

The Village Courier



fermi national accelerator laboratory

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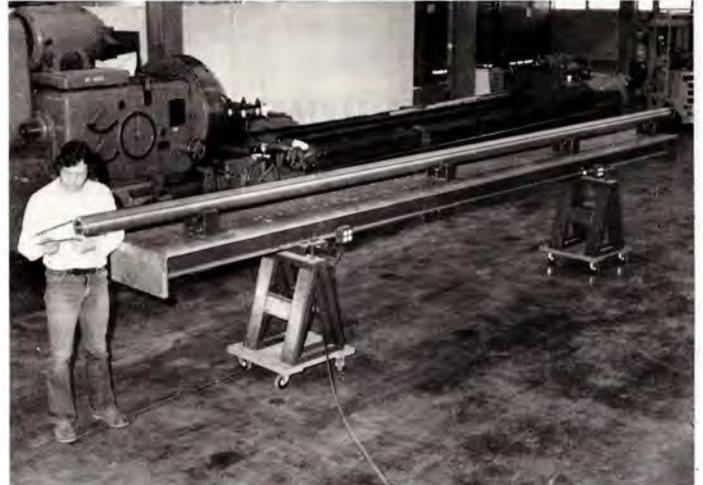
Vol. 8 No. 15 ¹⁴

April 8, 1976

NEW MILESTONES IN DOUBLER PROGRESS

...The first 22 ft. bending magnet for the Fermilab Energy Doubler passed a performance test on March 12. This is the first magnet produced on the new production line that started January 20th. Magnets for the Doubler will be produced at the rate of one each month, with production increasing as they are installed in the Main Ring.

Photo at right: Charles Hess preparing leads for vertical dewar tests on a 22 ft. Doubler magnet...



...Location of the Energy Doubler in the Main Ring tunnel has been changed. It will be located below the present Main Ring instead of at the top of the tunnel enclosure. The two beams will now be 18 inches apart vertically, and aligned horizontally. Beam manipulation between the two rings will be easier and colliding the two beams becomes a possibility.

Photo at left: Louise Latreille and Wally Habrylewicz study model of new Doubler plan...

...Scanning electron micrograph of a strand of superconducting wire for the Fermilab Energy Doubler, magnified 500 times, showing 2,200 individual filaments of niobium-titanium embedded in a copper matrix. The wire is but 0.027 inches in diameter...

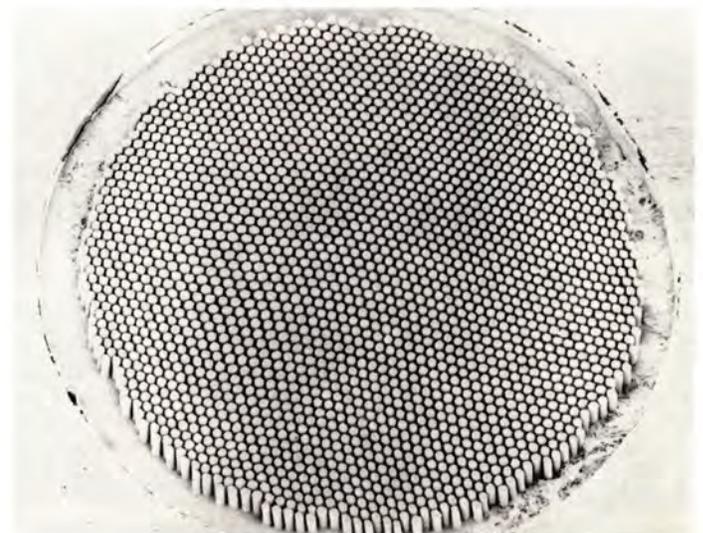


Photo courtesy Airco.

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TECHNICAL COMMUNICATIONS CLASS AT FERMILAB

A class in technical communication, designed for people whose responsibilities are primarily scientific will be offered at Fermilab beginning April 22 from 7:30 to 9:30 p.m. The course is considered a workshop in English skills for senior level technicians, engineers and scientists (and others) who must communicate facts clearly and precisely as part of their jobs. Emphasis will be placed on such written communications as technical reports, memoranda, instructions, proposals, and correspondence through individual written and oral projects, tailored to the needs of the participants. It will not carry college credit. The instructor will be Dr. Robert Johnson, Scientific Editor, Encyclopedia Britannica. Fee for the course is \$40.00 per person.

