

FERMILAB NEWS

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GASOHOL TO POWER FERMILAB VEHICLES

The future is here today at Fermilab, the first national laboratory to begin using gasohol to power all of its vehicles.

Gasohol is a mixture of 10% ethanol and 90% gasoline. The decision to switch to gasohol was made as part of Fermilab's on-going efforts to continue to conserve energy.

A memorandum from James R. Schlesinger, energy secretary, on the reduction of energy use by the federal government says, "I also would like each office to reduce vehicular consumption of petroleum products at an annual rate of 10%."

Schlesinger's memorandum is a reaction to a memorandum from the President urging energy conservation and in particular "reducing petroleum use."

The move to gasohol is a major step toward meeting Schlesinger's request to cut back gasoline consumption 10% on the Fermilab site, said John Colson, manager of Support Services. From February 1978 through January 1979, the Laboratory used about 175,000 gallons of gasoline.

Fermilab purchases the ethanol in large quantities and then mixes it with gasoline on the site. This in turn is dispensed into the various vehicles.

The initial large purchase of ethanol came from Technical Industrial Petroleum Products Co. of Peoria, Ill. Future supplies will come from a plant in Pekin, Ill., that will process 12,000 bushels of corn each day to make the product for use in Illinois, said Colson.

Persons who used gasohol in motor vehicles have reported improved mileage for each gallon, improved engine life and less wear and tear on the motor. However, Colson has conducted his own performance tests to determine the effect gasohol has on Fermilab vehicles. For the past three weeks he and members of his staff have been running one Fermicab and one fork lift truck on gasohol with positive results.

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...Ethanol from manufacturer to Fermilab storage tanks. L-R are truck driver Arnold King, John Colson, John Cooper of the Site 38 stockroom, Gene Guyer, Fermilab stores supervisor, and Dick Lundy, business manager...



...Gasohol from storage tanks to Fermicab is pumped by driver Dave Hornback...

BUDGET STRAINS FERMILAB'S OPERATION

Unanswered questions about the availability of budget money is causing Fermilab to adopt severe austerity measures, Philip Livdahl, acting director, told those attending the April 2 experimenters meeting.

In a terse statement about Fermilab's immediate future, Livdahl said Congress allocated \$12 million for Energy Doubler construction for fiscal year 1979. However, a number of check points inserted by the Department of Energy concerning the transition from an R and D to a construction program has impeded the flow of funds.

The Laboratory has asked for an additional \$8 million and has been assured that efforts are being made in Washington to provide \$5.5 million of this request, he told the scientists. One operating budget problem is that most, if not all, of the remaining \$2.5 million must be recovered out of the last seven months' Laboratory operating funds.

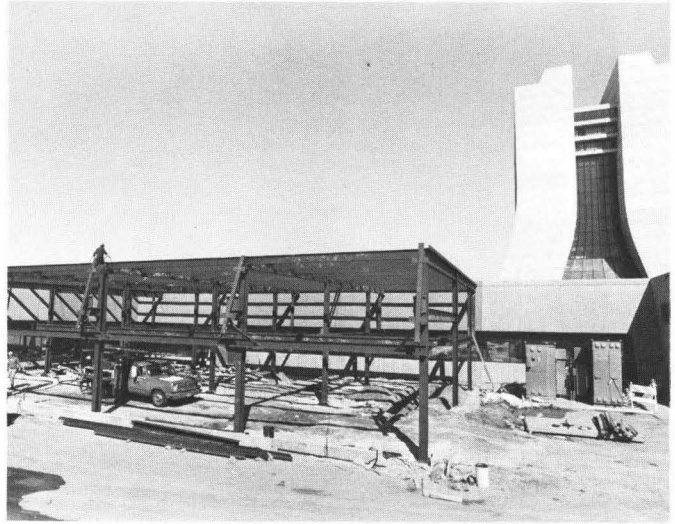
Overall, these budget constraints have led to substantial reductions in normal laboratory programs.

Livdahl told the experimenters the Laboratory is in a phase one austerity program, which he believes is all that is required for the present. This phase includes extending the planned shutdown of the accelerator to May 24. However, he did not rule out additional cutbacks and extension of the phase one mode if money is slow in coming.

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...Sign of Spring...



...Cross gallery addition...

CROSS GALLERY BEING EXPANDED

The cross gallery is getting a new look.

A 7,900 square foot addition is being constructed at the gallery's west end on the south side. Construction is expected to be completed in early to mid-May, said Bruce L. Chrisman, executive assistant in the Acceleration Division, but because of the harsh winter the timetable may be pushed back somewhat.

When finished, it will contain 2,500 square feet of mezzanine space for electrical drafting, and 5,400 square feet on the first level for centralizing radio frequency work, such as rf cavities and rf power amplifiers, said Chrisman.

A mirror image of the building will be constructed at the other end of the cross gallery. Work on this structure is expected to start near the end of April or in early May. The mirror image building--as it's being called in the gallery--will serve as an expansion for the mechanical work area. The new structure also will allow the Accelerator Division to centralize its energy saver refrigeration effort, said Chrisman.

The new construction reflects Fermilab's continuing effort to improve the working conditions of its employees, said Chrisman.

John M. Kidd of Architectural Services is the project architect. The general contractor is Roselaine Construction Co., Inc., of Batavia.

