

FERMILAB NEWS

 Fermi National Accelerator Laboratory

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PAC MAKES RECOMMENDATIONS

The Fermilab Physics Advisory Committee has completed its summer meeting and has submitted a number of recommendations to the Director's Office.

The Committee met June 21-27 at Aspen, Colo., even holding some evening sessions to cover the extensive agenda. Committee members, aided by staff personnel, reviewed the Fermilab's high energy physics program in depth and evaluated individual proposals.

In addition to recommendations on individual proposals, the PAC made a number of general recommendations.

I

The Committee discussed the Laboratory's plans for external beams in the Tevatron era and strongly supports the position that there should be 1,000 GeV extracted proton beams that can be targeted in each of the three major research areas as soon as possible.

The bulk of Tevatron proposals considered by the Committee this summer involves beams in the Neutrino Area and, therefore, the Committee was not prepared to present a list of priorities involving other beams. Within the Neutrino Area, the Committee supports the provision of at least three different beams. In order of priority, the first three of these beams are: 1--a conventional neutrino beam suitable for electronic detectors; 2--a prompt neutrino beam suitable for the 15-foot bubble chamber and electronic detectors; 3--the proposed high quality muon beam. Special efforts to run the 15-foot bubble chamber for conventional neutrino physics would be at a lower priority.

II

A Canadian group and a Nevis Laboratory group have each expressed interest in building an electron storage ring of 10-15 GeV tangent to the Tevatron Ring. The prospect of colliding 10 GeV electrons and 1,000 GeV protons is exciting and the Committee encouraged serious study of the opportunities. It is premature, however, the

Committee felt, to comment further before the proposals are made more explicit, both on technical matters and in regard to the load on the Fermilab staff, funds and rest of the program. For the immediate future, they recommended that Fermilab's resources should not be diverted from the Tevatron construction, the fixed target program and the proton-antiproton collider. The Committee expects that decisions about the electron-proton collider and the experimental program would follow detailed technical reviews and that PAC guidance will be sought.

III

The facility should be sufficiently well-equipped with both hardware and the personnel so that an approved experiment can be implemented quickly. The usefulness and spirit of such a facility would be lost if several approved experiments were waiting to run, so approvals essentially should be sequential. The new facility should not displace the present test beams nor should it be considered as a test beam.

The Committee endorses the spirit of the Laboratory's proposal to develop a facility for carrying out modest experiments on a very short time scale. Proposals for using such a facility should be considered by the PAC.

IV

The Committee endorses the 400 GeV program (as presented to it) with three running periods between November 1980 and May 1982. However, in case the second running period (March to June 1981) has to be altered because of financial constraints, then the priorities in the program are such that the run starting in November 1980 should proceed as scheduled.

Furthermore, the Committee concurred with the stated policy of the Laboratory that during the transition period between the 400 GeV and 1,000 GeV operation, an effort should be made to operate the accelerator periodically to maintain a flow of physics results. (See list of PAC members on page 2.) * * * * *

NEW APPROACH BEING ADOPTED
FOR EMPLOYEE MASS MAILINGS

Fermilab is adopting a new approach to internal employee mass mailings, one that will result in savings in paper, duplicating and distribution costs.

The idea originated with Dan Moline, an electrical design draftsman with the Electrical-Electronics Group, Accelerator Division. Moline felt there was a waste of manpower, paper and time, and consequently money, in sending announcements about Fermilab activities to each employee. He believed there was a better way, a more efficient way, and he presented his views at a recent meeting with Bruce Chrisman, Fermilab business manager, and Chuck Marofske, head of Laboratory Services Section.

In an interview with FERMINES, Moline pointed out that he was distinguishing between announcements about recreation and general activities and those, for example, about safety or employee benefits. Each employee should have a copy of these latter communications, he said, because they are extremely important to an employee's health and welfare.

After the discussion, Chrisman and Marofske agreed to take the following steps. "Since most of the announcements involve recreation and general events, we want to discontinue flyer mailings on these activities," explained Marofske. "We will use the general bulletin board postings. Chrisman will alert the mailroom to watch for general announcements and advise him of such distributions. Duplicating will call any requests for mass mailing reproduction to my attention."

"To get the information out, we will also expand the coverage of these events in FERMINES," said Marofske. "Rather than carrying general announcements of upcoming events, we believe it would be more effective for FERMINES to interview the event chairperson and carry more coverage of these employee-oriented activities," Marofske added.

