

FERMILAB NEWS

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DOE OFFICIAL PRAISES FERMILAB, DISAGREES WITH HANS A. BETHE



James E. Leiss, associate director for high energy and nuclear physics, Department of Energy, Washington, D.C., described Fermilab as an "extremely important laboratory to national and world high energy physics."

J.E. Leiss In addressing the users 1979 annual meeting at Fermilab April 28, Leiss praised the Laboratory for embarking on the difficult job of building the Tevatron, the Energy Doubler, colliding beams and supporting facilities. He called it "an ambitious program involving radical new technology that has not been done before."

He promised to "try to help the program all we can" and added that "we need your help" in keeping quality science thriving in this country.

The day before at an international symposium honoring Dr. Robert R. Wilson, director emeritus of Fermilab, Leiss heard Nobel laureate Hans A. Bethe accuse this country of being pervaded by the philosophy of not taking risks, of adopting a no-mistakes attitude toward new dimensions of science and technology. Bethe further said that such an attitude is paralyzing this country's enterprise.

Leiss told the users that Bethe's argument that "we are not willing to take high risk undertakings left me cold." This country is involved in "high risk undertakings," he said. Superconducting magnet technology is one example where "we have put all our eggs in one basket," Leiss said. It appears to be the way to go, and setbacks will have to be overcome, he added.

In assessing this nation's position in the coming years, Leiss said, "we will have to do what has to be done in order to ensure the future."
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INTERNATIONAL SYMPOSIUM HONORS DR. R. R. WILSON

Dr. Victor F. Weisskopf, the world-renowned high energy physicist, described another world-famous scientist as a physicist, engineer, architect and sculptor.

The man he was describing--before 400 persons from around the world attending an international symposium in the man's honor--was Dr. Robert R. Wilson, Fermilab's first director and now director emeritus. During the all-day symposium and an evening banquet, speaker after speaker recalled the moments of inspiration they drew from their association with, as they all called him, "Bob." They praised his foresight, his impressive contributions to high energy physics and his tenacious perseverance that almost always got the job done on or ahead of time and frequently under budget.

It clearly was Bob Wilson's day, a mixture of renewed acquaintances, friendly anecdotes, exchanges of serious physics, but above all, the opportunity for people to show the dedicated high energy physicist their respect. It was a day accentuated with repeated applause for the serious words that lauded him and with laughter for the humorous stories that have helped make Wilson the legend that he is.

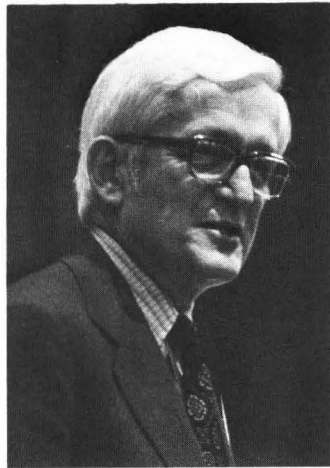
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INTERNATIONAL SYMPOSIUM IN HONOR OF . . .



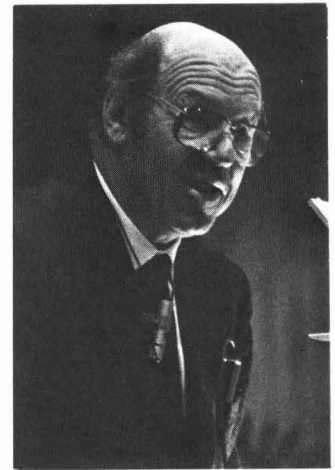
...Livdahl...



...Ramsey...



...Lederman...



...Paul...

PHILIP LIVDAHL, Fermilab acting director... "It's a privilege and an honor to welcome all of you to Fermilab today." "The Laboratory is thrilled and privileged on this occasion to honor our friend, colleague and hero, Bob Wilson."

DR. NORMAN F. RAMSEY, former president of Universities Research Association Inc. He served as chairman of the symposium's morning session.

