

FermiNews

The Newsletter of the Fermi National Accelerator Laboratory

ACCELERATOR OPERATIONS SHUTDOWN FOR MAINTENANCE & REPAIRS

Accelerator operations were scheduled to be shut down beginning September 12, 1994, but due to an unexpected shortage of commercial liquid nitrogen, the shutdown was moved up to Sunday, August 28. During this shutdown, the Laboratory will conduct maintenance of the accelerator components to improve operation reliability and luminosity.

The longest task and driving force taking place during the shutdown will be the installation of a six-foot-thick concrete shield wall on both sides of DØ. According to RICH ANDREWS of the Accelerator Division, this activity

will require the full nine days of the shutdown.

Other important maintenance tasks include:

- Surveying and leveling, as required, for the low beta quadrupoles at CDF.
- Deriming of the Tevatron.
- Changing Tevatron cold compressor bearings.
- Stabilizing the Tevatron vacuum system.

- Conducting maintenance of the feeder cables by the Facilities Engineering Services Section.

- Upgrading of the Central Utility Building.

Accelerator operations were scheduled to resume September 21, 1994, but the shutdown may be longer than the original nine days planned so that the Lab can complete the scheduled maintenance and repairs and have an opportunity to develop an assured supply of liquid nitrogen. ■

ES&H RELEASES HYGIENE REPORT

On an as-needed basis, the ES&H Section, along with Division/Section ES&H groups, conducts various safety checks to evaluate employee exposure to possible industrial hazards.

The following reflects industrial hygiene activities for the first six months of 1994.

CHEMICAL EXPOSURE

Eleven air samples were taken to moni-

tor employee exposure to chemicals such as lead, nuisance dust, welding fumes and hydrogen cyanide. There were two exposures above the OSHA Permissible Exposure Limit.

The first case occurred at Meson West Assembly Building. The worker was moving old lead bricks for a period of 65 minutes. He was wearing a 3M 8710 mask, gloves and a lab coat. His eight hour time weighted average exposure to lead was 0.08mg/m³. The OSHA Permissible Exposure Limit is 0.05mg/m³. The second case occurred in the

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Friday, September 2, 1994 • Volume 17, Number 15

Taste of Fermilab '94 pages two through three

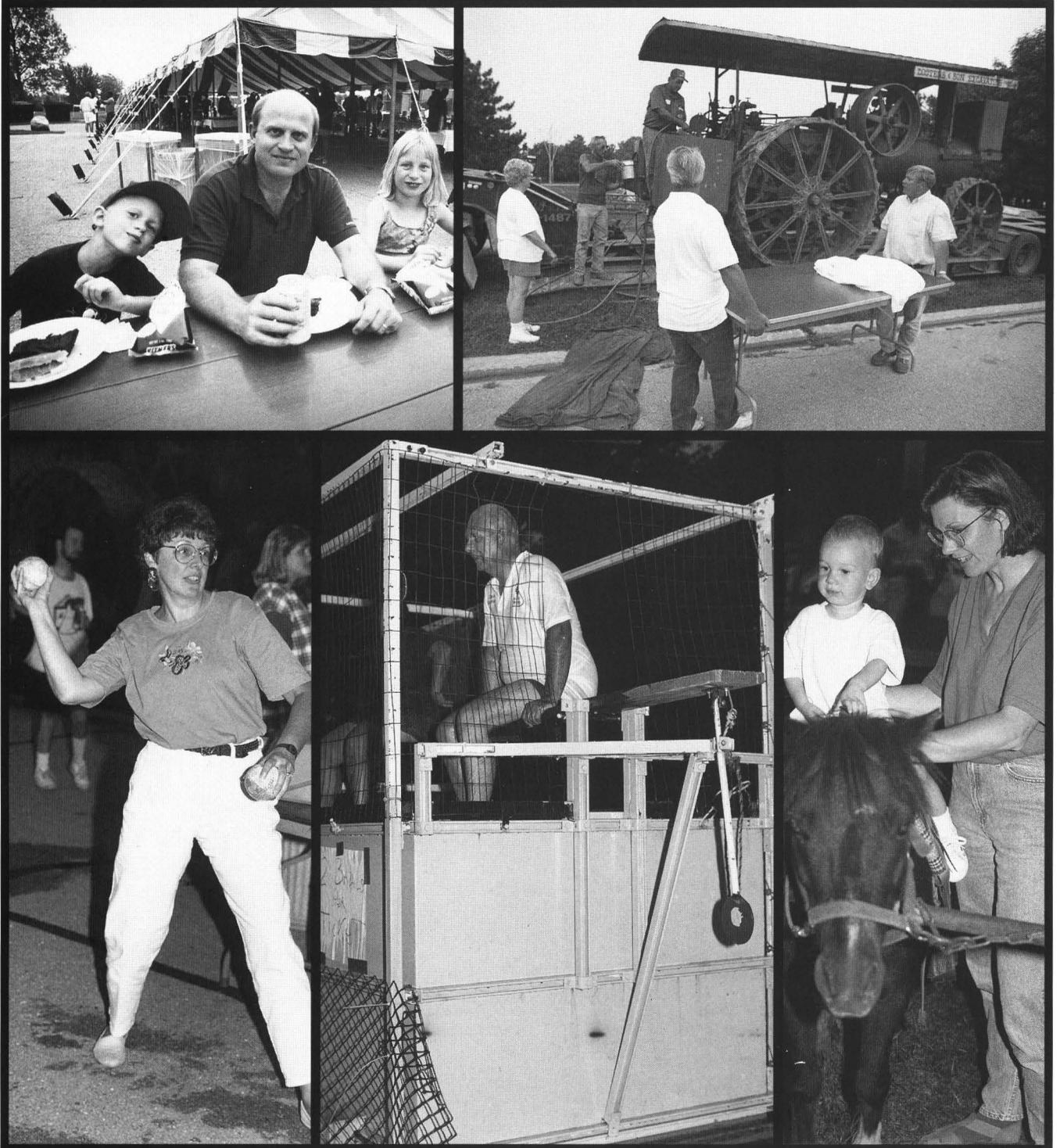
Rinaldo Named Director's Assistant page four

