

# FERMILAB NEWS

 Fermi National Accelerator Laboratory

Operated by Universities Research Association Inc.  
Under Contract with the United States Department of Energy

Vol. 4, No. 2

January 8, 1981

## TWO STUDENTS JOIN FERMILAB UNDER COOPERATIVE EDUCATION PROGRAM

Two college students have joined Fermilab as part of the Laboratory's new cooperative education program.

They are the first two students to participate in the program here, said Jim Lasenby, the program's coordinator and personnel administrator at Fermilab. The young man and woman began working here as regular employees Jan. 5 and will remain until the end of May. Through this cooperative education program, a student "integrates academic studies with productive supervised work experiences," explained Lasenby.

Julie Prince, a junior at the University of Illinois-Champaign, will be working with the Research Division in its Research Services Particle Instrumentation Group under the supervision of Tom Droege. Mark Schooler, a sophomore at the Illinois Institute of Technology, will be with the Accelerator Division Controls Group. His supervisor is Robert Ducar. Julie and Mark are pursuing careers in electrical engineering.

When their employment here ends, two more college students will be brought in to participate in the program, Lasenby said. It's a continuous, ongoing program, he added.

One of its key objectives is to "provide on-the-job training that will supplement the academic training for a selected number of students each year, primarily those who are pursuing academic training in engineering," said Lasenby. He went on to say that by "implementing this program, the Laboratory strengthens its ability to recruit and develop outstanding employees as well as assuring its future growth and success."

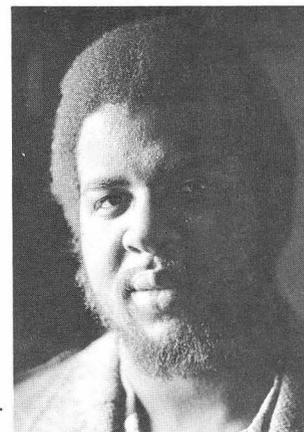
The concept had its beginnings in 1906 when the University of Cincinnati sought to blend academic and work experience.

\* \* \* \* \*

## SPIRES FIRST GRADUATE FELLOWSHIP RECIPIENT

Larry Douglas Spires has been selected as the first recipient of Fermilab's graduate fellowship program for minority students.

A Laboratory employee, he is now on a leave of absence to work toward his doctorate in physics at the University of Illinois, Urbana-Champaign campus. During



*Spires*

the spring-summer breaks, he will return to Fermilab to continue his work and his studies as part of the fellowship program.

Fermilab, in collaboration with all of the institutions that make up Universities Research Association, Inc., is sponsoring this joint fellowship program in physics for minority students. The fellowships will cover tuition and fees. Fermilab will supplement the available university stipend to a total of \$600 each month and will provide summer employment for the fellows, explained Frank Cole, fellowship coordinator.

"The fellowship will allow students to be free of teaching or laboratory assignments, particularly in the difficult first year of transition to a new school at a new level," said Cole. It can be renewed up to four years.

"Students in the program will be admitted to the universities by the usual procedure," Cole continued. "Fermilab will help the students in making application to the graduate school of their choice and in evaluating their preparation. Each student in the program will have a Fermilab scientist assigned as an advisor to aid his progress in graduate school." (Cole had been working closely with Spires.)  
(Continued on page 2)

(Continued from page 1)

Students who are interested in the program should apply during their junior year by Feb. 1. "It is expected that students interested will be employed for the summers in the Fermilab summer program doing laboratory work, in part as preparation for graduate school," said Cole.

The fellowship coordinator can be contacted by writing to him at Fermilab.

Spires, who described this coming episode in his life as "a new ball game," earned his master of science degree in physics in May 1978 from Howard University, Graduate School of Physics, Washington, D.C. Mississippi Valley State University, Itta Bena, MS, awarded him his bachelor of arts degree in physics and mathematics two years earlier.

He had been with the Physics Section at Fermilab since February 1980. As a laboratory assistant, he was responsible for technical analysis of state-of-the-art electronics, particle detection devices and logical schematics. He was a member of Experiment 610.

Before joining Fermilab, Spires was with the Department of Commerce, Washington, D.C., as a physical scientist. He had been with them since November, 1978.