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CHEZ LEON

The restaurant is now open.

Please call, Ext. 3524, for menu information and reservations.



Railroad crossing just east of the Batavia Road entrance.

BATAVIA ROAD TRAFFIC TO BE RESTRICTED

Traffic on Batavia Road just beyond the east entrance will be restricted July 21-25.

For those five days, the E.J. & E. Railroad will remove and reconstruct its railroad crossing. The five-day timetable calls for one-lane traffic Monday (July 21); the road closed to all traffic at that point for 24 hours beginning at 8 a.m. on Tuesday (July 22); then, starting Wednesday (July 23) one-lane traffic again for the remainder of the construction period.

Fermilab employees are urged to use the other entrances during this period at Pine Street, Eola Road and Wilson Street.

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PAC MEMBERS

Members of the Fermilab Physics Advisory Committee include Charles Baltay, Columbia University; Edmond Berger, Argonne National Laboratory; Karl Berkelman, Cornell University; Wit Busza, Massachusetts Institute of Technology; William C. Carithers, Lawrence Berkeley Laboratory; Myron Good, State University of New York; James E. Pilcher, Enrico Fermi Institute, University of Chicago; and Lee G. Pondrom, University of Wisconsin.

Also Frederick J. Gilman and Martin Perl, both with the Stanford Linear Accelerator Center, and Roy F. Schwitters and Edward Witten, both Harvard University.

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HAMPTON RUNS JULY 4 MARATHON

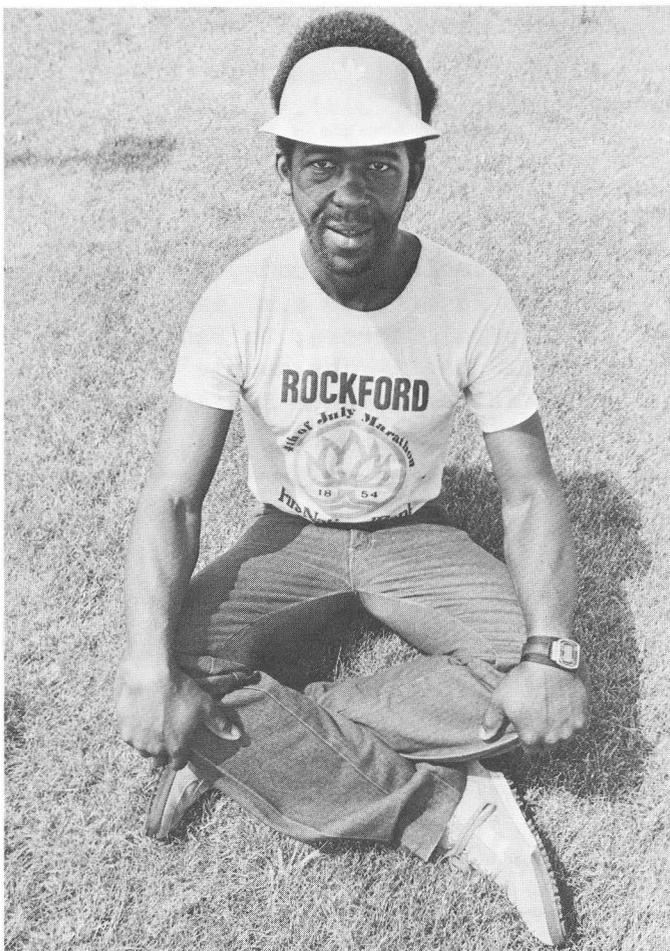
Watch out for Dwaine Hampton. He's definitely a comer.

Hampton ran in the Third Annual Rockford July 4th Marathon, a distance of 26 miles and 385 yards. He finished 158th with a time of 3 hours, 44 minutes, 24.9 seconds. Starting that race were 357 runners.

It was Hampton's second marathon and tenth race for the year. Last year in October he ran the Chicago marathon, finishing that distance in 5 hours, 41 minutes, 35 seconds. He works in the Receiving Department and has been with Fermilab for nearly four years.

When the weather permits, he runs from the Receiving Department to the Main Ring, once around the Ring, then back to the Receiving Department. But that's not all. Whenever he can, he rides his bicycle from Justice, Il., his home, to work and back home again--a distance of 70 miles round trip.

He's constantly in training and is now preparing for the fall marathon in Chicago.



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Picnic Committee members (L-R) Jo Baaske, Jean Plese, Jesse Guerra (behind Plese), Chuck Grozis, Ed LaVallie and Keith Schuh.