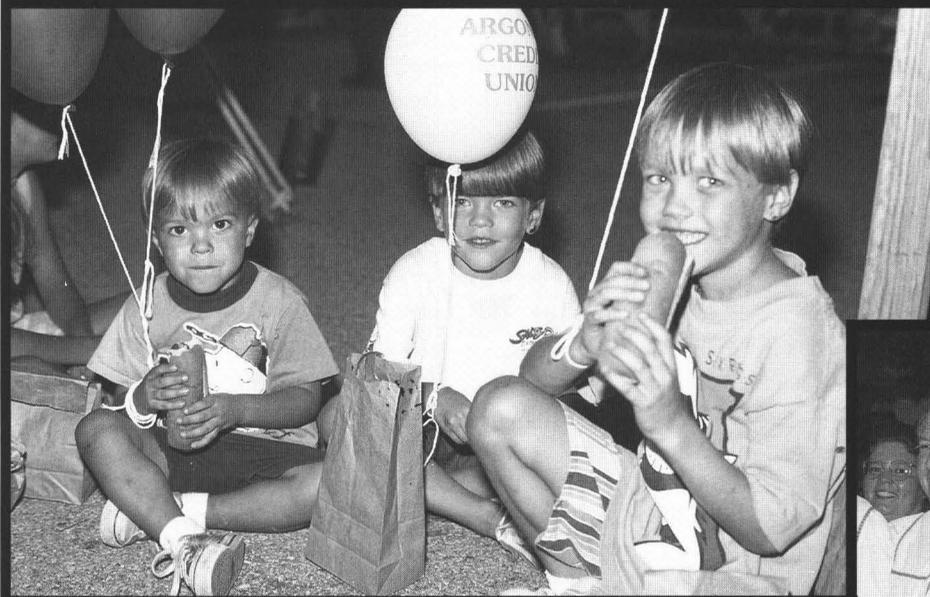
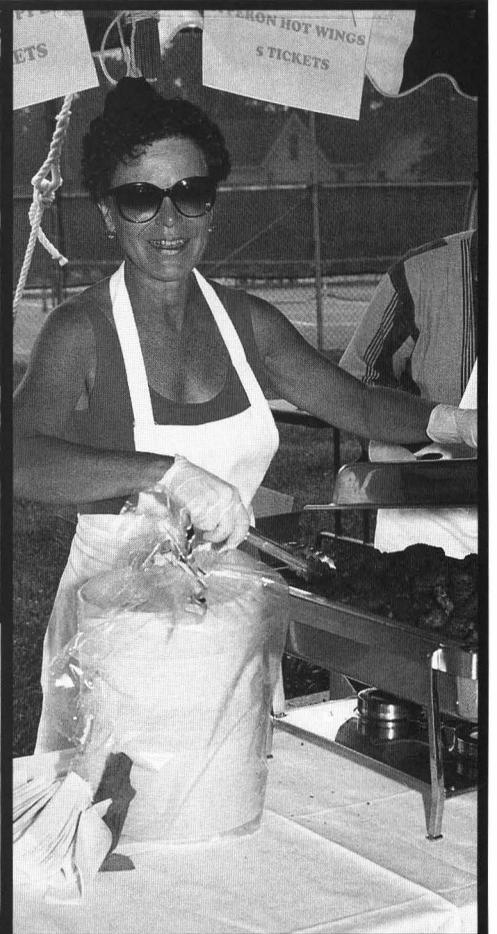
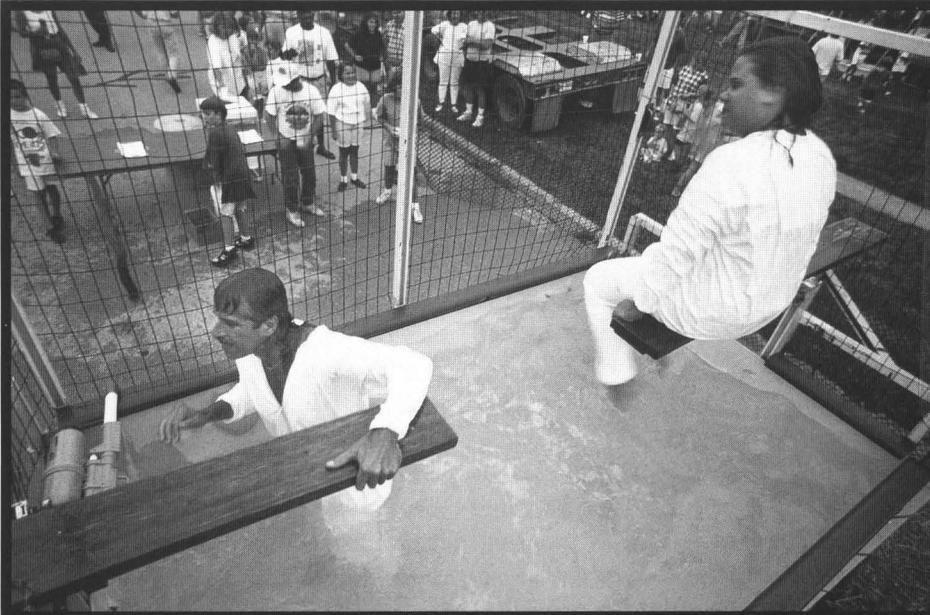
Watch Your Waste page five

