

FERMILAB NEWS

 Fermi National Accelerator Laboratory

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LEON LEDERMAN TALKS ABOUT GOALS AT DIRECTOR'S MEETING

"Our goal is to maintain and enhance Fermilab as the outstanding international center for research in particle physics," Leon Lederman, Fermilab director, told more than 700 people at the first director's meeting he has held since becoming director June 1.

Speaking in the Central Laboratory auditorium, Lederman said Fermilab should never be the "Avis of particle physics." It's the nature of the work we do that requires us to have outstanding physicists, engineers, technicians, administrators and support people. They are the type of people who want to work where things are outstanding.

"We will lose them if Fermilab starts to slide. They will go elsewhere and our downward spiral will accelerate. There is no substitute for being the outstanding center. We have to be at the top."

Fermilab is a place where scientists from other countries and their families can live for a few years, giving the laboratory its international flavor, said the director and leader of the experimental team that discovered the Upsilon particle. The laboratory must continue in its premier position as an attraction for foreign scientists, he added.

Lederman mentioned three international "special projects" of which Fermilab can be particularly proud. Scientists from the People's Republic of China soon will be here to study the accelerator. An agreement has been worked out with the Japanese government for their scientists to study and conduct research on high energy physics. And Russian scientists will continue their already impressive work here.

"We want to provide all of our users with the most advanced facilities they can find anywhere in the world," Lederman told his audience of mostly employees and users. "We want to provide them with an environment that is most appropriate for their needs,

one in which they can build the things they need and do their research.

"This also means that the quality of life at Fermilab--for our laboratory people and users--must be satisfactory. We have to see that our communication remains free and open; that the surroundings--the trees, lakes, wildlife--remain pleasing to the eye.

"In a sense that's related to what we are doing at Fermilab: studying nature at its most basic level. We are carrying out an activity at the frontier of civilization."

Lederman also told his audience that Fermilab plans to communicate more effectively what is being done here. "The end product of our work is the enhancement of civilization," he said. "We know you want the satisfying feeling that you are doing good things."

The director also spoke about preparations for the future Energy Saver-doubler. He listed some major epochs in Fermilab's future:

--An accelerator containing 1,000 superconducting magnets and providing 1,000 GeV protons to the Meson, Neutrino and Proton external experimental areas.

--Colliding 1,000 GeV protons against 1,000 GeV antiprotons.

He said he expects most of the construction to be completed by the end of 1981, and that in 1982 "we'll begin to do science." That timetable will put Fermilab "10 years ahead of the rest of the world," he also said.

"We'll be able to do more important and incisive experiments that will enhance our general understanding of the atom. The data we expect to gather will be important to cosmologists as well as physicists. It will help us understand where the world is going. It all hinges on Fermilab's program."

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OPEN HOUSE TODAY AT COMMUNICATIONS CENTER

The new communications center will be unveiled today for the first time to laboratory employees since its modernization.

In a setting that contains sophisticated electronic equipment and a comfortable aesthetic decor, staff members of the center will be on hand to show off and explain their new facility to visitors.

Open house hours are 2 to 4 p.m.

Two of the main features to watch for are the message center and the master control panel with its assortment of pushbuttons, knobs and lights. Despite its awesome appearance, the panel was arranged so that the communications operators could easily manage it.

Located in the northeast corner on the first floor of the Central Laboratory, the spacious center has an attractive carpet, acoustic ceiling and cork panels and acoustic tiles on its walls to control sound and to give the operators a pleasant atmosphere in which to work. Blues, oranges, reds and whites intermingle to further enhance the decor.



...Eileen L. McWayne, supervisor of the communications center, sends a message over the center's new equipment that receives and transmits messages world-wide automatically. She has been with Fermilab 4½ years, and recalls when the laboratory only had telephone switchboard operators. The dispatchers were employees of the security company that was hired by Fermilab at the time. To McWayne, the communications center has come a long way...



...Carolyn Hines (center) manager of communication services at Fermilab, observes William Flaherty record a message. At the time this photograph was taken, Flaherty was working the dispatch side of the master control panel and Frank Keck (background) was the telephone switchboard operator. The two men know each other's jobs well and exchange positions on alternate days, as do all communications operators. As the dispatcher, Flaherty is responsible for processing police, fire and other emergency and security calls, and in general, for serving as the main control point for incoming and outgoing calls of this nature...

COMMUNICATIONS OPERATORS...

The communications operators who staff the center around the clock are: Deborah Fischer, William Flaherty, Carl Gunderman, Janine Hanson, Joan Harrold, Louise Kluge, Kurt Luchs, Hattie van Lear, Paul Wise and Frank Keck.