To register or get more information contact Ruth Thorson, Ext. 3324, CL-6E. Registration deadline is Wednesday, April 14, 1976.

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D.A.T.A. BOOKS NOW IN LIBRARY

For electronics "experts," the Library now has the following D.A.T.A. BOOKS on the reference shelf: Digital integrated circuits, Linear integrated circuits, Opto electronics, Power semiconductors, Semiconductor diodes, and Transistors.

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BIRD WATCH HERE APRIL 17

Fermilab physicist Dave Carey will conduct an Audubon field trip at Fermilab on Saturday, April 17. The trip will begin at the east entrance to the Laboratory at 10 a.m. and proceed around the lakes south of Batavia Road, and include some Main Ring bird watching. Hikers are likely to see migrating ducks, may possibly see coots and grebes, goldfinches, chickadees, snow buntings. Bring binoculars, waterproof boots, wear rugged clothes. No charge for the trip.

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SWIMMING POOL OPEN MAY 22

The 1976 swimming pool season at Fermilab will open on Saturday, May 22 at 9 a.m. The pool will again provide recreational and social opportunities for the Laboratory staff and visitors. This year pool membership is open to the Fermilab staff, their guests and visiting experimenters and their families, the ERDA Office at Fermilab and employees of RRS Inc., Security System, and Mercury Management personnel working at Fermilab.

Season memberships to the pool may be purchased from the Fermilab Cashier, CL-4E, beginning Thursday, April 1 from 8:30 - 5:00 p.m. The seasonal rates for the pool membership are as follows:

Single Person	\$15.00
Married Couple	\$25.00
Family	\$30.00

Without pool membership tags, persons wishing to use the pool may pay an admission fee at the swimming pool of \$1.00 per day. Admission charges to the pool will be strictly enforced.

The pool schedule is as follows:

Weekdays

6:00 a.m. - 8:00 a.m. - adults only, no lifeguard
11:00 a.m. - 9:00 p.m. - family swimming, lifeguard on duty

Weekends and Holidays

9:00 a.m. - 9:00 p.m. - family swimming, lifeguard on duty
*9:00 p.m. - 6:00 a.m. - Pool Closed - No Swimming

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RADIATION EXPOSURE POLICY FOR WOMEN

For many years it has been known that a pregnant woman should give particular attention to minimizing her radiation exposure since a rapidly-growing organism such as a fetus is more sensitive to radiation than are other organisms. This is true of medical exposures as well as those received on the job. Fermilab's policy is that no pregnant woman be exposed to radiation in her work in doses large enough to result in a risk to her fetus.

The following assistance is available to help women employees in reaching informed decisions about the matter of radiation exposure.

All women either currently being routinely monitored for radiation exposure on their jobs, or whose jobs are likely to require such monitoring service in the future, should familiarize themselves with the "Instruction Concerning Prenatal Radiation Exposure," published by the U.S. Nuclear Regulatory Commission. This, and other appropriate information, is available from the Radiation Physics Group, Central Laboratory 7E, or from the Fermilab Medical Office.

Early recognition of pregnancies is particularly important for women who are normally exposed to radiation, so that their exposures can be reviewed and work assignments modified as necessary. Any woman employee at Fermilab wishing to avoid exposure during pregnancy will be reassigned, if she requests, for the period in question.

The first time in any calendar year that a woman employee receives a monthly exposure greater than 200 mrem as recorded on her film badge, she will be contacted by a representative of the Radiation Physics Group and reminded about the possible consequences of radiation exposures during pregnancy. She will be given the opportunity to request whichever of three exposure limits she believes is appropriate for her:

If a pregnancy is confirmed, the Fermilab Medical Officer will request that her work assignment be reviewed, and changed if required, to limit her radiation exposure during the remainder of the pregnancy.

If the woman recognizes that there is a significant chance that she may become pregnant, she should notify the Medical Officer who in turn will request that a limit of 200 mrem/month be applied to her in the future, with a change in work duties if necessary.