People & Events pages six through seven

TASTE OF FERMI '94 DRAWS HUNDREDS

Thanks to nearly 100 Nalrec members and employee volunteers, the Taste of Fermilab 1994 picnic proved to be a success, even under inclement skies. Approximately 300 people came to the Taste August 19 to sample many different foods and take part in the fun. Picnic-goers were treated to a wide variety of food, a folk dancing exhibition, games, a science show and the ever-favorite dunk tank before a thunderstorm forced the party inside Kuhn Barn. The band, *Just Friends*, featuring CARL PENSON of Technical Support, played inside the Barn, capping off another successful Taste of Fermi.





RINALDO DIRECTOR'S ASSISTANT

Director JOHN PEOPLES has appointed FRANK RINALDO an assistant director, effective August 1. Frank left his position as associate head of the High Performance and Parallel Computing Department in the Computing Division to serve in the Director's Office for a period of one year.



His duties will include assisting Associate Director TOM NASH. Frank will be helping Tom with the coordination and oversight of Lab computing, networking and information activities including planning and reviews; technology relations with industry and the Department of Energy including technology transfer. "I am very excited about the new position and look forward to the new challenges it will provide," said Frank.

INDUSTRIAL HYGIENE

continued from page one

Boneyard. Old lead shielding was ripped into smaller pieces and placed into 55 gallon drums for disposal. The workers were wearing half mask respirators with high efficiency filters and disposable coveralls. The job took approximately 45 minutes. One of the workers had an exposure above the OSHA PEL. His eight hour time weighted average exposure was 0.075 mg/m^3 .

