

# FERMINES

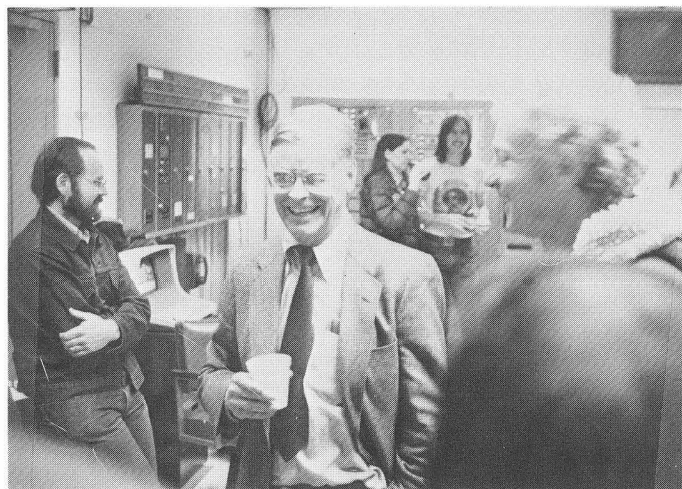
 Fermi National Accelerator Laboratory

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

Vol. 4, No. 12

March 19, 1981

$3.003 \times 10^{13}$  PROTONS PER PULSE AT 4:25 p.m. ON SUNDAY, MARCH 15



Robert R. Wilson (center, foreground), Fermi-lab director emeritus, and Leon Lederman (right, foreground) join the celebration in the Main Control Room

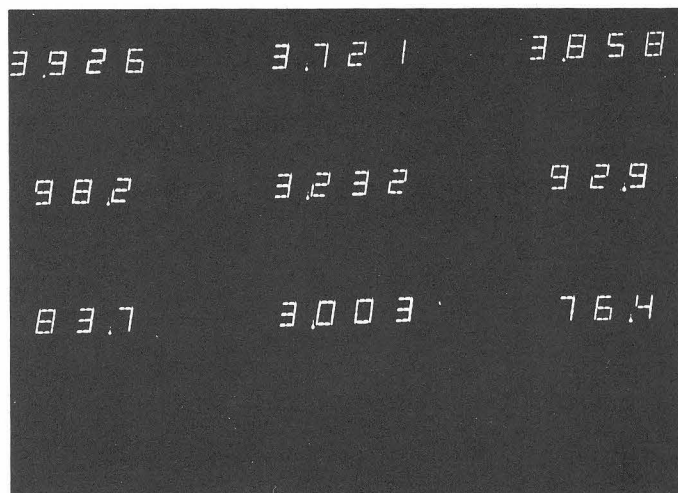
## SPECIAL BULLETIN

The Accelerator Division set an all-time world intensity record of  $3.003 \times 10^{13}$  protons per pulse at 400 GeV at 4:25 p.m. on March 15.

## ACCELERATOR DIVISION REJOICES

Throughout the Accelerator Division, signs proclaimed the division's recent brilliant performance. They read, in part, " $3.003 \times 10^{13}$ : To express the deep appreciation of its users for the spectacular performance of the 400 GeV accelerator and its new left bend, the director on their behalf invites the Accelerator Division to a record-breaking....celebration."

And indeed they celebrated the afternoon of March 17 in the Village Barn. But that, perhaps, was an anti-climax to the ecstatic mood that pervaded the Main Control Room and the mini-celebration that was held in the room's foyer following that epic achievement. Along the way, and almost lost in the Main Ring's successes, was the Booster's new intensity record of  $4.108 \times 10^{13}$ .



The bottom, center number tells the story in four digits of the magnificent accomplishment. This Polaroid shot was taken in the Control Room and shows the panel that displayed the readouts from beam intensity monitors.



Operations personnel on duty when the record was broken. Front row (L-R) Duaine Plant, Fritz Macheel, Jack Mealy and Jeff Elseth. Back row (L-R) Mike Syphers and Gordon Smith. The photograph was taken in the Control Room

(Continued on page 2)

## NEW INTENSITY RECORD, continued from page 1

The drama kept building in recent weeks as record after record tumbled to be replaced by new ones, almost culminating with an intensity of 2.929 at 4:43 a.m. on March 4. For a short time that record held, even beating out CERN's intensity achievements. But the Accelerator Division was determined to reach that 3.0 mark. (See the article on page 1 of the March 5 issue of FERMINews that describes the earlier new records in detail.)