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CEPEDA NAMED ASSISTANT OMBUDSMAN

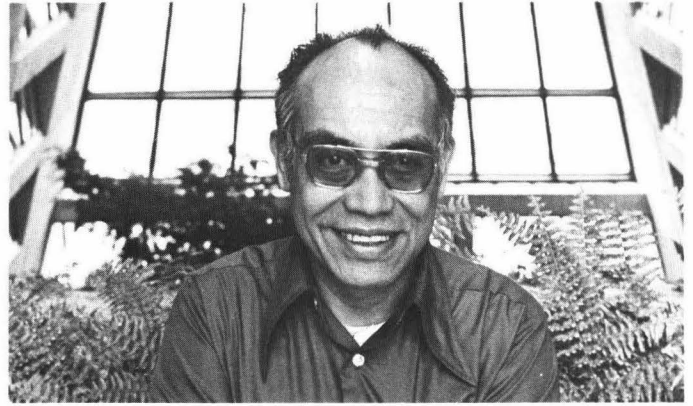
Saul Q. Cepeda describes himself tersely as a man who "likes to get involved."

He is Fermilab's new assistant ombudsman. In making the announcement, Philip V. Livdahl, acting director, said, "Cepeda's experience at the Laboratory, coupled with his interests and demonstrated skills in dealing with people, were a prime reason for his selection. They are the qualities which I believe will enable him to serve well in this position."

Cepeda's appointment became effective April 1 and will continue through Sept. 30, 1979. The ombudsman position at Fermilab was established as a means to speed up and improve communication between individuals and groups within the Laboratory. In essence, the ombudsmen listen to problems within management and attempt to open up channels of communications that will ultimately lead to just and viable solutions. Chief ombudsman is Betty Fay and senior ombudsman is Paul Brindza.

Cepeda also described himself as a "very impartial person, one who looks into every detail and studies every problem to the fullest."

He also is a man who shares his life avidly and to the fullest with his community. He is the founder and first president of the Pan American Center in Aurora and a charter member of the Aurora Urban League. He was



the chairman and later appointed regional director of the Illinois Migrant Council. Cepeda also was active in the Kane County Community Action Agency and the American G.I. Forum. He was a member of Knights of Columbus and was a Boy Scout leader. Presently, he is working as an appointed voluntary probation officer with the Circuit Court of the 16th Judicial District.

The new appointee has traveled "almost all over the world," and this, Cepeda believes has "helped me deal with many kinds of people." He served for 12 years with the U. S. Army, his last assignment being with the Signal Corps.

Cepeda joined Fermilab on Aug. 20, 1973. He and his wife, Bertha, have eight sons and two daughters. When he has time-- which hasn't been too frequent lately-- Cepeda enjoys painting in oil, with still life among his favorite subjects.

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PROMINENT RESEARCHER NEXT SIGMA XI SPEAKER

Dr. James E. Bowman, professor in the department of pathology at the University of Chicago, will deliver the Sigma Xi lecture April 19.



His talk about "Genetic Screening Programs and Public Policy" will begin at 8:15 p.m. in the new science building lecture hall at Wheaton College. It will be preceded by a dinner at 6:30 p.m. Although his lecture is free and open to the public, the charge for the dinner, which will be held in the Wheaton College dining hall, is \$6 for each person.

Reservations for the dinner may be made

by calling Lorraine Whaley in the Wheaton College department of biology, (312) 682-5137 by April 16.

The lecture also is part of the Wheaton College science symposium which is scheduled for April 19 and 20 at the college.

Dr. Bowman is director of the Comprehensive Sickle Cell Center as well as a professor of medicine and member of the Committee on Genetics and the College.

Dr. Bowman was awarded his M.D. degree from Howard Medical School. Presently he is conducting research on the social and legal aspects of sickle cell programs.

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SPORTS ACTIVITIES ABOUND FOR THIS YEAR

A number of activities to test a person's interests, endurance and skills, have been planned for this spring-summer session.

They include tennis lessons, a tennis challenge competition, golf, swimming and swimming lessons at the site pool.

Helen McCulloch, recreation coordinator, has information on all of these activities. She can be reached at Ext. 3126.

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CANADIAN BRASS TO GIVE CONCERT HERE

The highly acclaimed Canadian Brass will give a concert at Fermilab April 28.

It will begin at 8:30 p.m. in the Central Laboratory auditorium and will consist of a combined program of Baroque music and jazz.

Each reserved seat is \$4. Reservations may be made by calling the Guest Office at Ext. 3124.

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67 DONATE BLOOD

Sixty-seven persons donated blood April 4 to the Aurora Area Blood Bank. It was the first of three blood drives planned for this year at Fermilab. The other two have been set for Aug. 15 and Dec. 19.

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BUS TRIP PLANNED TO BASEBALL GAME

Baseball enthusiasts can watch the Chicago Cubs battle the Pittsburgh Pirates at Wrigley Field May 20.

NALREC has arranged for a bus to leave the Central Laboratory at noon that day. Included in the \$8.50 price for each person are transportation, box seats and drinks and sandwiches on the bus.

Only 76 tickets are available. They will go on sale in the cafeteria April 19 and 20 from noon to 1 p.m.

No advance registrations will be accepted. For additional information, call Pat Yost, Ext. 3441, or Don Sorenson, Ext. 3087.

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EASTER EGG HUNT TWO DAYS AWAY

The Easter bunny will be there. So will children ages 2 through 8. And so will hundreds of colorful eggs carefully hidden.

In just two days, on April 14, the youngsters will be hunting for the eggs during NALREC'S annual easter egg hunt. The fun will begin at 1 p.m. in the Village Barn.

For additional information, contact Jane Pesetski, Ext. 3646.

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Inter/National Film Society Presents

"WALKABOUT"

Friday, April 13

8 p.m.

Fermilab Auditorium

This sensitive film, directed by Nicholas Roeg and produced by Si Litvinoff, is the story about two European children who are abandoned in the Australian outback by their deranged father. The youngsters are found by a young aborigine boy who helps them survive.

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Color

Admission: Adults..\$1.50 Children..50¢