If a woman decides to remain in a job assignment whose nature might expose her to more than 200 mrem per month, a note of her decision to continue working under the usual occupational exposure limits will be placed in her Medical File by the Fermilab Medical Officer.

For further information about all matters pertaining to radiation exposure, contact Peter Gollon, Radiation Physics Group, Ext. 3465, or Dr. Charles Lang, Medical Office, Ext. 3232.

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FISCAL YEAR CHANGE AT HAND

At present, the federal fiscal year runs from July 1 of one year to June 30 of the next. Fiscal year 76, for example, began July 1, 1975 and ends June 30, 1976. The Budget Impoundment and Control Act of 1974 included provision for changing the federal fiscal year. The new fiscal year will run from October 1, 1976 and end September 30, 1977. Most Fermilab employees will not be personally affected by the fiscal change. The Laboratory's annual July 1 salary review schedule will remain unchanged.

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...Business Office's Jim Schiltz (L) and Norv Jordan deeply involved in fiscal year change...

INTER/NATIONAL FILM SOCIETY

presents

BROTHER SUN, SISTER MOON

Friday, April 9

Auditorium

\$1.50 adults, \$.75 children

The story of St. Francis of Assisi is given a new and contemporary interpretation by Franco Zeffirelli, whose success with *Romeo and Juliet* inspired him to recreate the life and times of his hero. Taking the many semi-legendary tales of Francis, Zeffirelli adds lush, sun-filled photography, a flair for pageantry and gorgeous costume, religious romanticism, and the music of Donovan, combining them to create a stunning and unorthodox evocation of medieval Italy. The religious movement among the youth of this decade is directly paralleled in the film, where the followers of St. Francis attempt to change the materialistic narrowness of their elders.

Graham Falkner, who made an intensive study into the personality of St. Francis before undertaking a portrayal of the saint, captures his dreamy mysticism and deep humanity to perfection. Judi Bowker, as his follower, is sheer innocence, sweetness, and light. The Pope is played by Alec Guinness, who invests his role with a gravity and precision that affords an effective contrast with the idealistic, impulsive Francis. As the month moves into Easter, this film may serve as a reminder of the need for tolerance and faith in God and fellow-man.

AN ICE SKATING PARTY for the whole family will be offered at the All Seasons Rink (no Jan. thaw here) on Friday, April 9, 7-9 p.m. Admission is free, skate rental, 75¢. The All Seasons Rink is located at Eola and Aurora Roads. Get tickets from Carolyn Longland, Ext. 4175, or Jeannie Sutcliffe, Ext. 3808.

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NALREC ARTS AND CRAFTS SHOW in the Central Laboratory Atrium May 17-21. It is time to be getting your exhibits ready. Employees and relatives of Fermilab, ERDA, Mercury Management and Site Patrol employees are invited to exhibit. For further information, call Dorothy Poll, Ext. 3232.

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IT'S TIME, GARDENERS!

Garden plots are available to Fermilab employees. Those with previous plots can renew the same plot if they apply before April 15. Rototillers will be available on a rental basis. Call George Doyle, Village Manager, for information and reservations - Ext. 3421.

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HOUSE AVAILABLE?

If you are going away for a month or more this summer and would like to rent your furnished house, please call Fermilab Housing, Ext. 3560.

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...WEST END JAZZ BAND at the Users Center Friday, April 9 - 5:30 p.m....

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CLASSIFIED ADS

FERMILAB employees, visitors, & experimenters are invited to Mass, offered by Tim Toohig, S.J., at 12:00 noon every Wed. of Lent at Cenacle Retreat House, Batavia Rd., Warrenville.

USED CAR SALE - See the Argonne Credit Union newsletter to find out about the Hertz rental car sale on May 1. Fermilab employees are welcome to take advantage of this opportunity. Price lists & further information are available from June Olsen, Credit Union Office, CL-1W.

ANNUAL EASTER EGG HUNT - Saturday, April 17, at 1 p.m. at Village Barn. Ages 2-8 welcome. For information, contact Mary Greenwood, Ext. 3201 or Jeannie Sutcliffe, Ext. 3808.

FOR SALE - Portable Frigidaire dishwasher; Westinghouse gas dryer & Kenmore washer. All good working condition. \$50 ea. or \$130 for all. Call J. Paulk, Ext. 3648.