Anyone happening to walk by the Main Control Room these days may not recognize it. For the floor-to-ceiling viewing windows are almost covered with data that gives an historical accounting, more or less, of the division's steady march to 3.0. And on a banner above the entrance and reaching many feet across is proclaimed in bold red and brown numbers and letters:

"3.003 E 14 3-15-81 16:23."

"This past week has been absolutely exciting in many ways," says Bob Mau, head of the Operations Group, when he talked at the all-experimenters' meeting March 16 about the accelerator's performance. For the second meeting in a row, the experimenters applauded the personnel of the Accelerator Division.

\* \* \* \* \*

## SINGLES GROUP TO ORGANIZE

A meeting to organize a singles group will be held March 23 at noon in the conference room on the west side of the first floor of Wilson Hall.

The session is open to all singles. In addition to organizing, the purpose of this first meeting is to find out what type of program would be of interest to singles and to begin planning for some of these activities.

\* \* \* \* \*

## ENJOY A BREAKFAST RUN-WALK

The Fermilab Running Club will hold a breakfast run-walk March 25. The four-mile round trip event will begin at 7 a.m. at the Village Barn. Participants will then continue (running or walking, as they choose) to Wilson Hall and then back to the Barn. Afterwards, they are invited to get together in the small dining room in the cafeteria at Wilson Hall for breakfast at 8 a.m. (Showers are available at the Barn.)

\* \* \* \* \*

## STAY ALERT - TORNADO DRILL COMING

A practice evacuation of Wilson Hall for severe weather--primarily a tornado--will be held sometime during the week of March 23-27.

The Laboratory will test a change in its evacuation alarm signals at this time, reported Ralph Kramp, fire chief. "Claxon type horns presently located on each floor from the atrium through the 16th floor will sound to indicate that the building should be rapidly evacuated," he said. "If the horns perform successfully in this drill, they will be adopted as the emergency evacuation signal for future drills and for actual emergency incidents."

An INTERMITTENT horn tone will mean severe weather (tornado, most likely).

A STEADY horn tone will mean a fire emergency.

Any time there is an evacuation of Wilson Hall--real or practice--employees should follow the instructions of the floor wardens and move to designated safe areas, the chief said.

The chief noted that "bell type alarms on the entire ground floor level, such as in the machine shop, kitchen and post office, will be used as they have in the past. We may replace them with horns in the future."

\* \* \* \* \*

## ENGLISH FOLK DANCE CLASS TO BE OFFERED

A class in English folk dancing will be offered at Fermilab if there is enough interest. The class will be conducted by Edith Gibson, Geneva, once a week for 10 weeks, usually on Mondays from 7:30 to 9 p.m. The charge will be \$30 for a couple, half that price for dancers without a partner. Dancers who would like to sign up for the class should contact Helen McCulloch, Fermilab recreation coordinator, Ext. 3126, by March 25.

\* \* \* \* \*

## NEXT COLLOQUIUM SPEAKER

Prof. Eugene Parker of the University of Chicago will be the Physics Colloquium speaker March 25. His talk on the "Origin of the Cosmical Magnetic Fields" will begin at 4 p.m. in Wilson Hall auditorium. Dick Carrigan will be his host.

\* \* \* \* \*

## WHAT YOU SHOULD KNOW ABOUT AFFIRMATIVE ACTION

Lauta Price-Joyner, manager of the Fermilab Equal Opportunity Office, prepared these questions and answers chosen to help readers become more knowledgeable about affirmative action.

The terms "affirmative action" and "equal opportunity" have become familiar to all of us over the last few years, but many people are still unclear about their meanings or what they are supposed to accomplish. Here are some questions and answers that should improve your understanding.

*Q. What is an affirmative action program?*

A. It is a set of specific results-oriented procedures to which a contractor or agency commits itself to apply a good faith effort. The objective of those procedures and effort is equal opportunity.

Equal employment is the right of all people to apply and to be evaluated for job opportunities without regard for their race, color, sex, national origin, religion, age and mental or physical condition.

*Q. Who is covered by affirmative action?*

A. Women and minorities (including Asians, Blacks, Hispanics and American Indians) are covered, plus the handicapped, Vietnam era veterans and disabled veterans.