Caution must be used when handling old pieces of lead. Lead, over time, oxidizes leaving lead oxide dust on the surface. Any movement of the pieces will release the dust. Contact your ES&H office before handling lead.

ASBESTOS

Removal of asbestos-containing materials by the Fermilab A Team continues. If you noticed a plastic-lined enclosure in the mezzanine of the Cross Gallery in March, this was a removal project. The wall insulation was removed.

Asbestos is a white or brown fibrous material that has been found in pipe insulation, wall insulation, transite, roof shingles and floor tile. The link between lung cancer and asbestos expo-

sure has been well documented. Most asbestos-containing building materials at Fermilab have been identified and labeled. Do not touch this material. Only specially trained people can work with it. If you see suspect asbestos containing material, contact your ES&H office and request an inspection.

LEAD PAINT

Due to an OSHA directive, Fermilab must now consider paint that contains lead at any level a potential health hazard to workers. There must be an evaluation by your ES&H office before any renovation or remodeling work can be done that involves the removal of paint. The ES&H Section is drafting a policy on this emerging issue.

NOISE

During the past six months, workers in Lab 8 have been added to the Hearing Conservation Program. If there is a probability that a worker may be exposed to noise above the Fermilab noise limits, then that worker must be enrolled in the program. The program consists of an annual hearing test, use of personal protective

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AT YOUR SERVICE



Jim Shultz demonstrates closed captioning

Visitors taking the Wilson Hall 15th Floor Self-guided Tour now have the option of viewing the *Welcome to Fermilab* videotour in closed captioning. JIM SHULTZ and FRED ULLRICH of Visual Media Services were responsible for installing the closed captioning on the video kiosk. A simple push of a button activates the captioning option. They have also created an open captioned version of the Fermilab general employee radiation training film. ES&H personnel now can either show employees the regular version or an open captioned version with the text of the film permanently displayed on the bottom of the screen.

"VMS decided it would be proactive to add closed captioning on demand," said Jim. "These options can be used for people who are hearing impaired or who are not strong in English or use English as a second language and better understand reading it rather than hearing it."

WATCH YOUR WASTE

NEWS FROM THE WASTE MINIMIZATION SUBCOMMITTEE

STYROFOAM RECYCLING

By the time you read this article, we will have started styrofoam recycling in the Cafeteria. Recently the Cafeteria switched to styrofoam plates in anticipation of recycling. These plates, as well as the bowls, cups and plastic knives, forks and spoons can be recycled. There are covered plastic bins in the Cafeteria, labeled "styrofoam." Please place your styrofoam and plastic cutlery in these bins. The items do not have to be cleaned, but dump as much excess food into the garbage as you can. You can also collect styrofoam cups, etc. in your area (near coffee machines) and take them to the ground floor for consolidation. Remember, however, if you are eating in the Cafeteria, please ask for and use china and flatware.

PAPER RECYCLING

There have been many questions about what paper products are recyclable. The answer is, all kinds of paper. The trick is to know how to properly sort your paper products. Recyclable white paper is bond paper, copier paper, laser printer paper and calculator tape. There can be writing on one or both sides and any color ink is OK. You do not have to remove staples. "Junk mail" is all other paper products. This includes colored paper, carbonless paper, envelopes, coated paper, fax paper, phone books, magazines and *FermiNews*.

EXPANDED SERVICE

We have plans to expand recycling in Wilson Hall. On your next trip to the ground floor you may see collection areas for wood, cardboard and packing peanuts. Most employees in Wilson Hall won't have much wood or cardboard in their offices, but may get "peanuts" in their packages. You can take them directly to the ground floor

or collect them in a garbage bag until you have enough for a trip to the ground floor. The "peanuts" are re-used by Shipping/Receiving.

If you were at Taste of Fermi you saw some yellow recycling bins for glass and cans. These bins will stay at the barn for Nalrec parties and picnics. Please use these bins next time you are at the Barn.

