

FERMILAB NEWS

 Fermi National Accelerator Laboratory

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ACTING DIRECTOR LIVDAHL MEETS THE PRESS

About a month after his appointment as Fermilab acting director, Philip V. Livdahl held an informal luncheon-press conference last week. A small group of area media representatives heard Livdahl comment on several Laboratory-related topics. Here are some edited excerpts from the meeting.

FINANCES

Q: What is Fermilab's funding situation?

A: Funding is marginal to carry on a program with the kind of vigor that was intended for this facility. It's inconsistent to be operating in a cut-back mode when we have a facility with advanced capabilities.

The mood of the government is to look carefully at all federally funded programs and to make substantial cuts. We will probably see the effects of that even more in the future. Fermilab was built using projections (that were included in the original proposal) of what the operating costs and physics programs would be. Those projections were made on a very realistic basis--programs operating at other laboratories--and the facilities were built accordingly.

However, funding has never been consistent with the projections. And effects of inflation and the fact that the projections were made 11 years ago haven't been taken into account.

EFFECTS ON RESEARCH

Q: Has underfunding affected the experimental program?

A: We're running about half the number of experiments and two-thirds the operating time possible. Scheduling of operations has been curtailed. For



example, the number of new experiments approved this year was only three out of the 41 proposals considered. If we were fully funded 10 or 12 experiments might have been approved.

Q: Are we losing experiments to other laboratories?

A: Yes. Experimenters who would under other conditions prefer to be doing their work here are making proposals to other facilities.

ENERGY DOUBLER PROJECT

Q: Is the Energy Doubler project advancing?

A: It is moving ahead as rapidly as possible. The President's budget contains \$10 million for it in FY'79 and action in Congress is pending. We have requested an additional \$10 million in FY'79 to speed the project's completion.

(Continued on Page 2)

LIVDAHL MEETS THE PRESS (Continued)

We hope that there will be a Congressional compromise between the bills that have already proceeded through Congress which carry additional funds for the Doubler and the Senate Appropriations bill which does not.

The project will go ahead; it's a question of how fast, and this will be determined by funding. If funds are reduced, at least an extra year will be added to the schedule.

FERMILAB PRIORITIES

Q: As acting director, what is your first priority for Fermilab?

A: It's clear to us that the Laboratory's long range future depends on the Doubler--and we're always looking at least three to four years down the road.

The Doubler is our most important development project, but it is closely coupled with the continuing operation of experiments. Both are top priorities involving different groups of people with different skills.

Another important project has great potential for the future. A new experimental facility--called a cooling ring--is in its final days of assembly.

The concept involves cooling a beam of protons with a parallel beam of electrons. Being able to do this will open up many possibilities for improving use of existing facilities and also evolve into more exciting physics using the Main Ring and the Doubler.

So, our second developmental priority is to launch experiments in the cooling ring and evaluate the results. Everything is in place to begin; we're very close to starting this important experimental program.

R. R. WILSON

Q: What is former Fermilab Director Robert Wilson's status at the Laboratory?

A: Dr. Wilson is currently working on the Doubler, finishing up design details. This fall he will teach at the University of Chicago but continue his Doubler work. Details of his continuing association with the Doubler program are being finalized. In any case, he will remain an active participant in Fermilab's future.

For all of us who have been his colleagues for so long this is very exciting because we recognize his important contributions in every part of the Laboratory. There would be a tremendous void here without him.

Fermilab Photography Department Presents
A BASIC PHOTOGRAPHY WORKSHOP

Thursday
Aug. 24 5:30 p.m. Auditorium

Unhappy with your snapshots? Learn how to improve your camera handling technique at a "Basic Photography Workshop" sponsored by the Fermilab Photography Department.

The free program is open to Laboratory employees, subcontractors and guests. Topics to be covered include:

- Film types and their uses.
- Camera purchasing tips.
- Why your pictures don't look right.

A slide lecture program will focus on 35 mm cameras and film. After the presentation, workshop participants will be invited to ask questions. Employees' slides

or prints that did not turn out as planned may be submitted to the Photo Department experts for an evaluation.

Free literature will be distributed.

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OPENINGS IN FAMILY TOURS

"Family Day" guided tours of Fermilab will be conducted Fridays, Aug. 18 and Aug. 25 starting at 10 a.m. in the Central Laboratory Atrium. Openings exist in both groups. The 90-minute program is for employee families and their guests.

Each group will be limited to 40 persons. To reserve a place, phone the Public Information Office at Ext. 3353.

Fermilab Recreation Department Presents
MAIN RING CANOE RACE IV

Sunday, September 24

1:00 P.M.

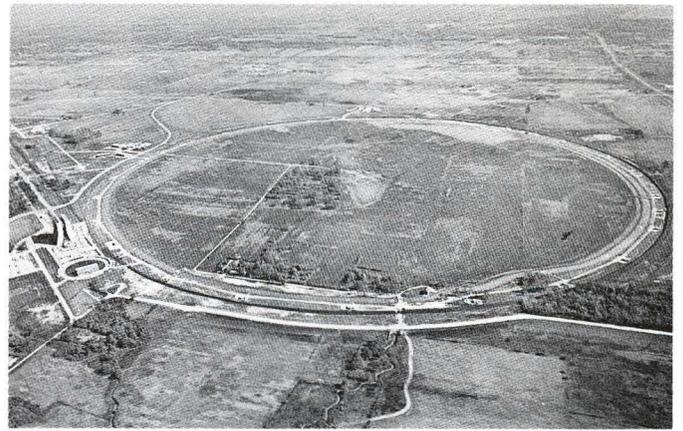
Employees, experimenters and sub-contractor family members/guests over age 14 are invited to enter the 1978 Fermilab Main Ring Canoe Race IV. The four-mile paddle will be held Sunday, Sept. 24 at 1 p.m. Canoes will launch every three minutes near the F-4 service building.

