THERAPY

continued from page one

The Laboratory was forced to send personnel home June 22 when a nearly site-wide power failure brought work to a halt.

“This was a major event at the Laboratory,” said Associate Director BRUCE CHRISMAN. “It was only the second or third time that the Lab has sent a significant portion of personnel home and the first time due to a power outage.”

The Laboratory and Commonwealth Edison are conducting intensive discussions about the cause of the outage, which at this time, remains undetermined.

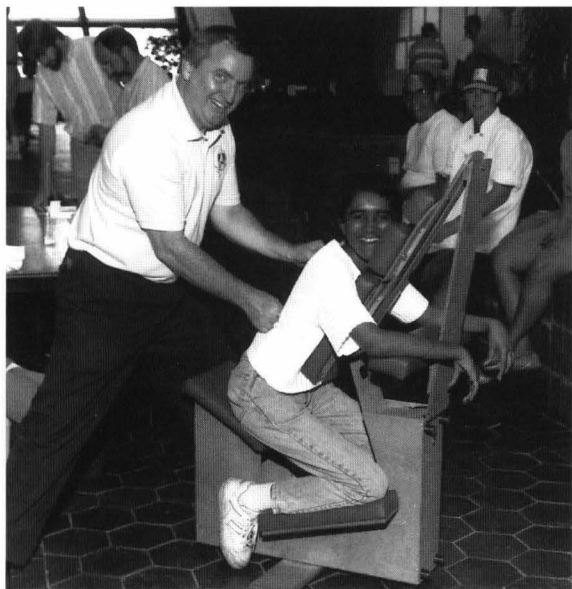
We do know, however, that the power outage caused a fair amount of damage. Division and section heads are working with staff to assess and report to the Directorate problems and losses directly resulting from the power outage.

“Clearly the accelerator warmed up. We lost a full load of helium and it will take a week plus to get the accelerator running,” said Bruce. “We also lost three magnets and a turn around box, and the Computing Division is having trouble bringing disks back up.”

The power outage began at 10:20 a.m. and continued until 2:40 p.m. ■

Bruce added that the closing will not leave patients without possible treatment. “If a physician thinks neutron therapy is right for a patient, there are other fast neutron therapy facilities available in the country.” Fast neutron therapy facilities are located in Detroit and at the University of Washington in Seattle.

“Our facility was the leading edge of fast neutron therapy,” said Bruce. “Gladly, we can say we were a spin-off to industry. It is an area of the Lab we are very proud of and it is a piece that will be missed.” ■



Employees Gather Health Information at Fair

Nearly a dozen health care organizations and providers were at Fermilab last month for the Fermilab Health Fair, sponsored by the Wellness Committee. Local area hospitals, clinics, organ banks, dentists and specialists took part in the fair, offering employees free health and fitness screenings and tests, tips and information.

Over 70 diabetes screenings were given to employees during the fair, along with blood pressure and body composition screenings, back assessments and massage demonstrations.

Many fair-goers found the demonstrations and literature available very useful. “Continue this program,” said one attendee. “It brings needed and helpful information.”

People Events

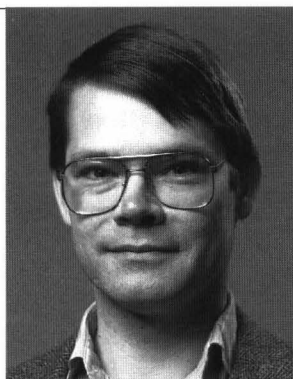
RICH KRON HONORED BY UNIVERSITY OF CHICAGO

RICH KRON, head of the Computing Division's Experimental Astrophysics group, was recently awarded the Llewellyn John and Harriet Manchester Quantrell Award for Excellence in Undergraduate Teaching from the University of Chicago.

Rich was one of four teachers who received the Quantrell Award during University of Chicago convocation ceremonies June 10. Teachers are nominated for the award by their students. According to the university, the Quantrell Award is the nation's oldest prize for undergraduate teaching.