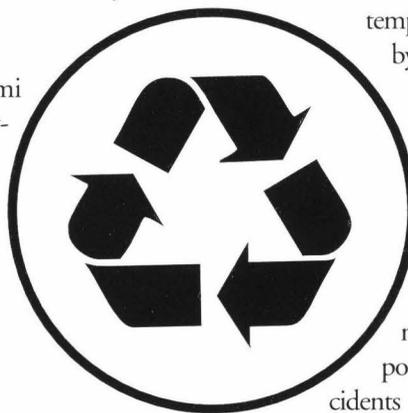
SORTING

The recycling program continues to expand, both in the types of materials we can recycle and in the number of participants. But there has been an increase in the improper sorting of materials. It is important to keep materials separated to maximize our financial return and allow the continued recycling of marginally acceptable waste streams such as junk mail, styrofoam, etc. If our vendor cannot profit from our white paper and cardboard the vendor cannot afford to keep accepting marginal items. Remember, keep white paper, wood, Styrofoam, computer paper, newspaper, cardboard and glass separate from everything else. All non-white paper and paper products can go in the junk mail containers.

ATTENTION, PLEASE!

Do not drop off boxes of "stuff" and expect someone to sort your items. Three ring binders, transparencies, hanging files and office junk are not recyclable and in many instances can and should be reused. For our recycling program to succeed, we all have to do our part. If you insist on dropping off boxes of stuff, the Waste Minimization Subcommittee will personally deliver them back to your office.

Please do not throw your glass into the glass recycling containers. Several individuals have been observed purposely attempting to break glass by throwing their empties into the recycling containers. Such practices are unsafe and may result in injury to the perpetrator and those nearby. Use common sense when disposing glass. Future incidents will be reported to Laboratory management.



EXCESS CHEMICAL UPDATE

In the July 1, 1994 issue of *FermiNews* we wrote about the Accelerator Division's chemical exchange data base but we neglected to acknowledge similar efforts within the Research Division. Like AD, RD has a database setup to facilitate the exchange of unused and uncontaminated chemicals. This database is available to all Laboratory employees. If you have chemicals for the database or need further information please contact AMY GIRARD at x8493 or AD contact AUDREY HOPPER at x3843.

HELP!

We would like to have a volunteer recycling contact for every building/floor/area at Fermilab. Your responsibilities will be minimal and your compensation even less (nothing), but the job satisfaction enormous. We would like you to encourage participation among your co-workers, maintain any recycling containers in your area (sorting etc.) and serve as a contact and help resolve problems. Consider helping the recycling program. Contact Kevin at x2248 or Kay at x2279, if you'd like to help out.

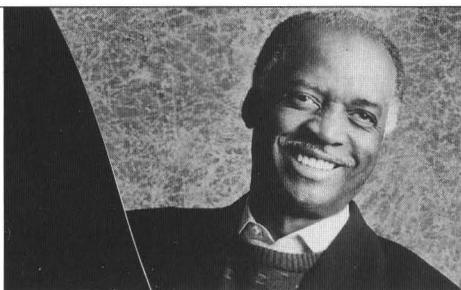
—Kay Weber and Kevin Moss

People Events

ARTS SERIES PRESENTS

JAZZ PIANIST AHMAD JAMAL

Ahmad Jamal is a continually evolving, uncompromising and uniquely original stylist. As he himself says, "I'm a storyteller." The late Miles Davis often cited Jamal's influence on his own music. Jamal performs in a trio setting at Ramsey Auditorium on Saturday, September 10, 1994 at 8 p.m.



Ahmad Jamal

A native of Pittsburgh, Jamal began to play the piano at three. He began formal studies at seven. Encouraged by his mother he studied with the noted African-American concert singer, Mary Caldwell Dawson. In 1956 he formed what became the "house trio" at the

Pershing Hotel in Chicago. His album *But Not For Me*, recorded in 1958, rose to the top of the charts and stayed there for 108 weeks. Later he gained audience recognition by recording the title tune for the *M*A*S*H* film soundtrack. Tickets are \$18. For reservations call xARTS weekdays from 9 a.m. to 4 p.m.

WELLNESS REMINDERS

The Fermilab Wellness Committee reminds all employees not to miss these upcoming events:

- Wednesday, September 7 from noon to 1 p.m.: John Dogar, MD, a board certified allergist from Oakbrook Terrace, will speak on allergies and
- Tuesday, September 13 from noon to 1 p.m.: Weight Watchers will hold an informational meeting in the 1West conference room.

asthma in the 1West conference room.

Congratulations!

