

The Village Courier



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PHONE SYSTEM REVISIONS IN EFFECT NEXT WEEKEND

Beginning Friday, October 25th, at 5:00 p.m., the Fermilab telephone system will be revised to provide the services required at the Laboratory at less cost, by using leased lines to particular calling areas. This system is already being used by the dial "77" line to Chicago (including the O'Hare area), the dial "76" line to Argonne National Laboratory, and the dial "8" FTS (Federal TeleCommunications System), all of which will remain. All extensions on site will be changed by 8:00 a.m., Monday, October 28.

The modification is part of a site-wide program to reduce communication costs. A recent telephone inventory review resulted in eliminating 114 terminals and related equipment, a reduction of 10%. After this weekend, all calls to local areas and to the FTS line will be made through a dial access system. This means that it will be necessary to dial one or two digits plus the regular 7-digit phone number.

To place long distance calls other than on the FTS line, it will be necessary now to call the Fermilab operator for the proper access line. Under the new system, a call to a number requiring a special access code will give a fast-busy signal if it is not dialed correctly.

Traffic studies by the phone companies show that the peak calling times are from 10 a.m. to noon, and from 3 to 5 p.m. on weekdays. The long distance lines may be busy during these times, and better service will be available before 10 a.m., between 1 and 3 p.m., or after 5 p.m.

An informational session for all Fermilab phone users will be held Thursday, October 24 and Friday, October 25, at 3 p.m., in the Auditorium. A copy of the new telephone access code system has been sent to all phone users at the Laboratory. If you have dialing problems during the weekend, call the Fermilab Operator, "0", or Ext. 4000. On Monday, October 28, call Carolyn Hines, Ext. 3780.

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PARKING CHANGES AT CENTRAL LABORATORY

Dave Sauer, Head of Fermilab Site Services, announced this week that the area directly in front of the entrance to the Central Laboratory, on the horseshoe drive, will be made an enforced 30-minute parking zone. These ten spaces will provide in and out parking for short-term access to the Central Laboratory. Cooperation of all employees and users in adapting to the new system will make these spaces useful to everyone, Sauer points out.

The remaining spaces on the horseshoe drive will remain for full-time parking.

PROGRESS ON A POSSIBLE NUCLEON THERAPY FACILITY FOR FERMILAB

Basic work that may pave the way for a Nucleon Therapy Facility (NTF) at Fermilab is now underway. The URA Board of Trustees has authorized the Laboratory to start a research program to make important preliminary physical and biological measurements on a neutron beam proposed for Fermilab. Protons will be used at Fermilab to create neutrons whose therapeutic properties look quite promising for the treatment of some types of cancer, according to some recent results from Hammersmith Hospital in London.

To obtain the neutrons for these studies, two linac tanks will be moved about four inches each -- tank #4 upstream and tank #5 downstream. This will create space to install a beam extraction system in the linac. Using this gap, 66 MeV protons will be extracted and directed through the shielding wall to the linac basement. There the protons will strike a small, well-shielded target made of either beryllium or lithium. This extraction will take place during the times when the linac is not being used for injection into the main accelerator system. In this manner, the high energy physics research program and the NTF can operate simultaneously. The protons will create a flux of neutrons when they collide with the target. These neutrons, when properly collimated, will form neutron beams which will be studied for their physical characteristics and biological effects.

The physical measurements will study dosimetry, energy spectra, collimator design, among other subjects. Both single cells and small mammals will be irradiated in the biological studies.

The neutron facility study is a significant project. It could very well be the first step in a research program that may lead to cures for some types of cancer which are resistant to x- and gamma rays as well as electron irradiations.

Many people at the Laboratory have been working in their spare time doing work on plans for the NTF. These have included many people from the Accelerator Division. Stan Snowden has contributed design of the extraction magnet. Max Palmer has worked on construction of the beam line while Ed Gray studied linac beam optics and Bob Peters extracted beam optics. Cy Curtis, Mike Shea, and Curt Owen have studied the effect on linac operations; Jim McCrary, safety requirements; Glen Lee, mechanical design, and Phil Livdahl, general advice.

Tom Droege and Andy Van Ginneken of Research Services have looked at data collection and study of neutron beams, respectively. Don Young of the Accelerator Division and Miguel Awschalom of Research Services have been handling much of the coordination and planning of the project.

People interested in contributing to the NTF project should contact Young or Awschalom. It is hoped that sometime in the spring of 1975 there will be a neutron beam to start the experimental program.

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CREDIT UNION SPONSORS LAS VEGAS TRIP

The Argonne Credit Union has arranged to sponsor a group tour to LAS VEGAS over Thanksgiving weekend. All ANL, Fermilab, and AEC employees and members of their immediate families are eligible to participate. A special invitation is extended to retired employees.

The tour will leave O'Hare Airport via TWA DC-8 Jet on Friday, November 29, at about 9 a.m., returning to Chicago on the evening of Monday, December 2nd. (Friday, November 29th is a holiday for most members.) In Las Vegas, the group will stay at the new Circus-Circus Hotel located in the heart of the famous Las Vegas strip. The cost, based on double occupancy, is \$184.00 per person. This includes air fare, hotel accommodations, round trip airport transfers in Las Vegas, baggage handling and all tips and taxes. Only your food and entertainment will be extra. Single and triple accommodations are available. Children are welcome.

Reservations will be accepted as long as seats are available on a first come basis. For more information, contact June Olsen, Ext. 3293, or Miller Tours, Oakbrook, 887-8890.