WHAT'S THREE DAYS AWAY?

This coming Sunday (July 20) make way for NALREC's annual family picnic.

It'll run from 11 a.m. to 6 p.m. on the grounds near the Barn and the pool. It's the only day in the year when 25 cents will buy a huge chunk of fried chicken, baked beans and potato salad.

The nationally-recognized Joliet American Legion band will perform in concert. Fermilab's own Barnstormers have arranged for an air show that will demonstrate the remarkable maneuvers of radio-controlled model planes.

The timetable: 11 a.m., picnic and rides begin, beverages, ice cones, cotton candy and popcorn available; 11:30 a.m., food service begins; noon, first door prize is awarded and subsequent prizes are awarded each one-hour until the picnic ends at 6 p.m.; 1 p.m., prize booth activities begin, Teen Town opens at the Barn, pony rides, radar ball (on east baseball field) and make-up booth start.

Also, 1:30 p.m., concert begins; 2 p.m., cakewalk starts; 3 p.m., model plane show opens (east side of Blackhawk.)

The prize booths include a poster toss, hula hoopla, bean bag, dart balloon and ticktacktoe. Food and beverage tickets are available at the ticket tent and ride tickets can be obtained at the ride ticket booth.

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REMINDER ABOUT LECTURE

Two distinguished scientist-educators will give the next Science and Human Values lecture at Fermilab July 25.

Harvey Brooks and John R. Holdren will speak on "Energy in Transition," in which they will give two views of future life styles. Brooks is professor of technology and public policy at Harvard University, and Holdren is head of the energy and resources program at the University of California-Berkeley. Their presentation will begin at 8:30 p.m. in the Central Laboratory auditorium.

Both men are members of the National Academy of Science's Committee on Nuclear and Alternative Energy Systems. Brooks is co-chairman of that committee. While agreeing on many aspects of the energy program, the two scientists do differ in some critical areas, and this will be brought out at the lecture.

The lecture series is co-sponsored by Fermilab, Illinois Humanities Council and the National Endowment for the Humanities. All lectures are free, but admission is by ticket. For reservations, call Ext. 3353.

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SOFTBALL LEAGUE STANDINGS ON JULY 11

<u>Team</u>	<u>Won</u>	<u>Lost</u>
Power	8	0
Bushwackers	7	1
D V 8's	5	3
Ice Men	3	5
Satellites	3	5
Downtime 95	3	5
Bubble Chamber	2	6
Gamblers	1	7

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SPECIAL NOTICE ABOUT CAFETERIA

The Cafeteria in the Central Laboratory will be open this Sunday (July 20) for breakfast only. The hours will be 7:30 to 10:15 a.m. The regular hours were modified because Fermilab's annual family picnic will be held in the Village that day from 11 a.m. to 6 p.m. (See story on page 3.)

HAZARDOUS MATERIALS SEMINAR TO BE HELD HERE

A seminar on hazardous materials will be held July 22 at Fermilab from 9 a.m. to 5 p.m. Employees who would like to attend should first get approval from their supervisors. They should preregister by calling Emergency Services, Ext. 3494.

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HOUSING DEADLINE NEARS

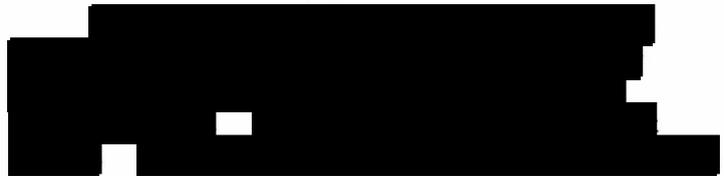
July 25 is the deadline for applications for fall on-site housing to be in the Housing Office.

Housing assignments are based on the expected running schedule. Responses to requests will be mailed the week of Aug. 8, and occupancy can begin the week of Sept. 1.

For additional information, call the Housing Office, Ext. 3777.

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BIRTH



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"THE TWELVE CHAIRS"

Presented by the Fermilab International Film Society

Saturday, July 26

8 p.m.

Central Laboratory Auditorium

A delightful comedy about an impoverished nobleman, a charming rogue and a village priest who travel across Russia, Siberia and the Crimea in search of hidden jewels. Time after time they are thwarted as only director Mel Brooks could tell it.

Color

94 minutes

Rated G

Adults, \$1.50

Children, 50 cents