To Ghina and MAHER SARRAJ (RD) on the birth of their daughter Nadine. Nadine was born on August 2, 1994 at Central DuPage Hospital in Winfield. She weighed seven pounds, 12 ounces. She is the Sarraj's first baby.

To Nadera and KAL DABOUS (RD) on the birth of their son Emad. Emad was born on August 7, 1994 at Good Samaritan Hospital in Downers Grove. He weighed six pounds and was 19 inches long. He is welcomed by his two-year-old sister Sara.

GUTEN TAG

The first German class after the summer break will be on Tuesday, September 20 at 4:30 p.m. Everyone is welcome. The class will meet in the conference room at 20 Neuqua, just outside Lab 7. The first class will be used to get acquainted and to decide on levels. From the first class, the group will be speaking German. Again, ANGELA JOSTLEIN will teach the class. You can reach her at 708-355-8279 after 3 p.m. or you can call BRENDA KIRK at x3440 if you have any questions.

NALWO ACTIVITIES

Nalwo's International Folk Dancers will perform and teach dance workshops on September 4 at the Fox Valley Folk Festival at Island Park in Geneva. Do come! Recreational folk dance in the Village Barn resumes on September 15 with advanced teaching from 7 p.m. to 7:30 p.m., beginning teaching from 7:30 p.m. to 8 p.m. and request dancing until 10 p.m. every Thursday. In addition, Scottish country dancing, which consists of a series of figures done in sets or couples, will be taught and called in the Barn on the first and third Tuesday of each month from 7 p.m. until 9 p.m. We welcome dancers of any level. You do not need a partner.—*Sue Mendelsohn*

MADNESS

Tickets are still available for the October 23, 3 p.m. showing of the comedy whodunit *Shear Madness* at the Mayfair Theater in Chicago. Call JEAN GUYER at x2548 for a reservation form. Tickets are \$17, regularly \$23. The deadline to order tickets is September 26.

TONE UP!

The Recreation Facility will be holding muscle toning classes Tuesday and Thursday evenings from 5:30 to 6:30 p.m. The schedule through the spring session is:

- September 20 - November 17, \$40
- November 22 - December 22, \$20
- January 10 - March 9, \$40
- March 21 - May 18, \$40

Beginners are welcome. Registration and payment must be made prior to the start of each session. Registration can be made by mailing your name and check, payable to Bod Squad, to MS126 or by bringing it to the Recreation Office, WH15W. For more information call JEAN GUYER at x2548. A 1995 gym membership is required.

JOIN THE GYM

Have fun and get in shape. Become a member of the Recreation Facility. 1995 Memberships are now on sale. Regular memberships are \$50. Student memberships, for visiting graduate students only, are \$25. Memberships may be purchased through the Recreation Office, Monday through Friday from 8:30 a.m. to 5 p.m. *Renewal memberships only can be purchased by mail to MS126. Your membership will be activated upon receipt of a completed application form (inserted or also available in the Recreation Office, WH15W) and check payable to Fermilab.* Current 1994 memberships expire October 1. Call JEAN GUYER at x2548 for more information.

Harper's Index

Average amount left by the tooth fairy in 1969, per tooth:

25 cents

Average amount left today:

\$3.30

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. All foreign films have English subtitles. Admission is \$3 for adults, \$.50 for children 12 and under. Coffee and cookies will be served on the second-

floor mezzanine following each film.

■ September 9: *Dodge City*, classic Western story of the struggle between hard-working cattlemen and a corrupt local official. Olivia de Havilland and Ann Sheridan star. Michael Curtiz, director, U.S., 1939, 104 minutes.

SCHOLARSHIPS REQUIRE S.A.T. TEST

Candidates for Universities Research Association (URA) scholarships are reminded that the scholarships are awarded on the basis of SAT (Scholastic Aptitude Test) scores. Thus, high school seniors are reminded to sign up for a fall testing date if they have not already taken the tests.

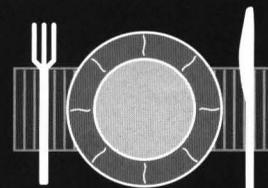
URA awards a number of scholarships to regular, full-time employees' chil-

dren who are currently high school seniors and who will begin a four-year college degree program next fall. The maximum amount of the scholarship is \$3,000 for tuition and fees and is renewable for four years if the student progresses in good academic standing.

Scholarship applications will be available after the first of the year and they are due March 1, 1995.