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DICK GREGORY ENTERTAINS FERMILAB AUDIENCE

Dick Gregory visited Fermilab last Friday night. He spoofed, he prodded, he entertained Fermilab people for almost two hours. About high prices, he quipped, "price of onions' gone so high now my mother cries when she buys them....it'll soon be a status symbol to have them on your breath." About young people he said, "Never before have young people had the burden of responsibility we have dropped on them today....if we see '76 it will be the kids that turned this country around." And, "there's no Democrat, no Republican who can cure cancer,""we better start dealing with nature, nature's still the boss...."

"I know something now since I got into this thing," he said quietly at the end of his 1-man show, "there's a universal force that balances out everything. The key to the whole thing is 'How much service did you give?'....Honesty and integrity have got to be the cornerstones of America....Are you willing to help turn things around?....Be human for a change."

The Gregory program was the first of the Fermilab Auditorium Lecture Series. Dr. Alfred Brenner, chairman of the Auditorium Committee announced that monthly lectures and entertainment events are planned by the Committee to be presented in the Auditorium. In November, Robert Woodward, of the Washington Post's Woodward-Bernstein team that uncovered much of the material on Watergate, will present another in the lecture series program. The events are open to the public.



FIRE PROTECTION DEMONSTRATION

The activity in the southwest corner of the Fermilab cafeteria during the week of October 21 has been around a demonstration of several products that can make homes safer. The Fermilab Safety Office investigated and came up with samples of a number of devices for homes, cars, and for recreational use that make for safer conditions. Safety Office personnel and suppliers are demonstrating these products for Fermilab people. Orders will be taken at the demonstration. Among the products are smoke and heat detectors, escape ladders, and emergency lights. For further information on any of the products, contact Art Streccius, Ext. 3580.

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COSTUME PARTY, NOVEMBER 2

The new Fermilab Music Club is presenting a Costume Party, for all Fermilab people, visiting experimenters, their families and guests, on Saturday, November 2, from 9 p.m. to 1 a.m. in the Village Barn. There'll be recorded music for dancing, by D. J. Mike Armstrong. And prizes for the best costumes...single, couple, and most original. Add the cash bar for fun, raising money for future musical events at Fermilab. For further information, contact Larry Jackson, Ext. 4070; Mike Armstrong, Ext. 3014; T. Gordon, Ext. 3701.

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AUDUBON GROUP HERE SATURDAY

The DuPage Audubon Society will meet at Fermilab on Saturday, October 26, to count the duck population on the Fermilab site. Anyone interested is invited to join the group, meeting at the East entrance on Batavia Road, at 9:30 a.m. For further information, call Dave Carey, Ext. 3952.

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CLASSIFIED ADS

BUS ROUTE, OSWEGO TO LAB -- A tentative survey is being made to see what interest there might be in this service. Call H. Clover, Ext. 3089 if you are interested.

FOR SALE - '68 Dodge Charger, blue w/black interior, 4 speed, 426 engine, excl. running condition. \$750. Call Dee at 552-8068 or 815-498-2500.

FOR SALE - '68 Buick Electra 225, white/black V top, a/c, all power, very good car, \$1400. Call D. Maxwell, Ext. 3701 or 892-6912 after 5 p.m.

FOR SALE - 2 snow tires G78-14, very good cond. \$10 each. Call C. Gifford, Ext. 4168 or 627-7926, or Mary Harvey, Ext. 3800.

FOR SALE - 5 Tires, new truck take off 16.5 x 8.75, 10-ply whitewall, General. New \$90.00 each...sell for \$275. Call H. D. Clover, Ext. 3089 or 554-1375.

RIDE WANTED - To N.Y. City for Thanksgiving holiday. Prefer rd. trip. Call Ernie, Ext. 3210.

FOR SALE - Kay 3/4 size String Bass, padded case. Excl. cond. \$500. Call Nancy, Ext. 3467, or 231-2840 after 5:00 p.m.

FOR SALE - Used Plywood, 3/4" x 27" x 7' or 8'. 200 - 10" Waylite cement blocks. 5 - 50' sections of Snow Fence. Call Bob Schlick, 231-8127, evenings.

WANTED --- Honey in 5 or 6 gallons. Call B. Lepazak, 815-436-6717.

WANTED --- Any guitar books on the Moody Blues Group. Call Marty, Ext. 3688.

FOR RENT - Large Bright Room plus dressing room in beautiful old N. Aurora house. Washer, dryer and cooking arrangements possible. Call Judy, Ext. 3935, evenings 892-1829.

APT. FOR RENT - Cheerful 2 bedrooms, 2 full baths, 1 off king-size bedroom, a/c, pool, close to school & train. Avail. Dec. 1st on 6 mos. or more lease. A. Thomas 420-0139, or Arg. 3302.

FOR SALE - 6' Bar & 4 stools, 6 mos. old. Call Dave Seifert, Ext. 3575 or 896-4533.

MUST SELL - LEAVING COUNTRY - Dining room set, desk, bookcase, vacuum cleaner, Sunbeam 635, and small items. \$200 or Best Offer. Call J. P. Boymond at 231-9203 after 6 p.m.

FOR SALE - 33,000 sq. ft. (3/4 acre) Wooded Lot, Galena area. Elec. & water at door. Year round activity. Lots sell for \$10,000 ---Asking \$8,000. Call H. Jarell, 897-8509.

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