

FERMINES

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HIGH SCHOOL STUDENTS JOIN FERMILAB STAFF FOR SUMMER

Six high school students from Aurora are learning about science and engineering as they work shoulder to shoulder with members of the Fermilab staff.

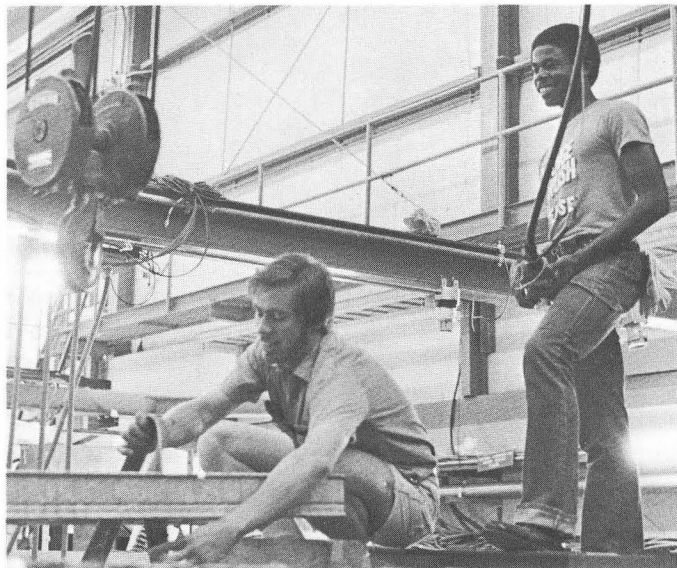
They are here under a summer research apprenticeship program sponsored by the Department of Energy's Office of Energy Research, 10 department laboratories and three universities.

The six young men and women who will be here until Aug. 8 and the scientists they are working with are Kevin Jenkins, assigned to Jeff Gannon; Elsie Wright (Stephen Pordes); Narda Coronado (Moyses Kuchnir); Harland Browning (Ray Yarema); Jose Principe (Garvie G. Hale); and Steve Walters (Tom Nash). They all will be either juniors or seniors at their respective high schools.

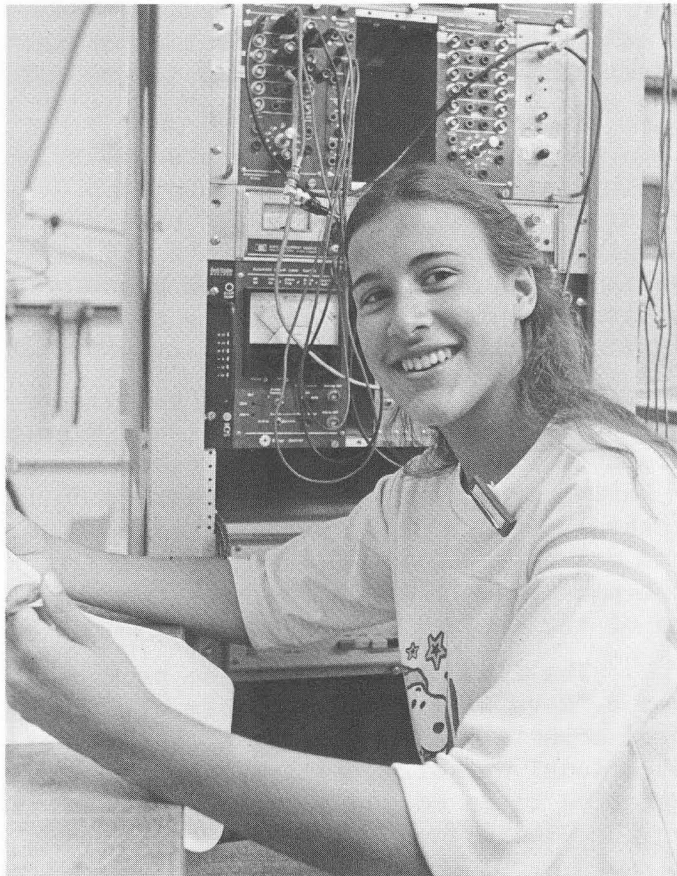
Fermilab's participation is actually part of a larger program that includes 24 minority high school students in Chicago. Those students, under the leadership of a coordinator and three teachers, are using the facilities at Dunbar High School. Lauta Price-Joyner, head of the Equal Employment Opportunity Office at Fermilab, is supervising both the Chicago and Fermilab aspects of this program.