In 1972 and 1974, he was selected by the Pepsi Cola Company as the "most Academic Athlete." The following year, he made the All Southwestern Athletic Conference football selections as a center. In 1976, his name was added to "Who's Who in American Colleges and Universities."

He also is a member of the Sigma Pi Sigma National Honor Society, founder and chairman of Howard University's Scientific and Technical Leadership Enterprise and president of the Mississippi Valley State Eastern Regional Alumni Association.

Spires also studied at the College of William and Mary and the University of British Columbia. The title of his master's thesis is "The Production and Relaxation of Muonium in Catalytic Oxides." While he was with the Department of Commerce, he was a member of an interdisciplinary team of scientists who were seeking to assess the impact of pollutants and offshore developments on marine environments.

\* \* \* \* \*

## OVER THE EDGE WITH JULIE

In a recent issue, an editor wrote, "This is the 561st 'first story' to be published by Ellery Queen's Mystery Magazine...in its own way, a kind of riddle story..."

"The author, Julie Theriot, is 12 years old--no, that is not a typographical error...What can we expect from Julie Theriot in years to come? We look forward eagerly to her second story..."

And Julie wrote the editor, "I am 12 years old and in the eighth grade. I live with my mother, father, sister and pet parakeet. My hobbies include fortune-telling, writing, and, of course, reading, especially Agatha Christie, John Dickson Carr and Ellery Queen."

What had just happened, of course, is that Julie had sort of become an instant local celebrity when "the world's leading mystery magazine" published her story entitled "Over the Edge," just over a page long. Indeed it is a mystery, leaving most readers baffled until the very last 11-word sentence. Then many readers probably went back to read it again to see if the story makes sense. It does, once you know the ending.

In fact, it's so good and so riddle-like, that a professional magicians magazine received permission from Ellery Queen and Julie to reprint the story. Once you read it, you'll understand why those editors reprint it in their publication.

Julie, in the meantime, has turned away many offers to appear on local radio stations. She didn't even want to pose with her dad for a photograph for FERMINES. Her dad? Oh yes, he's Dennis Theriot of the Neutrino Department. But then, he's no longer the star of the family.