A professor of Astronomy and Astro-

physics at the University of Chicago, Rich teaches part of the Physical Sciences sequence in astronomy and part of the Natural Sciences sequence in the physical and biological sciences. He has been a staff member at the University of Chicago since 1978.



"I feel both honored and encouraged," Rich said of the award. "I'm honored because this is one of the top awards the University of Chicago has for its faculty, and I'm encouraged because this means I must be doing something right!"

Rich also is director of the Yerkes Observatory in Wisconsin and survey director for the Sloan Digital Sky Survey, of which Fermilab is a collaborator. In addition, Rich also teaches Chicago-area high school students in the university's Space Explorers program.

Rich is the third Fermilab researcher to be awarded the Quantrell Award in recent years. Previous winners include EDWARD (ROCKY) KOLB (RD) and MIKE TURNER (RD).



San Francisco Taiko Dojo

ARTS SERIES PRESENTS

SAN FRANCISCO TAIKO DOJO
SATURDAY, JULY 22, 1995, \$17

"The essence of the San Francisco Taiko Dojo is not only the skillful playing of percussion instruments, but also the discipline of mind and body, in the spirit of complete respect and unity among the drummers."—Grand Master Seiichi Tanaka, Founder of San Francisco Taiko Dojo

The exact origin of Taiko remains unknown. However, through ancient folklore, historical writings and anthropological studies, it is known that Taiko has been associated with many aspects of Japan's culture.

Grand Master Seiichi Tanaka founded the San Francisco Taiko Dojo 21 years ago and is credited with bringing Taiko to America. His philosophy is evident in performances that blend contemporary rhythms, a variety of percussion instruments, singing and Taiko and Martial Arts stances. Past performances include a command performance before Emperor Hirohito, Japan-Mexico Cultural Festival and thousands of performances around the country.

MILT JACKSON QUARTET,
AUGUST 26, \$20

Vibraphonist Milt Jackson has been at

continued to page six

Users Annual Meeting Scheduled

The Fermilab Users Annual Meeting will be held July 13 and 14, 1995. The meeting begins with an afternoon session at 1:30 p.m., Thursday, July 13. The Friday, July 14 session begins at 9 a.m. and runs all day. Both sessions will be held in Ramsey Auditorium. Registration starts at 12:30 p.m. on July 13 and 8:30 a.m. on July 14. For more information, contact the Users Office at x3111 or FNAL::USERSOFFICE.

BLOOD DRIVE: GIVE FOR THE HEALTH OF IT

The Heartland Blood Center will hold a blood drive Friday, July 14 from 9 a.m. to 2 p.m. in the Wilson Hall

ground floor center conference room. Questions regarding the drive may be directed to x3232.

WELLNESS COMMITTEE OFFERS MEDICAL BOOK

The Wellness Committee is offering the American Medical Association's *Guide to Your Family's Symptoms*. The cost is \$8.25. A minimum of 50 copies

are needed to place the order. If interested, call MAE STROBEL in Medical at x3232 before July 21.



IMAX Crew Shoots Movie at Fermilab

Above, a member of the film crew for a new IMAX movie, *Cosmic Voyage*, readies his camera for a shot in the Fermilab Atrium. The crew was at Fermilab May 4-8 to film a segment of the movie on how the early universe was formed. The film, expected to be released in IMAX and Omnimax theaters in April 1996, will sketch the known universe from the big bang to the tiniest quark. *Cosmic Voyage* is aimed at the millions of people who annually visit the science museums and other educational institutions equipped with IMAX and Omnimax theaters. IMAX theaters have an approximately 60 foot-high rectangular screen. In Omnimax theaters, films are projected on a section of a dome that envelops the viewer. Fermilab Astrophysicist ROCKY KOLB will make his acting debut in the film. Watch for him holding a glass sphere representing the early universe. His fingers will stretch 20 feet across the screen.

