

FERMILAB NEWS

 Fermi National Accelerator Laboratory

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

Vol. 3, No. 22

May 29, 1980

FERMILAB WELCOMES PARTICIPANTS TO THE INTERNATIONAL SYMPOSIUM ON THE HISTORY OF PARTICLE PHYSICS MAY 28-31 LECTURES IN AUDITORIUM EXHIBIT ON SECOND FLOOR, SOUTH

MANY PEOPLE RESPONSIBLE FOR SYMPOSIUM

The 1980 International Symposium on the History of Particle Physics, now into its second day here, was brought to fruition through the cooperation of many people and organizations.

Lillian Hoddeson of Fermilab and Laurie M. Brown, physicist and historian at Northwestern University, both principal co-organizers of the symposium, have been working on this symposium for more than a year. The 1980 symposium is based on the successful symposium that was held in May 1977 at the University of Minnesota. That symposium dealt with nuclear physics of the 1930's. This one continues where the earlier one left off.

In addition to Hoddeson and Brown, other members of the Organizing Committee include Hans A. Bethe, Leon M. Lederman (Fermilab director), Roger H. Stuewer, (organizer of the 1977 symposium), Spencer R. Weart and Robert R. Wilson (Fermilab director emeritus).

The Organizing Committee has been assisted by the Fermilab History of Accelerators Committee that includes Dick Carrigan, Frank Cole, Thomas Collins, Drasko Jovanovic, Lee Teng, Roger Thompson and Donald Young.

Jointly sponsoring the symposium are the Sloan Foundation, American Physical Society Division of Particles and Fields, American Institute of Physics, Center for the History of Physics, and Fermilab. The U. S. Department of Energy is also cooperating.

Taking care of many additional details were members of the Arrangements Committee including Betsy Anderson, Joanie Bjorken, Helen Peterson and May West. Dick Skokan has been responsible for the lighting and audiovisual arrangements in the



(L-R) Saundra Cox, Angela Gonzales, Jose Poces and Nancy Peoples, a new member of the Auditorium Committee, gather around a triggerable cloud chamber on exhibit in the Fermilab Gallery. The chamber was selected by Drasko Jovanovic and Dick Lundy from the University of Chicago's collection.

auditorium, where all the lectures will be held.

Also, many groups of employees at Fermilab have been helpful, particularly the Photo Unit, Publications, Guest Office and Buildings Management.

Jose Poces and Angela Gonzales, both of Fermilab, and Saundra Cox, exhibit consultant, are setting up "Memorabilia of Five Decades of Particle Physics." The exhibit is on the second floor, south, of the Central Laboratory. The collection captures the essence of the search for the fundamental nature of matter and includes artifacts, large and small, as well as photographs of equipment, particle tracks and scientists at work.

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DIRECTOR'S JOGGING TRADITION CONTINUES

Runners of all classes are invited to join Leon Lederman, Fermilab director, on June 1, for the second annual run around the four-mile accelerator ring.

The group will meet in the parking lot just east of the Central Laboratory at 8:30 a.m. The jog continues a tradition Lederman began last year when he became director.

For everyone who finishes the course, croissants, bagels and coffee wait in the cafeteria.

FERMILAB IN AWARD-WINNING FILM

Fermilab is included in a 12-minute movie that won a Gold Camera Award from the International Festival of Industrial Films.

The prestigious award - in the career guidance category - was presented at IFIF's 13th annual international awards competition ceremony held earlier this month at Chicago. Produced by Bell & Howell Co., the film - "Technology, the Leading Edge" - is about career opportunities in the sciences and features Fermilab, Bell Laboratories, Hughes Air Craft Corp., General Motors and two other major organizations

Filmed in 1979, it is shown by Bell & Howell to high school juniors and seniors in order to help them choose a career field, explained Phil Schacherer, manager of Communication Services at Bell & Howell, Evanston.

The film is available for viewing. Contact Patricia Zack, tour director, Public Information Office, Ext. 3351.

