

# FERMILAB NEWS

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## LEDERMAN ADDRESSES USERS MEETING

Dr. Leon Lederman, Fermilab director designate, told more than 200 persons attending the recent users 1979 annual meeting what his goals and priorities are.

In explaining why he accepted the director's position here, he said, "What excited me about Fermilab is that its program is unique. It is not done anywhere else. If we can get the Tevatron going, we will have a unique facility." He reported that already some scientists at CERN have expressed an interest in coming here to use the Tevatron.

But overall, Lederman identified the key issue as physics. "What is the best physics we can do for the money?" he said.

He encouraged users to submit their proposals for using the Tevatron because Fermilab will "begin to implement the Tevatron program gradually during the next four to five years." He called the Tevatron program a major element in strengthening this country's high energy physics research in the future.

Lederman, who will become director June 1, warned the users that the "400 GeV program is fading in viability relative to CERN and will be totally outclassed by 1982." He also promised them a continued effort toward greater machine reliability, saying that when "the (Fermilab) machine is scheduled to be on, it will be on."

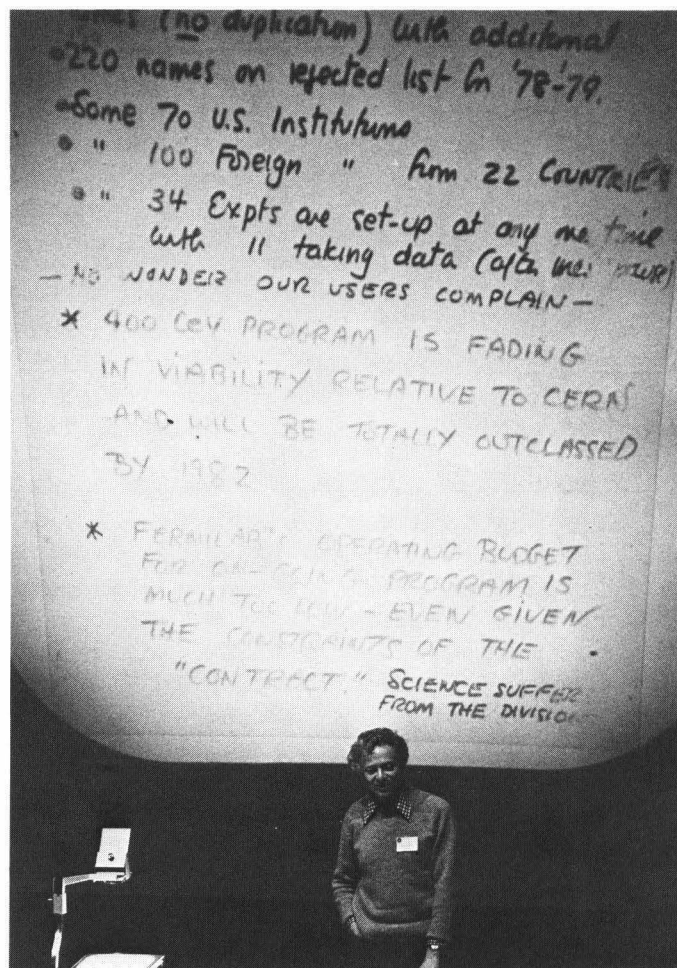
Lederman said some of his goals include:

--Finish constructing the new ring of superconducting magnets by the end of 1981.

--Begin deployment of super-high-energy protons to the experimental areas beginning in early 1982, and assure that all experimental areas have access to the beam by 1983.

--Store 1 TeV protons for collisions at acceptable luminosities. He said he expects to "look at collisions in 1982."

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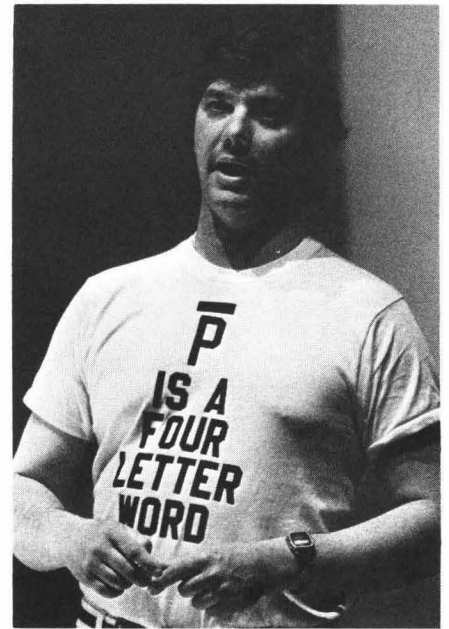
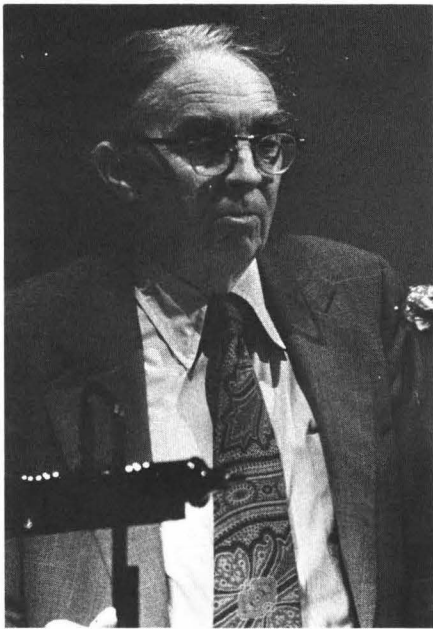