ARTS SERIES

continued from page five

the heart of jazz since he was first discovered by Dizzy Gillespie as a teenager in 1945 in a Detroit nightclub. Although influenced by vibist Lionel Hampton, Milt Jackson was the first proponent of be-bop to play the instrument. He was a member of the Dizzy Gillespie-Charlie Parker Sextet in the late '40s, and along with Parker and Gillespie, became one of the leaders of the be-bop and modern jazz movements. In 1950 he, along with other members of Dizzy's Big Band, began playing as a combo that later became known as the Modern Jazz Quartet. Milt Jackson continues to be a vital and original musician today. He was named by *DownBeat* Readers' Poll in August 1994 as the Best Individual on Vibes by a 2 to 1 margin.

FORE! GOLF OUTING SCHEDULED

A golf outing hosted by the Hughes Creek/Fermilab league will be held Friday, July 21 at Edgebrook Country Club in Sandwich. Tee times start at noon. The outing is open to everyone, not just league golfers.

Optional events include Scramble Tourney, as well as individual contests: 10 holes, closest-to-pin, longest putt/drive. Greens fees are \$20 per person, scramble is \$12 per team and contests are \$3 per person. All fees are required at registration.

Sign up as teams or individuals. Deadline is 4 p.m., July 12. For more information or to register, call ROD KLEIN at x4682 or ARNIE KNAUF at x3715. A half day vacation is required.

NALREC NEWS

AT YOUR (COMMUNITY) SERVICE

LEON LEDERMAN CHILI BOWL

The first-ever Leon Lederman Chili Bowl winner was crowned during the Nalrec Chili Cookoff, June 23. The champions were the Computing Division/Data Com group with their concoction, "Chili Connection." Fifteen industrious chefs entered their chili recipes in hopes of taking home the trophy.

SECOND ANNUAL CAR SHOW

Don't miss the Second Annual Nalrec Car Show and party, July 21 from 5:15 to 9:15 p.m. at Kuhn Barn. Enter your car, truck or motorcycle. Trophies will be awarded for each category, plus best of show. Michael (Angelo) Stinson will be your DJ for the evening. Pizza from Dominicks in West Chicago will be available for \$1 a slice. Contact Mike at x4663 or George at x3307 for information and entry forms.

RAVINIA TRIP

Nalrec is sponsoring a trip to Ravinia August 4 to see the Chicago Symphony Orchestra and cellist Yo-Yo Ma. The trip is \$30 a person and includes appetizers and beverages on the bus, a gourmet sandwich dinner from the Levy at Ravinia, lawn chair and entry fee. The bus leaves Wilson Hall at 4 p.m. sharp, August 4. Contact LYN BAGBY or JOANN HALL by quickmail to sign up.

continued to next column

Harper's Index

Gallons of onion ice cream sold last summer at Vidalia restaurant in Washington, D.C.: 10

Number of people who applied for 36 tasting positions at an Oakland ice cream company last winter: 10,000

DONNA LAMORE, a network analyst in the Computing Division, returned to her high school alma mater, Wyanet High School, this spring to give students an insight into the field of computing. Donna, as a representative of Fermilab, participated in the Wyanet High School career fair along with 39 other businesses and institutions. At the fair, Donna, a 1980 WHS graduate, explained to students the importance of fiber cable technology at



Fermilab and how it allows the Lab's 5,000 computers to communicate with one another.

NALREC NEWS

continued

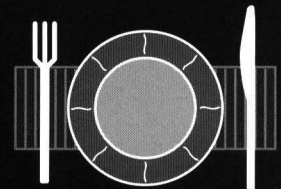
FERMI FEST '95

Mark your calendars for Fermi Fest '95 August 11, 1995. Local band Deluxury will play from 6 to 10 p.m. and there will be many, many fun things for you and your family to do. There will be a moonwalk, pony ride, petting zoo and a 9-hole miniature golf course. Carica-

ture artist Allan Meyer will also be available to draw your "portrait" for \$5. You can also dunk your favorite coworker at the dunk tank, play sheet volleyball with water balloons, enjoy steamed corn-on-the-cob and take part in your division/section tug-of-war. Don't miss it!