Chez Léon Menu

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



Wednesday, September 7 • *Seafood vol-au-vents, fresh garden salad, citrus melon bowl*

Thursday, September 8 • *Tomato w/pesto, beef tenderloins grilled w/red wine sauce, sauteed vegetables, Gran Mariner souffle*

Wednesday, September 14 • *Hot and spicy pork loins w/tropical salsa, minted potatoes, strawberry and blueberries w/Triple Sec cream Anglais*

Thursday, September 15 • *Cesar salad, crab cakes w/shallot cream, angel hair pasta w/julienne of vegetables, lemon Napoleons w/raspberry sauce*

INDUSTRIAL HYGIENE

continued from page four

equipment and annual training.

If you work in an area where you must raise your voice in order to be heard, then you may be working in a hazardous noise area. Contact your ES&H office and request a survey. If the area has already been designated as a high-noise area, wear the required personal protective equipment.—*Maureen Huey*

BENEFITS NOTES

HEALTH PLANS OPEN ENROLLMENT

Information regarding the open enrollment period and changes to Fermilab's health plans were mailed to employees' mail stops the week of August 29. During the open enrollment period, September 12 to September 23, active employees can elect to transfer their medical and dental coverage.

This is also your opportunity to find out more about Fermilab's medical and dental plans. Representatives from CIGNAPO and the HMOs will be in the Wilson Hall Atrium on September 12 from noon to 5 p.m. and September 13 from 8 a.m. to 1 p.m. to distribute information and answer questions.

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CLASSIFIEDS

VEHICLES

1989 Cadillac Deville, loaded, excell. cond., dual power seats, wire wheel covers, tilt wheel, V8, 59k miles, leather inter., champagne color, \$11,000. Call Ruth at x3281 or 708-369-6180.

1986 Ford Mustang LX, 4 cyl., man. trans., cruise, AM/FM/cass., sun roof, electric door locks, new tires, 103k miles, good cond., \$1,600. Call Ron at x4663 or 708-466-1823 eves.

1950 Chevy 1/2 pickup, restored to orig. cond., low mileage, many xtra parts, \$7,800 o.b.o. Call Jim at x2205 or 708-584-6698 after 5 p.m.

MISCELLANEOUS

1 women's & 1 men's 27" 3-speed Huffy bikes, \$25 ea.; 1 girls 24" 10-speed Columbia bike, \$40; 1 pair Fisher speakers, approx. 6 yrs. old, 15" woofer, 4" mid-range & 3" tweeter, 120 watts ea., \$200. Call x3351 or 708-892-5213.

Fishing electronics: Hummingbird Super Sixty depth finder w/heavy duty thru hull, transducer, \$75; Lawrence X15B graph, the best in detail in a fish finder & bottom indicator, complete, \$225. Call George at x3363 or x3364.

Smith Corona portable personal word processor (PWP 3100), perfect for college student or @ home writing. Built-in disk drive for unlimited storage, full WP capabilities, pop-up viewing screen, Spell-Write dictionary, \$300 o.b.o. Call Aimee at x2331 or 708-328-9916.

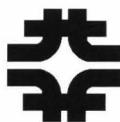
PSE compound bow, completely outfitted, \$100. Call John at x4389 or after 5 p.m. at 815-286-7244.

For sale: 1 Litton electric stove/range/microwave, \$150; 1 White Westinghouse electric stove/range, \$75; 1 set of 2 rattan & glass etageres, \$200; 1 sm. cherry roll top desk, \$250; 1 wide entertainment cntr, up to 27" TV, \$100; 1 Black & Decker electric lawn mower, \$50; 1 Peg Perego triple stroller, \$350; 1 pair Jensen C speakers, \$150. Call Jim at x3349 or 708-208-9882.

2 refrigerators: 1 side-by-side, Montgomery Ward, 22 cu. ft., almond, \$300 o.b.o.; 1 Kenmore, 20 cu. ft., white, \$200 o.b.o. Call Pam at x3349.

PETS

Free to a good home, 2 male cats about a yr. old, healthy, gentle, affectionate & playful, prefer not to separate. Photos posted around site. Call Darryl at x2901 or 815-758-4076.



The deadline for the
Friday, September 16, 1994
issue is WED., SEPT. 7.
Please send your article
submissions or ideas to the
Publications Office.



50%

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