...Dr. Lederman addressed 1979 users annual meeting. He described some of Fermilab's successes and problems...

### REMINDER...REMINDER...REMINDER...

- 1--Beginning May 15, the top speed limit on the Fermilab site will be 40 m.p.h., unless otherwise posted.
- 2--Commercial truck traffic not involved in Fermilab business will be prohibited.

Keep a look out for new traffic control signs.



*Milton G. White addresses his first users meeting as president of Universities Research Association.*

*Frank J. Sciulli, Chairman of the Users Executive Committee, serves as moderator for the annual meeting.*

*Jim Simpson of Argonne demonstrates his dedication to antiprotons.*

#### Lederman Addresses Users Meeting (Cont'd)

Shifting to a world view of the money gap, Lederman said Europe spends significantly more money for high energy physics research than this country does. That's "twice as much clout," he said. And the ratio between CERN and Fermilab is "well above a factor of 2," he added.

#### White tells Users his Views

Milton G. White, new president of Universities Research Association, told users at the annual meeting April 28 that he foresees "glorious new days" and said it is "more exciting to make things happen."

In addressing the users for the first time in his new role as URA president, White said that Fermilab is a "terribly exciting place to be." The URA board has considerable expertise in physics and administration, he said. "We aim to make Fermilab the best research facility we know how."

White then told his audience that Fermilab will be "a laboratory for users." But it also will have a strong in-house capability to support user activities, he added.

He described the URA board of trustees as an "impedance matcher" between the Laboratory, the director, Department of Energy, users and other pressures. White also said that the trustees' most important single action is to choose a director.

"The board is enthusiastic about Leon taking over," White told the users. "He will be jumping into the lion's den," explaining that in addition to dealing with a number of problems, Lederman also will have the difficult task of finding additional money for the Laboratory. He certainly has the "best wishes of the board" as he enters into these new responsibilities, said White.

#### Ramsey bades Farewell to Users

Dr. Norman F. Ramsey, president of URA for 13 years, said farewell to Fermilab users. He told them it probably would be his final appearance at the podium, a place he had stood during many past users meetings. Now that he was no longer president, he could return and be a member of the audience. The silver-haired, popular leader praised the users organization for its many valuable contributions to URA and to Fermilab.

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#### ENERGY TIP

When out driving, observe the 55 m.p.h. speed limit on the highway. Most automobiles get about 20 percent more miles per gallon on the highway at 55 m.p.h. than at 70 m.p.h.

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EXHIBIT OF GREAT BOOKS OPENS AT FERMILAB

Fifty books that are recognized as among the greatest milestones in the history of man's progress are on display at the Central Laboratory.

Assembled in the second floor exhibit area, the books will be on view for about two months. They are stellar examples of science through the ages and represent the disciplines of physics, chemistry, zoology, medicine, technology, botany, astronomy, mathematics and general science.

The volumes are on loan from the John Crerar Library in Chicago. The display was installed by a team from Fermilab and the library led by William S. Budington, executive director and librarian, and J. Walter Shelton, associate librarian.

One of the major objectives of this exhibit on the history of science is to show in some degree the way in which scientific publications of the past illustrate the tendency of science to expand man's knowledge of the natural world. The advancement of knowledge is illustrated by these books taken from 16th, 17th and 18th century works. They indicate many of the advances on which the development of modern sciences was based. They also illustrate the ways changes in interpretation of earlier observations and new discoveries have gradually led to a better understanding of natural phenomena through improved methods of research. And, the volumes form a kind of continuum that records man's hungry search for better understanding of his surroundings.



...William S. Budington (L), executive director and librarian of the John Crerar Library, and J. Walter Shelton, associate librarian, put finishing touches to the book exhibit that features some of the world's greatest literature in science and technology. The volumes include works from the 16th 17th and 18th centuries...