(More photographs on Page 3)

WELCOME TO THE FERMILAB
ANNUAL PICNIC SPONSORED BY NALREC

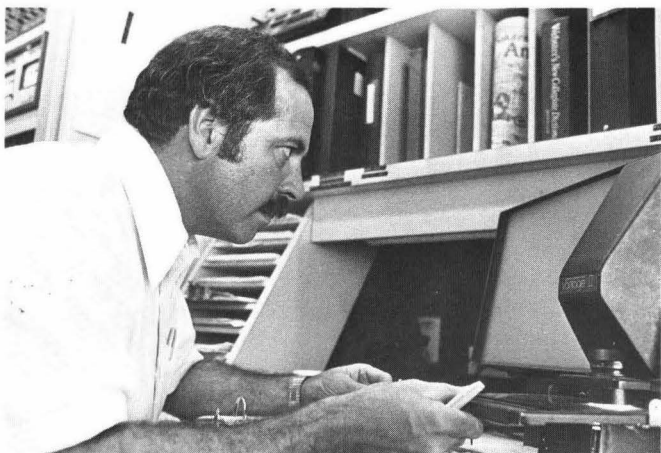
When you arrive, please fill out a door prize stub at the Information Station where you will also find a nurse on duty for first-aid. Food and drink tickets are available at the Ticket Tent for 10¢ each. Ride tickets are available for 25¢ at the Ride Ticket Booth.

PICNIC SCHEDULE:

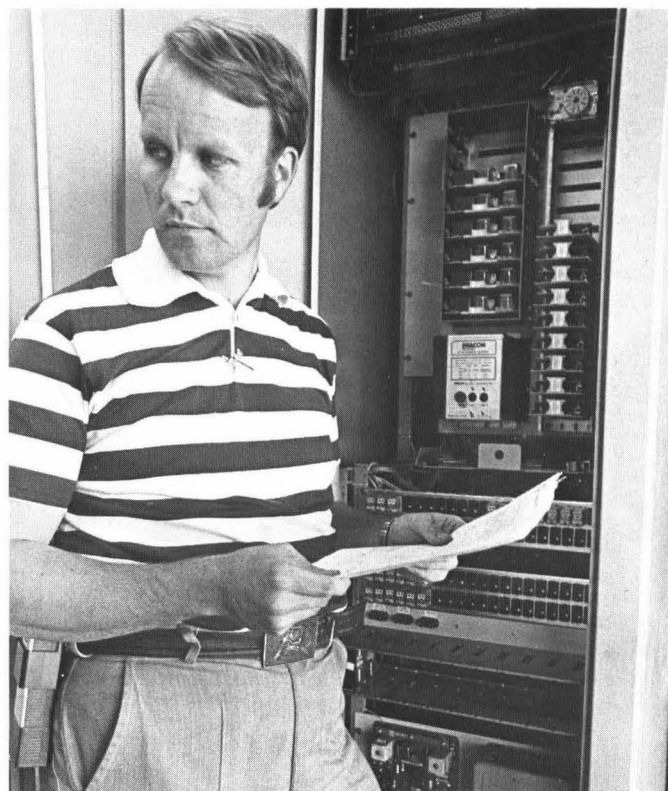
- 11:00 a.m. Picnic Starts - Rides Begin
Popcorn, Cotton Candy, Sno-cones & Beverages Available
- 11:30 Food Service Begins
- 12:00 p.m. First Door Prize Awarded. Prizes awarded every half hour until 6:00 p.m.
- 12:30 Door Prize
- 1:00 Teen Town Opens with the band Sparrowhawk (Teen Town open until 5:00 - North of Users Center)
- See a "Clown Become a Clown" before your very eyes and perform magical acts (Kuhn Barn-Upstairs)
- Radar Ball Starts (East Baseball Field - 1:00-4:00)
- Door Prize
- 1:30 Celebrity Dunk Tank Starts
Door Prize
- 2:00 Cakewalk Starts (Tennis Courts)
Door Prize
- 2:30 GAMES FOR ADULTS ONLY
Egg Throwing Contest followed by Watermelon Eating Contest (Latter limited to first 24 entrants)
Door Prize
- 3:00 Model Airplane Show (East Side of Blackhawk)
Door Prize
- 3:30 Door Prize
- 4:00 Door Prize
- 4:30 Door Prize
- 5:00 Door Prize
- 5:30 Door Prize
- 6:00 LAST Door Prize
- PICNIC ENDS

THE NALREC COMMITTEE WISHES YOU A HAPPY DAY!