DR. LEON LEDERMAN, director designate of Fermilab who is scheduled to become director on June 1... He praised Wilson for his impressive achievements, bringing many of them in ahead of time and usually under budget. He reviewed the experiments conducted in nearly every area of high energy physics and concluded that the "scope of the effort in this laboratory is mind boggling." He further praised Wilson's leap frog approach over the present state of the art, in which Fermilab would take a giant step forward by building an Energy Doubler, using it to make a Tevatron that could put 1,000 GeV protons on fixed targets, and building a colliding beam facility where 1,000 GeV protons would collide with 1,000 GeV antiprotons.

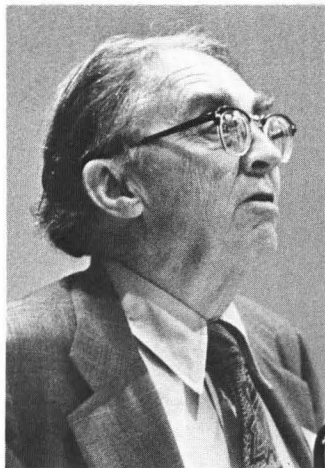
WOLFGANG PAUL, Physics Institute, University of Bonn... In his talk on the history of accelerators, Paul took a brief diversion from the main theme. He said an academic environment has a tendency to be more creative than large laboratory (non-academic) settings because the faculty members have to teach young people. They teach at the limits of their knowledge and consequently push those limits farther and farther to show that the limits can be extended.

S. CHANDRASEKHAR, Morton D. Hull distinguished service professor at the University of Chicago and one of the world's foremost astrophysicists... He extracted from the world's literature fragments of the thoughts of great writers and scientists that link together science and beauty in ways many persons would not have perceived. He referred to Einstein as a man who never let the beauty of what he was doing escape from his thoughts. He mentioned the common bonds in the works of Newton, Shakespeare, Beethoven, Heisenberg, Plato, Hume, Kepler, Ramanujan (the brilliant Indian mathematician) and many others. Chandrasekhar ended his talk saying: "Each person can achieve beauty in his quest for science."

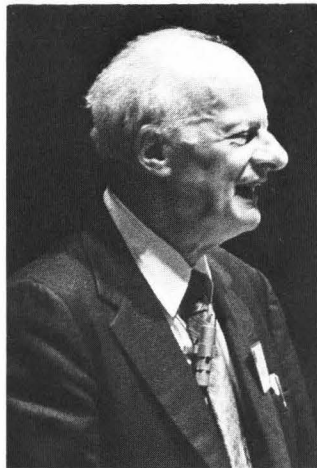
PROF. MILTON G. WHITE, new president of URA and Eugene Higgins professor emeritus at Princeton University... He served as chairman of the afternoon session. He said he has "known Bob longer than anyone else in this room." White said Wilson made considerable progress because of his creative instincts. "I truly have admired his enormous contributions to art and science."



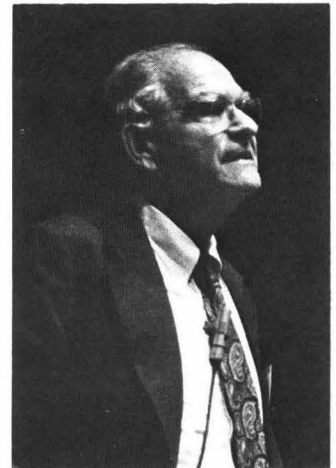
...Chandrasekhar...



...White...



...Bethe...



...Weisskopf...

DR. HANS A. BETHE, Nobel laureate and professor emeritus at Cornell University...He told about the influence he and Wilson had on each other and how Wilson's creativity was apparent years ago when he was working with some of the greatest personalities in high energy physics, such as Robert Oppenheimer and E. O. Lawrence. Wilson impressed Bethe as a person who could beat records and overcome challenges.

DR. VICTOR F. WEISSKOPF, world-famous high energy physicist and professor emeritus at the Massachusetts Institute of Technology...He said greatness cannot be unidimensional, that art and science in many ways are inseparable and serve to complement one another. Together they make a better person, one who can enter uncharted dimensions with great confidence. Wilson is this kind of a man, one who has effectively used a blend of art and science, he said.