The Crerar Library, 35 W. 33rd St., is a privately endowed and independent public research institution that is open to all persons. Located on the campus of the Illinois Institute of Technology, the library contains 1.2 million volumes in all disciplines of basic and applied science, technology and medicine.

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SOME OF THE GREAT BOOKS NOW ON DISPLAY

PHYSICS--Horologium Oscillatorium, Christiaan Huygens van Zuylichem, published in Paris, 1763; Experimenta Nova, Otto von Guericke, Amsterdam 1672; Experimental Researches in Electricity, Michael Faraday, London, three volumes, 1839-1844 and 1855.

ASTRONOMY--Harmonices Mundi Libri V, Johannes Kepler, Linz, 1619; Dialogo...Sopra i due Massimi Sistema del Mondo, Galileo Galilei, Florence, 1632.

GENERAL SCIENCE--Opera Graece, Aristoteles, Venice, five volumes, 1495-1498; The Two Bookes of Francis Bacon. Of the Proficiency and Advancement of Learning Divine and Humane, Francis Bacon, Viscount St. Albans, London, 1605.

MATHEMATICS--Opus Elementarum in Artem Geometriae, Euclides, Rome, 1619; Admirable Table of Logarithms, John Napier, London, 1616.

CHEMISTRY--Experiments and Observations on Different Kinds of Air, Joseph Priestley, London, 1774; A New System of Chemical Philosophy, John Dalton, London, three volumes, 1808-1827.

ZOOLOGY--Ontleding en Ondekkingen...Brieven, Anthony van Leeuwenhoek, 10 parts, Leyden, 1684-1696, Delft, 1696-1718.



## FERMILAB ARBOR DAY MAY 17

Fermilab's Arbor Day is coming May 17.

From 10:00 a.m. to noon Fermilab people are invited to plant 215 trees in 12 varieties that will eventually grow to mature sizes ranging from 15 to 70 feet. Four hundred geraniums in four-inch pots will be given to the volunteers, and refreshments will be available.

So the invitation goes out to every employee, user, spouse and visitor to come to the area at the Helium Liquefying Plant and share in the enjoyment of enriching the site's aesthetics. Taxi service will be available. In case it rains, the alternate date is May 21.

The Batavia Junior High School Band will lead the horticulturists from the semicircular drive on the north side of the Central Laboratory to the work site. During the two hours of planting, the band will play a variety of popular compositions. Hazel M. Cramer coordinated the band arrangements.

Ad hoc committee members who organized the Arbor Day planting include:

Bob Hall, chairman; Jose Poces, publicity; Bob Lootens and Sam Baker, landscape design; Cindy Gould, Loretta Nemeč, geraniums; and Reid K. Rihel.

Holes will have been predrilled by roads and grounds personnel for most of the trees. However, some will have to be fashioned by volunteers.

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## NEW ADDITIONS TO LIBRARY

The library now has available seven video cassettes about Fermilab's new CYBER 175 computer.

The cassettes range in viewing time from one-half to one hour and cover interactive and batch use. The interactive topics include terminal operation, use of commands, creation and editing of files and job submission. The files-batch topics include file formats and processing commands, batch job compilation and linking.

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## HISTORIAN WRITER TO SPEAK AT FERMILAB

Henry Steele Commager, historian and writer whose books have stirred considerable interest, will speak at Fermilab May 18.

His talk on "Nationalism and the Community of Learning" will begin at 8:30 p.m. in the Central Laboratory auditorium. Although the talk is free, admission will be by ticket that can be obtained at the Guest Office, CL1W, 3124. He is being brought here as part of the Fermilab science and human values lecture series.

In his lecture, he will discuss the ramifications of the use of science and other branches of learning for nationalistic purposes and the effects of these uses on nations and learning.

He is the author or co-author of "The Growth of the American Republic," "Majority Rule and Minority Rights," "The American Mind," "Freedom, Loyalty, Dissent," "The American Character" and other works. Commager edited "The Rise of the American Nation," a 50-volume work.

Born in Pittsburgh in 1902, he studied at the University of Chicago and has held professorships at New York University, Columbia University and Amherst College. He also holds many honorary professorships, lecturerships and fellowships.

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## NALREC PREPARES FOR MONTE CARLO NIGHT

NALREC's popular Monte Carlo night will be held May 19 from 8:00 p.m. to 1:00 a.m. at the Users Center in the Village.

For a \$2.00 admission charge, a person will receive \$10,000. Individuals who need additional funds can purchase \$5,000 for only \$1.00.

Buffet service will be available at \$1.00 for each person, and a variety of beverages can be purchased. An auction will be held at midnight.

Persons who would like to help at the game tables have been asked to contact Linda Even or Pat McDonald, ext. 3097.

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