This is the first time Fermilab has participated in this program, said Price-Joyner. "We want to reach those minority students who demonstrate an interest and aptitude in science and engineering," she explained. "Through such summer career experiences as this one they now are involved in, we hope to whet their appetites and solidify their interests, so that when they do go on to college, they will not have vague notions of what science and engineering are. Our ultimate aim, of course, is to produce more minority scientists and engineers in the coming years."

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Steve Walters (right) and Henry Schram of the Proton Department. The photograph was taken in the Tagged Photon Laboratory.



Narda Coronado

AN EVENING OF CHICAGO'S COOLEST JAZZ

by Ruth Ganchiff

Entertainment Editor

Tickets for the July 19 Jazz Showcase are going fast. Co-sponsored by the Jazz Institute of Chicago and the Fermilab Auditorium Committee, the Showcase will feature three of Chicago's brightest jazz groups.

They are The Chicago Hot 6, Don De Micheal-Chuck Hedges Swingtet and Wilbur Campbell's Bebop Allstars. Each group has a distinct historical perspective, but each plays sparkling, lively jazz.

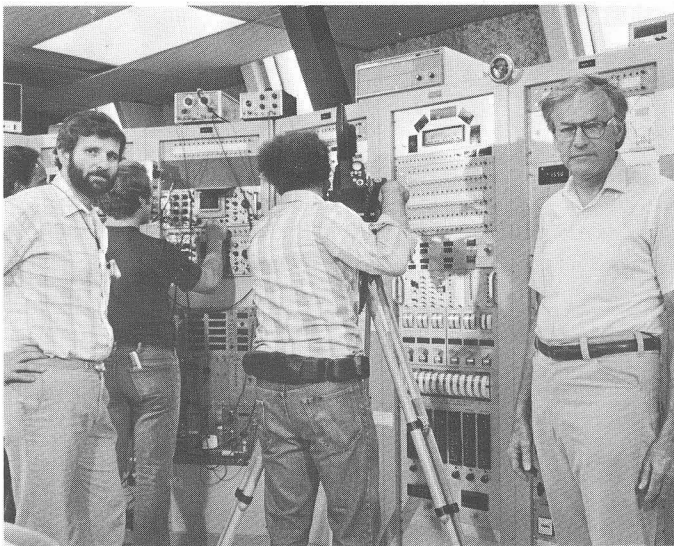
The Chicago Hot 6 plays New Orleans jazz with emphasis on individual improvisation. Their approach captures the excitement of creations as the musicians embellish the harmonic and rhythmic structure.

The Swingtet builds on the steady, swinging rhythm born in the 1940s with the Benny Goodman sextet. Again, there is freedom to improvise, built around different rhythms.

The Allstars move in musical time to the period following World War II. Here the musicians weave their harmonic patterns around a structure that represents a dramatic break from that associated with traditional jazz and swing.

George Spink, host of Swing Shift on WBEZ (91.5 FM), will be the master of ceremonies.

The program begins at 8:30 p.m. in the Central Laboratory auditorium. Tickets at \$5 each may be obtained at the ticket sales desk, Public Information Office, CL1-W, Ext. 3353.



Jack Fry (Right, facing camera) and Barry Stoner (facing camera) pause for a moment in their shooting schedule. Between them is Frank Boll, cinematographer. The photograph was taken in the bubble chamber control room.