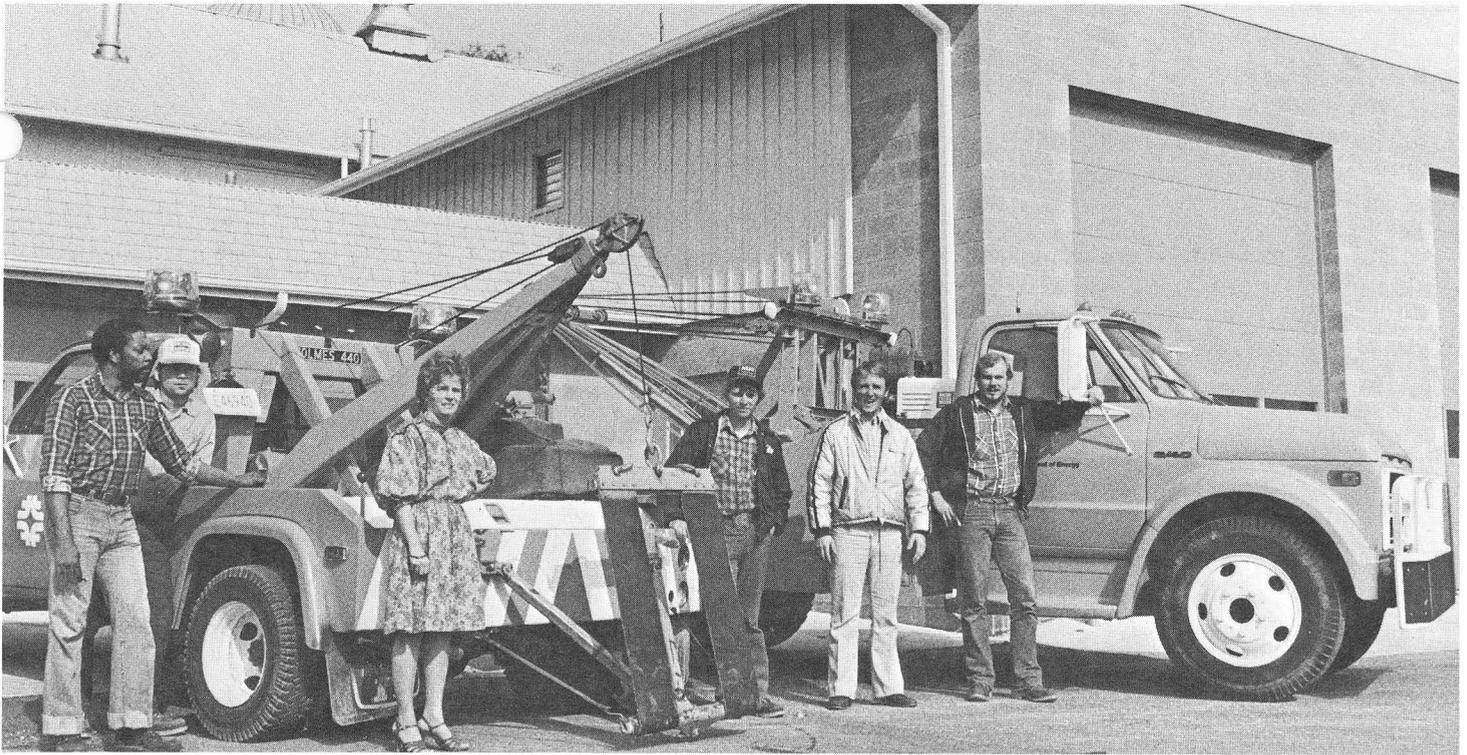
\* \* \* \* \*

## NEXT COLLOQUIUM SPEAKER

Dr. David Schramm of the University of Chicago will be the Physics Colloquium speaker Jan. 14.

His talk on "Neutrinos and the Big Bang" will begin at 4 p.m. in Wilson Hall auditorium. His appearance here is sponsored by the Fermilab Physics Colloquium Committee.

\* \* \* \* \*



From left Teolia "T.J." Jordan, Jerry Famera, Loretta Nemec, Tom Blachford, George Davidson and Jim Bertellotti stand proudly in front of their new facility

at Site 38. Behind them are the two tow trucks that have worked so hard in keeping the Laboratory running on wheels.

\* \* \* \* \*

#### VEHICLE MAINTENANCE MOTTO APPROPRIATE

George Davidson, vehicle maintenance foreman, has a motto: "We're always ready."

And it's quite appropriate for this small but valuable team that keeps the wheels of Fermilab spinning. Earlier this year they moved into their new quarters at Site 38 that are more spacious than the facility they occupied in the Village and "will allow us to do our job better," said Davidson.

Some of the faces and services shown in the photograph on this page will become even more familiar as winter arrives and those inevitable calls for help begin to flow.

Among the many responsibilities required of Davidson and his crew include maintaining a fleet of government vehicles, taking care of the vehicles in the motor pool, repairing and servicing government vehicles (sometimes in the field), and keeping detailed records on the fleet vehicles.

So when Vehicle Maintenance services are needed, dial Ext. 3307, and Loretta Nemec's reassuring voice will come on the line.

\* \* \* \* \*

#### BARNSTORMERS TO SEE DEMONSTRATION

A demonstration on state-of-the-art covering techniques will be the highlight of the next Fermilab Barnstormers meeting, the first for 1981.

The session will be held Jan. 14 in the Users Center, Village. It will begin at 7:30 p.m. with a short business meeting. Afterwards, Charles L. Bauer of Top Flight Models will give a demonstration of some of his company's newest covering products.

"During these winter weeks when we can't fly, we will have other demonstrations relating to radio-controlled models," said Tony Frelo, Barnstormers president. He invited all enthusiasts to attend this upcoming meeting and to plan to attend future ones.

The club normally meets during the lunch period, but changed to an evening meeting because of the demonstration, Frelo explained.

\* \* \* \* \*

#### IN AN UPCOMING ISSUE

Ever wonder what happens to old magnets? Read "Old Magnets Never Die" in a future issue of FERMINEWS.

\* \* \* \* \*

## FERMILAB BECOMING MORE POPULAR

If volume is any indication, then Fermilab's popularity is climbing. Last year, 270 tours were given for 7,623 people, according to Fred Ullrich, tour director. In 1979, 258 tours were conducted for 6,914 visitors.

The statistics reveal that in 1980 the number of professional groups totalled 39, high school 83, college 54, senior citizens 27, teachers 8, special 21, and miscellaneous 35. The two most popular months last year were April and October, each with more than 30 tours and more than 1,000 people taking those conducted tours. Last month (December 1980), 18 tours were conducted for 436 people.