Chez Léon Menu

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



Wednesday, July 12, 1995 • Booked

Thursday, July 13, 1995 • Booked

Wednesday, July 19, 1995 • Pork sate w/peanut dipping sauce, steamed rice, vegetable of the season, scrumptious lemon tart

Thursday, July 20, 1995 • Roasted bell peppers w/basil and balsamic vinegar; crab cakes w/coconut milk, tomato, lime and cilantro sauce; vegetable of the season; peach Cardinal

Wednesday, July 26, 1995 • Ham and Gruyere cheese quiche, marinated vegetable salad, cold orange souffle

Thursday, July 27, 1995 • Salad Nicoise, grilled lamb chops w/basil butter, risotto w/wild mushrooms, vegetable of the season, vanilla flan w/raspberry sauce

CLASSIFIEDS

■ VEHICLES

1986 Corvette coupe, fully equipped, low miles, very clean, \$15,000; 1979 Chevrolet Camaro Z28, 4 sp., 4k miles, \$10,000. Call Norm at x8126 or 708-556-3393.

1985 Chevy Astro Van CL, V6, 7 pssgr., white, AC, rebuilt eng., new carb., great srv. van, \$5,200 o.b.o.; 1985 Nissan King Cab Deluxe 2.4L engine, topper w/sliding windows, clean, good mileage, \$3,200 o.b.o. Call 708-552-1320 after 6 p.m. or Dave J. at x3632

1973 Ford Gran Torino station wagon, V8, 400 cu. in., good shape, runs well, \$600 o.b.o. Call James Norris at x3266.

1990 Seatrend 9'4" Windsurfer w/fin, good condition, great 1st Slalom board for advanced-beginner to intermediate sailor, \$350 o.b.o. Call Owen at x3509.

■ MISCELLANEOUS

Patio table, benches and umbrella, 59" in. round redwood table, 4 benches, umbrella & umbrella stand.

Comfortably seats 8, \$250. Call Carmen at x3834 or 708-529-0135.

Window air conditioner, 12,000 BTU, 120V, runs well, only used 2 seasons, \$250 o.b.o. Call Dan or Fay at 708-445-8022.

Light grey pleated blinds for living rm. picture window, good condition, large blind 59" wide, two side blinds 19" wide, all lower to 62" in length, Over \$200 new, sell for \$20; Sears Craftsman garage door opener, 1/2 horsepower, 2 transmitters incl., good condition, \$25. Call Rich at 708-897-8125.

Firestone Supreme tire, P215/70R14 M+S, w/rim, \$25 o.b.o. Call Sharon at x3598.

Will who ever purchased *Great Books of the Western World* from =Ellie LaFountain approximately 4 yrs. ago please call 708-892-4676. Additional books have been found.

■ REAL ESTATE

Spacious 1 BR condo w/balcony, Wheaton, free park, tennis crts, pool.

Incl. stove, refrig., centr. heat & air, washer/dryer on same floor. Call Mike at 708-510-7083 after 6 p.m. or leave message.

For rent: Large, great house in Batavia, close to Lab, town, bike paths, avail. July, \$1,400/month; Small, but great, house in Batavia, close to Lab, town, bike paths, avail. August, \$700/month. Call 708-879-5228 leave message or 804-930-1463.

Naperville room for rent, quiet neighborhood, close to highway, friendly roommates, private bath & room, utilities paid, low rent, residential house, off street parking, 1st month 50% off. Call Mrs. Xiao at 708-778-1107.

■ NEEDED

2 days only, need ride: W. Glenview to/from Lab 7/27 & 7/28. Call Tharuna at x8121.

Driver to provide transportation 2-4 days/week for disabled adult between Norris Rec Center in St. Charles & Elburn/Maple Park, \$5/hr. Call Rod at x2565 or 708-365-5956.

FermiNews

The Newsletter of the
Fermi National Accelerator Laboratory



FermiNews is published by the Fermilab Publications Office

MS 107, P.O. Box 500 Batavia, IL 60510 • 708-840-3278 • TECHPUBS@FNAL

Fermilab is operated by Universities Research Association, Inc.

under contract with the U.S. Department of Energy

The deadline for the
Fri., July 21, 1995 issue
is Wed., July 12.

Please send your article
submissions or ideas to
the Publications Office.