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WILSON RESPONDS.....

Dr. Robert R. Wilson, Fermilab's director emeritus, shunned the praise he had heard during an all-day international symposium and elegant evening banquet, both in his honor April 27.

He told the more than 500 persons from around the world who had come to honor him that "I'm overwhelmed. Such distinguished speakers, such emotion, such elegance." But it's not him they should be praising, he said.

"When you work with people, you become their creation. You become the creation of your friends. They are the ones deserving of the praise we have heard here today."

He also said that no matter what a person has accomplished, it somehow always involves a collaboration. And with that he asked his wife, Jane, to stand with him at the podium. As they stood together holding hands, the audience at the banquet rose and gave them an enthusiastic and sustained ovation. Wilson then reminisced

about "the places we have been, the friends we have made." Then he ended his remarks by saying:

"And now I'm trying to look each one of you in the eye and tell you that you are the best and dearest friends in all the world."

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...Jane and Bob Wilson...

NEW TRAFFIC REGULATIONS BECOME
EFFECTIVE MAY 15 AT FERMILAB

New traffic regulations will become effective May 15 at Fermilab.

The maximum speed limit on the Fermilab site will be reduced from 50 m.p.h. to 40 m.p.h., unless otherwise posted.

Commercial truck traffic not involved in Fermilab business, will be prohibited.

Richard A. Lundy, head of Fermilab's Business Services Section, explained that the new regulations will improve traffic safety and help to cut back on road maintenance costs. By controlling truck traffic especially, the deterioration rate of site roads will be reduced, he said.

Traffic control signs will be placed at appropriate locations to remind drivers of the new regulations.

The new regulations are part of a broad program by Fermilab to improve the traffic conditions throughout the 6,800-acre site.

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BASKETBALL TEAM FINISHES
WITH OUTSTANDING RECORD

Fermilab's basketball team--after losing its first two games--wound up with a 12-4 winning record for the season in the Batavia Park District Over 30 Basketball League.

Team members are S. Abramski, Charles M. Ankenbrandt, Edward J. Barsotti, Bradley B. Cox, John P. Cumalat, Irwin Gaines, E. Gimmig, D. Greene, D. Gustavson, R. Lipton, Robert L. Loveless, J. Rosen and D. Roupas.

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BIOETHICIST TO GIVE SIGMA XI LECTURE

Dr. Margaret N. Maxey, associate professor of bioethics at the University of Detroit, will give the Sigma Xi lecture May 10.

Her talk on "The Ethical Imperative of Nuclear Power" is free and open to the public. It will begin at 8 p.m. in the Amoco Research Center. A dinner for Sigma Xi members and their guests will be held at 6:30 p.m. that evening.

Fermilab is one of three science and education-oriented institutions that form the nucleus of this area's Sigma Xi Club. The others are the Amoco Research Center and Wheaton College. Dr. Marvin Johnson, associate head of the Research Services Department at Fermilab, is president of the chapter.

Dr. Maxey received her Jesuit training at Creighton and St. Louis universities and the University of San Francisco. She holds a doctorate in Christian ethics from Union Theological Seminary. She has written and lectured extensively and is a consultant on the ethical considerations of nuclear waste management.

She has been quoted in the media as saying: "If the public understood that all the radioactive waste that would be generated by nuclear reactors producing electricity to the year 2,000 would constitute one ten-millionth of a percent of the total toxic elements naturally occurring in the earth's crust, then the problem would be seen for what it is-- belonging in the land of Lilliput."

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FERMILAB INTERNATIONAL FILM SOCIETY PRESENTS

"One Sings, The Other Doesn't"

Friday, May 11

8 p.m.

Central Laboratory Auditorium

In this 1977 film from France, director Agnes Varda, with feminine insight and feminist ardor, follows the friendship of two women for a period of 14 years.

PG

Color

105 minutes

Adults-\$1.50

Children-50¢