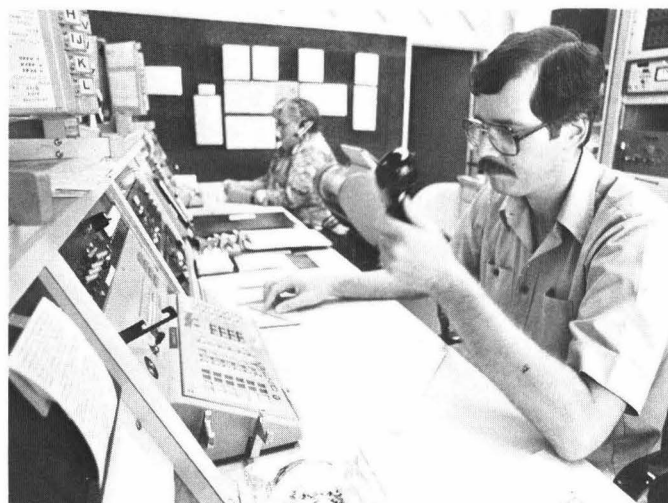
...Rudy F. Dorner, manager of emergency services, scans some information contained on film and enlarged on the readout screen. He paid strong tribute to the communications operators. "When others head for the shelter, they stay at the controls," he said...



...Douglas L. Bamford designed the basic electronics system of the center and supervised the tying together of existing equipment as well as gear from about 35 manufacturers. Surprising to some observers--and much to the credit of Bamford--the whole sophisticated network of wires, resistors, integrated circuits and others worked rather well the first time...



...Joan Harrold works as a telephone switchboard operator. In the foreground is a unit that prints out alarms and other matters of an emergency nature...



...Paul Wise (foreground) covers the dispatcher's side of the main control panel. Within easy reach, he has an enormous amount of reference material that includes most emergency and health care facilities in nearby communities. In the background is Joan Harrold...

PORTABLE PICNIC SCHEDULE

Look for the schedule of the NALREC family picnic July 22. It's enclosed with this issue of FERMI-NEWS. Take it with you and follow the fun.

RUN FOR FUN BEFORE FAMILY PICNIC

As a warmup for the NALREC family picnic July 22, a four-mile run is being organized for 11 a.m. that morning.

The run will start and finish at the Barn in the Village. The course will follow the bicycle path along Batavia Road and Road B to the Central Laboratory and then back along the same route.

Prizes will be awarded to the top finishers in different age and sex categories. The event is open to all Fermilab employees, visitors, users, Department of Energy staff members, security personnel and, of course, their families.

Interested runners and joggers should register with Marv Warner, CL5W, Ext.4430.

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LEON LEDERMAN IS ALL WET

And probably a lot of others too....

They have volunteered to sit on that unpredictable platform above a tank of water waiting for that inevitable moment when someone hits the release mechanism with a baseball...dumping the platform sitter.

The celebrity dunk begins at 1:30 p.m. during the family picnic July 22.

In addition to Leon Lederman, Fermilab director, volunteers include Brad Cox, John Elias, Orin Fackler, Russ Huson, Drasko Jovanovic, Tom Kirk, Ernie Malamud, John Peoples, Ken Stanfield and Thornton Murphy.

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FERMILAB TO HAVE EXHIBITS IN
DUPAGE, KANE COUNTY FAIRS

Fermilab will have exhibits at the DuPage County Fair, July 26-29, and Kane County Fair, Aug. 1-5.

The laboratory needs volunteers to work at the exhibit areas in both fairs: from 9 a.m. to 9 p.m. at the DuPage fair and from noon to 8 p.m. at the Kane fair. An employee who wants to work at a fair during his regular working hours must have approval from his supervisor. Employees cannot be compensated for travel to and from a fair or for the time they work at a fair.

Any person who wants to volunteer should contact Penny Horak, project manager for the exhibits, Ext. 3393, before July 23.

The exhibits at the DuPage fair will be on the stage of Exhibition Hall at the fairgrounds, Manchester Road just east of County Farm Road, Wheaton. They will be installed in the Centennial Auditorium on the Kane fairgrounds, Randall Road just north of Route 64 in St. Charles.

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REMINDER ABOUT SPECIAL TOUR

Persons who plan to take the special tour July 31 should reserve a place by calling Patricia Zack, tour director, in the Public Information Office, Ext. 3351.

Openings are limited. The tour was organized for individuals and their families. Because of the content, the tour would be more appropriate for persons of ninth grade age and older.

It will begin at 1:30 p.m. near the information desk in the atrium of the Central Laboratory.

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"CHINATOWN"

Presented by Fermilab International Film Society

Friday, July 27, 8 p.m.

Central Laboratory Auditorium

Directed by Roman Polanski, this film is widely regarded as a classic study of political corruption of the thirties. Critics praised the 1974 movie, and it was in the running for the Academy Awards best picture of the year. Jack Nicholson and Faye Dunaway also earned critical acclaim for their performances in the film.

PG

131 minutes

Adults, \$1.50

Children, 50¢