*Q. Is affirmative action just for minorities?*

A. In most organizations, there are not enough minorities, so affirmative action must emphasize minority recruitment and hiring. Many organizations have a large number of women clerical positions. Affirmative action is directed in this instance to upgrading and retraining women for non-traditional positions. Affirmative action also works to ensure that job requirements do not unnecessarily screen out the handicapped or aged. Overall, affirmative action is really for everyone. It ensures that all personnel practices are based on merit.

*Q. What is the difference between goals and quotas?*

A. Goals are solid commitments to equal employment opportunity so that numerical objectives are set realistically in terms of anticipated vacancies and the



Members of the EEO staff (L-R) Elvira Rodriguez, secretary; Joyce Curry, personnel administrator; Lauta Price-Joyner, manager of the office; and Dianne M. Engram, personnel administrator.

number of qualified applicants available. An affirmative action program based on goals pays close attention to the means of achieving them; that is, analysis and improvement of the employment process.

Quotas involve court-oriented hiring and-or promotion of specified number or ratios of minorities or women in positions from which a court has found they have been excluded as a result of unlawful discrimination. Quotas that discriminate against males and-or minority group members in hiring or promotions cannot be undertaken by an employer without court sanction.

*Q. Is affirmative action an obligation?*

A. It should be understood that affirmative action is the law and not a generous gesture on the part of management. Its mandate is unmistakable and subsequently affirmative action has become a powerful force. The sad truth is that affirmative action is part of the law because past good faith efforts to end employment discrimination were not particularly successful.

(At Fermilab, the Equal Opportunity Office is located on the 15th floor of Wilson Hall. Its phone number is Ext. 3591. The office also is responsible for the employee assistance plan, giving alcohol awareness sessions and for providing employees with career planning and counseling.)

\* \* \* \* \*



### COMES THE EASTER EGG HUNT

Just a hop, skip and jump away is NALREC's ever popular Easter egg hunt. This time it'll be held April 11 (a Saturday) on the grounds surrounding the Village Barn.

The fervent hunt will begin at 2 p.m. and continue, of course, until most of the eggs have been claimed. The decorative eggs for this hunt will be plastic filled with candy. Each youngster has been asked to bring a basket or bag in which to carry his find. The hunt is limited to boys and girls age 8 and younger.

Members of the organizing committee include Jane Pesetski, Betty Brown, Jean Plese, Linda Even and Edie Brown.

\* \* \* \* \*

### WANTED: POOL PLAYERS

Are you a pool playing enthusiast? Then head over to the Users Center, Village, and register for a single elimination straight pool tournament. The sheet is on the sign-up board there.

The tournament has space for 32 players. Competition will begin March 30 with play at the Users Center on Mondays and Wednesdays from 6 to 9:30 p.m. The deadline for signing up is March 25.

Helen McCulloch, Fermilab recreation coordinator, Ext. 3126, will field additional questions.

\* \* \* \* \*

### BOOK AND GUIDE FOR SALE

A book and a guide have been added to the many publications that may be purchased from the Public Information Office. They may be obtained at the ticket sales desk, in Wilson Hall atrium, Ext. 3353.

"The Big Bang" The Creation and Evolution of the Universe" by Joseph Silk of the University of California-Berkeley is available for \$9. Flashmaps-"Instant Guide to Chicago" may be purchased for \$2.95.

Silk's book is a 394-page paperback with a forward by Dennis Sciama, physicist with Old Souls College, Oxford, England, and the University of Texas. The 80-page Chicago guide contains a variety of facts about the city.

\* \* \* \* \*

### ANNUAL SPRING CLEAN-UP TO BEGIN

Fermilab's annual spring clean-up will begin March 23 and continue to April 6. "Please separate all disposable materials from items that can be recycled such as copper, aluminum and steel," said Bob Kraft of Roads and Grounds. All items should be checked for radiation. "When you are ready for a pickup," call his office at Ext. 3303.

\* \* \* \* \*

### REMINDER ABOUT SPRING WARM UP PARTY

NALREC will hold a Spring Warm Up Party tomorrow (March 20) from 5:15 to 9:30 p.m. in the Village Barn. Admission is free and it is open to all members of the Fermilab community and their friends. Cheese-sausage pizza and plain cheese pizza as well as beverages will be available. Disc Jockey Homer Cunningham will play a variety of recorded music.

\* \* \* \* \*

### BIRTHS

[REDACTED]

[REDACTED]

[REDACTED]

Theoretical Physics.

\* \* \* \* \*