NOVA PROGRAM TO FEATURE FERMILAB USER

William Frederick "Jack" Fry, professor of physics at the University of Wisconsin, proudly admitted to his "other personality."

"I spend half my time making fiddles," he said. He also teaches acoustics at the university and is "applying physics to determine what makes a great violin."

The other half of his personality, the physicist one, takes him deep into the study of neutrinos. He is presently a collaborator on experiments 546 and 613 and is a member of the team that has submitted a proposal to Fermilab to study neutrino oscillations.

And that's why Fry and a television filming crew from WHA-TV in Madison, Wisc., were at Fermilab June 24. The crew, headed by Barry Stoner, producer-director, made films of the 15-foot bubble chamber area, control room and the Neutrino Area and then took some panoramic shots of the site from the top of the Central Laboratory.

The final product will be packaged into a "Nova" show that probably will be aired sometime in the spring of 1981 over educational networks, said Stoner. The tentative title of the show is "The Search for the Violin."

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Chicago Hot 6 in performance.

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SPECIAL NOTICE ABOUT CAFETERIA

The Fermilab cafeteria in the Central Laboratory will be closed all day tomorrow, Friday, in observance of the July 4th holiday. Service will resume July 5.

ALBRIGHT MANAGES GUEST OFFICE FOR SUMMER

Cindy Albright, president of NALWO, is managing the Fermilab Guest Office, CL1-W, during the summer vacation period.

She is taking the place of Joan Bjorken, Guest Office manager, who will be returning to her duties Aug. 14. Albright has been president of NALWO for the past two years. She was a science teacher for 13 years. Her husband, Carl Albright, is on the faculty of Northern Illinois University, but conducts his research in theoretical physics at Fermilab.

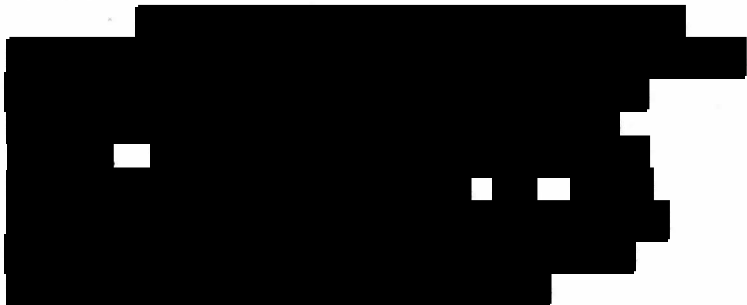
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CALL FOR FALL HOUSING REQUESTS

The Fermilab Housing Office is requesting that reservations for fall on-site housing be in their office no later than July 25. Responses to applications will be mailed out the week of Aug. 8, and occupancy can begin the week of Sept. 1. For additional information, call the Housing Office, at Ext. 3777.

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BIRTH



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NEW IN THE LIBRARY

"Understanding People at Work,"
Thomas L. Quick.

"The Master of Light: A Biography
of Albert A. Michelson," Dorothy M.
Livingston.

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Only seconds away from take-off are (L-R) Pat Franklin, Greg DeGraaf, Ed Podschweit, Ed Kukulski, Tom Dailey, Alan Nebola and Joel Misek. The starter is Don Mizicko.

THE BIG RUN

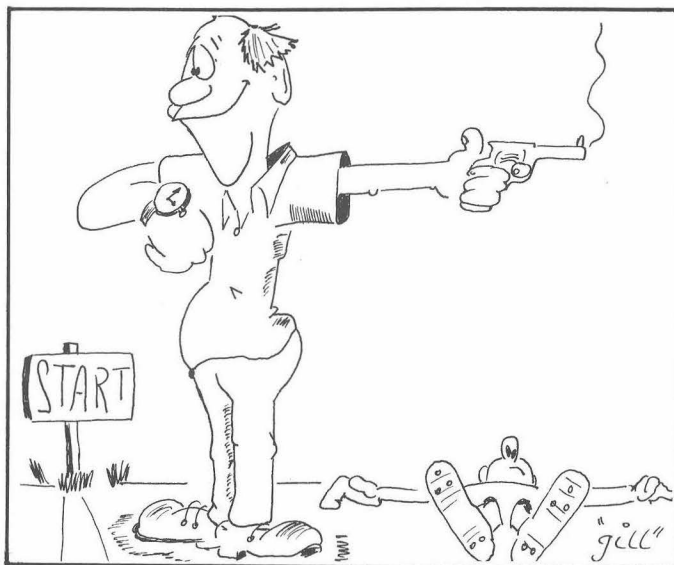
They called it "The Big Run."