Canoeists will race clockwise around the Main Ring; the course is about evenly divided between Main Ring cooling ponds and natural waters.

Race Coordinator Larry Allen (Accelerator) says the route includes 15 portages. The first place team will be awarded individual trophies; runnersup will receive a plaque. One canoeist in each team must be a Fermilab employee or subcontractor employee. Racers must furnish their own canoes. Littering the ponds or site will be grounds for disqualification.

A record 13 canoes competed in the 1976 event. The race was suspended last year due to electrical construction in the Main Ring. Four Canadians, collaborators on Exp. 25 in the Proton area, collected all the 1976 prizes. J. Cumulat and G. Luste were champions with a record-setting time of 45:19. Second place finishers Jim Prentice and John Martin were close behind in 48:06.

Volunteers are needed to help conduct the race, Allen said. Timers, starters, safety wardens and others are being sought to make the event a success. For more information, interested racers/workers should contact Allen at Ext. 3721 or Helen Ecker, recreation manager, at Ext. 3126.



...Canoe race circuit: Fermilab four-mile ring...

Fermilab Arts Series Presents

"THE FINE ARTS QUARTET"

Saturday, September 9, 1978

8:30 p.m.

Fermilab Auditorium

Pianist Menachim Pressler will be guest artist with the "Fine Arts Quartet" in a performance at Fermilab on Saturday, Sept. 9. Tickets--\$4.00 each--are on sale at the Guest Office.

The program will include: Beethoven's Quartet in F minor, Opus 95; Brahms' Piano Quintet in F major and Bartok's Quartet No. 5.

An internationally known pianist, Pressler has performed worldwide as soloist and as pianist for the famed "Beaux Arts Trio." With them he has recorded almost all the piano trio literature for Philips. The artist is planning a South American tour after his premier at Fermilab.

The "Fine Arts Quartet" is one of the world's great ensembles. Member artists are: Leonard Sorkin and Abram Loft, violinists; Bernard Zaslav, viola; and George Sopkin, cello. Considered by critics around the world as one of America's best string groups, the quartet appears in Chicago and the area annually in series that are usually sold out.

All seats will be reserved. Only prepaid tickets will be held at the door. Tickets not paid for by 5 p.m., Thursday, Sept. 7, will be sold to the public. For reservations or more information, contact the Guest Office, CL-1W (Ext. 3124 or Ext. 3440).

NALREC Presents

FERMILAB FALL CORN ROAST

Featuring

BUFFALO CHIP THROWING CONTEST/HOG CALLING CONTEST

5:15 p.m.

Friday, August 25

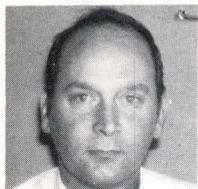
Village Recreation Area

Y'all come! Food, fun and unique contests are planned for a Laboratory-wide fall corn roast at the recreation area by the Village barn. Food and beverage service starts at 5:15 p.m. Fresh roasted corn, hotdogs, and beverages will be offered at a nominal fee.

After dinner, Fermilab athletes will perform. Fermilab's first buffalo chip throwing contest will be held. Contestants can choose their chips; gloves will be available. Trophies will be awarded for the longest throws in men's and women's divisions. A hog calling contest will give an opportunity for the Laboratory's best in that speciality to win a trophy.

The event is open to Fermilab employees, subcontractors and their families and guests. Admission is free. Glenn Lee and his committee of Brenda Moylan and Don Sorenson are making arrangements. Contact Brenda at Ext. 3648 for more information.

F.A.S.T. CLASS ANNOUNCEMENT



J.C. Humbert

Applications are being accepted for a fall Fermilab Applied Skills Training (FAST) class: Vacuum Technology I.

Ruth Christ, training officer, said the class will meet from 4 to 6 p.m. on Tuesdays and Thursdays from Sept. 2 through Nov. 2. Jim Humbert (Magnet Facility) will be the instructor.

The course will cover vacuum gauging, use of mechanical diffusion and ion pumps, gasketing and use and maintenance of leak detectors.

FAST classes are designed to strengthen the background of Fermilab mechanical and electronics technicians. Hands-on skills

are taught by Laboratory instructors onsite. FAST classes complement formal training available through the Fermilab tuition reimbursement program.

Applications are available in Personnel, CL-6E. Class size will be limited.

FAMILY BARN DANCE AUG. 19

The Fermilab Folk Club will hold a family barn dance Saturday, August 19, at 7:30 p.m. in the Village barn. Children are welcome. Refreshments will be available. Admission will be \$1.50 per person.

INTER/NATIONAL FILM SOCIETY PRESENTS

A Walt Disney Special

"20,000 LEAGUES UNDER THE SEA"

Saturday, August 19

10 a.m.

Fermilab Auditorium

Walt Disney's most fabulous and fantastic action film, "20,000 Leagues" is based on Jules Verne's 1868 adventure saga. Kirk Douglas, James Mason and Peter Lorre star in the 1954 color version. From the comfortable Victorian drawing room/control room of his futuristic submarine, the misanthropic Captain Nemo wages war against an entire fleet of battleships. The film won Academy Awards for its undersea special effects and art direction. 127 min./G rating. Admission: Adults, \$1.50; children, 50¢.