\* \* \* \* \*

## THOSE PESKY PIGEONS--AWAY

What's a hair brush--a big hairbrush--turned upside down good for these days?

Why keeping pigeons off the glamorous sloping windows at the north and south ends of Wilson Hall. For some reason, in delightful as well as brutal weather, the pigeons love to prowl along the horizontal rods framing the windows. Consequently, below them, they leave their telltale calling cards.

Well, Site Services, according to John Paulk, believes it has come up with a polite and humane way of keeping them off. Simply place a series of brush-like bristles along those rods facing upwards. Then when a pigeon comes in for a landing....

\* \* \* \* \*

## NEXT MOVIE AT FERMILAB

"Love and Pain and the Whole Damn Thing" will be the next movie showing at Fermilab.

It will begin at 8 p.m. on Jan. 9 in Wilson Hall auditorium. Tickets are \$1.50 each. In color and rated PG, it is 110 minutes long.

One of director Alan J. Pakula's best efforts, this 1973 film revolves around an asthmatic college drop-out and a middle-aged spinster who develop an interest in each other while touring Spain.

\* \* \* \* \*



*Historic Pioneer Cemetery has a new flag-pole and is now fully fenced. Fermilab maintains the cemetery in recognition of the pioneers buried there and other ancestors who settled and farmed the Illinois prairie. A fresh sign also is being prepared.*

\* \* \* \* \*

## ARGONNE LIBRARY TO CHARGE FOR SERVICES

Fermilab has received a notice from Hillis Griffin, director of Technical Information Services at the Argonne National Laboratory, that "effective Jan. 1, 1981, we will charge a \$5 fee for each item that we furnish in response to inter-library loan or photocopy requests."

The notice was sent to all users of the Argonne library services, reported Roger Thompson, head of the Fermilab library. "Since our library (Fermilab's) budget already has been determined for this year, the most reasonable alternative seems to be to pass the charge on to the individual user's department," said Thompson.

"The Fermilab Library regrets the necessity for this action, and we hope it will not discourage serious research activity on the part of Fermilab employees."

The Fermilab library has 8,200 books, 5,500 bound journals, 10,000 preprints and 6,800 reports, of which 4,800 are on microfiche. The library also maintains subscriptions to 160 journals.

\* \* \* \* \*

CLASSIFIED ADS TO BE DISTRIBUTED WITH FERMINES - JANUARY 8, 1981

FOR SALE:

CARS: 1979 International Scout II; 4x4; Metallic brown; P.S., P.B., Manual transmission; AM/FM Stereo Cassette; A.T.Trackers; 23 channel CB. Call Lon Batchelder, Ext. 3555

1965 Buick Electra. No rust or dents. Excellent condition. \$1000. Call Wes, Ext. 4883.

1976 Dodge 3/4 ton Tradesman Van. P.S.; P.B.; Automatic transmission; 48,000 miles; recently tuned up; good tires; ladder rack on top. \$2800. Call Barbara Bennett, Ext. 3865.

1978 Ford F-250 Pick up; 4 wheel drive; 43,000 miles; extra heavy duty suspension; mud and snow tires; AM/FM cassette; no rust; PS, PB; \$4,900 or best offer. Call Barbara Bennett, Ext. 3865.

MISC.

Antique butcher's block; humidifier; indoor/outdoor carpeting; large brick planter; twin size bed frame/canopy; air conditioners; Microwave oven; two roll-away twin beds. Call for prices - after 5:00 p.m. 897-8209 or Ext. 3575. Ask for Bob.

3½ HP Sears snow blower; 20" width; rewind start. \$150.00  
Call D.Cosgrove, Ext. 4606.

Two G70-14 snow tires mounted on rims. \$25. Call Billie Haller, 941-0639.

30" gas stove; avocado; ventilating hood; continuous cleaning; \$250. Call 355-6290.

WANTED:

Ice skates for 6 year old girl. Call Ext. 3665.

Ladies ski boots, size 8; skis and poles. Call Win Baker, Ext. 4101.

FOR RENT:

2 bedroom house on San Carlos Bay, Pine Island, Florida. By week or day. Available January, February and March. Call Art Streccius, Ext. 4438 or 896-8298.