Members of the Internal Target Group went all out last month (June) to show envious competitors what a Main Ring marathon is all about. Starting at C-0, the seven-man team ran once around the track for a total time of 3 hours, 27 minutes and 52 seconds for the 26.6 mile distance. (Seven runners each finishing 3.8 miles.)

Ed Podschweit flew around it in 22:02. He was followed by Ed Kukulski at 25:28; then came Greg DeGraaf, 27:25; Pat Franklin, 28:09; Alan Nebola, 32:43; Joel Misek, 32:53 and Tom Dailey, 39:12.

They are quite proud of their performance and have extended a challenge to other groups to beat that time. Their eye is particularly on the Director's Office led by that inveterate runner, Leon Lederman.

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**SPECIAL ANNOUNCEMENT
ABOUT AIR CONDITIONING**

The air conditioning in the Central Laboratory will be turned off for maintenance purposes July 12 from 6 a.m. to 6 p.m. The only exceptions are computer areas. Outside air will be used during that time to ventilate the building. Chilled water will not be available for cooling.

NEW CARS HAVE VISIBILITY AND ECONOMY

There's something different about the five new security vehicles now running around the site.

They are more fuel efficient than their predecessors, and with that bright yellow color, they are highly visible. Operated by Emergency Services, the vehicles still meet all the police and security requirements, said Bob Armstrong, head of security.

With a 4.2-liter engine, the vehicle's estimated EPA performance in city stop-and-go driving is 18 miles per gallon; on the highway, 26 mpg. "We certainly anticipate saving on fuel," said Rudy Dorner, head of Emergency Services, "but it's just too early to determine yet what those savings will be. The important point to note is that the Laboratory is continuing to do its part in fuel and energy conservation."

The five-vehicle force is augmented by two tricycles. These were introduced last year and proved a successful means of patrolling specific areas, Armstrong said.

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Members of the Field Museum toured Fermilab recently as part of the Museum's weekend tour program. Describing the Fermilab prairie restoration project to the visitors were Polley and Dave Cosgrove (Left), chairman of the Fermilab Prairie Volunteers Committee.

FRESH LOOK FOR RECREATIONAL FACILITIES

With the recent completion of a new tennis court in the Village, tennis buffs now have three courts on which to play.

To make way for the new tennis court, the old basketball court was relocated, and it is now ready to use, reported Helen McCulloch, Fermilab recreation coordinator.

She urged employees and users "to please wear proper footwear when playing on these courts. The best choice is tennis shoes." McCulloch also said that "roller skating is not allowed on the courts."

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"BREAD AND CHOCOLATE"

Presented by Fermilab International Film Society

Friday, July 11

8 p.m.

Central Laboratory Auditorium

Directed by Franco Brusati, this engaging film "glows with intelligence. Its greatest asset is, unquestionably, Nino Manfredi, who brings a mixture of yearning poignancy and comic resilience to the leading role, making Nino somewhat resemble Charlie Chaplin's jaunty tramp," wrote Kathleen Carroll in the New York Daily News. The story revolves around an Italian worker--played by Manfredi--in Switzerland attempting to earn a meager living the Italian economy is unable to provide him. His mishaps become increasingly degrading, yet he refuses to leave as he slips lower into the economic and social depths. (Italian with English subtitles.)

Color

96 minutes

Rated PG

Adults \$2, Children 50 cents