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NEW IN THE LIBRARY

"High Energy Physics in the Einstein Centennial Year," Obris Scientiae, University of Miami.

"Hunting Particles," Brian Southworth.

"English-Russian Dictionary of Refrigeration and Low Temperature Technology," M.B. Rozenberg.

"Understanding People at Work," Thomas L. Quick.

"Computer Security," David K. Hsiao.

"The Master of Light: A Biography of Albert A. Michelson," Dorothy M. Livingston.

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SCHOLAR TAKES AUDIENCE INTO MIND OF EINSTEIN

Dr. John Stachel described Einstein as at ease and at great intimacy with the cosmology that was his life's palette.

Einstein scholar and professor of physics at Boston University, Stachel presently is on sabbatical from the university. He is working with the Einstein archives at the Institute for Advanced Study, where he and other scholars are preparing a 20-volume work of the complete writings of Einstein.

Stachel was at Fermilab to give a physics colloquium on "The Genesis of General Relativity." He was the guest of the Fermilab Colloquium Committee.

Einstein characterized his proper life's work as the search to answer three questions, Stachel said. These were:

--How the representation of a light ray depends on the state of motion of the coordinate system to which it is referred.

--The basis for the equality of inertial and gravitational mass.

--Whether the gravitational and electromagnetic fields can be comprehended in a unified scheme.

But behind these questions was a powerful motivation that propelled him beyond the frontiers of current thought. "He described it (his motivation) as the striving for a logically simple interpretation of empirically known connections," said Stachel. "He described the state of psychic tension generated by what he felt to be fundamental incompleteness in the theoretical system of physics, and the striving to overcome this incompleteness, spurred on by his intense conviction of the existence of a logically simple solution. He compared his motivation to that of someone trying to solve a puzzle or chess problem, spurred on by the knowledge that the solution must exist."

And this sheds light on Einstein's cosmic religion--religiosity, Stachel called it. "It was a deep emotional conviction of the lawful nature of the universe which supplied the psychic energy needed to keep working on such 'puzzles' over a decade or more."

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First place team (L-R) Max Palmer, Tony Albano, Jean Plese and John Robb. The fifth member, Art Streccius, is not shown.



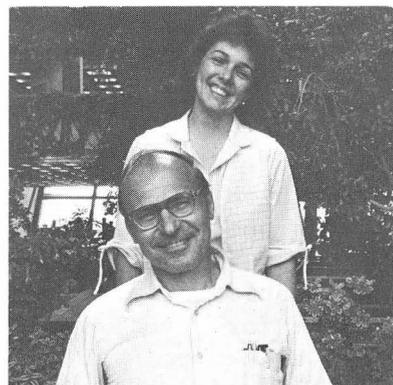
Second place team, (L-R) Chuck Chizzo, Bob Florian, Claudia Foster, Mark Augustine and Al Forni.



Incoming 1980-81 Fermilab Bowling League Officers, (photo at left, top row) Gary Smith (L), vice president, and Edreick Justice, president; (bottom) Barbara Kristen (L), secretary-treasurer, and Rose Muth, recording secretary. Outgoing 1979-80 officers, above photo (L-R) Patricia Yost, secretary-treasurer; Jackie Coleman, recording secretary; John Robb, vice president; and Sharon Koteles, president.



High average, (L-R) Paul Kurylo with 191 and Jean Plese with 153.



Most improved bowler, Rose Muth (top) with a nine-pin increase and Chuck Chizzo with a 16-pin increase.



High series, (L-R) Randy Shenk with 696 for three games and Barbara Kristen with 608 for three games.

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GIBBONS AND TATE BOWL HIGH GAMES

The Fermilab Bowling League's season recently closed with Reggie Gibbons bowling the individual high game for men with 275. Gail Tate bowled the individual high game for women with 246. Their and other outstanding performances were recognized at the league's annual banquet.



Gibbons

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STUDENT LOANS AVAILABLE

Student loans through the Illinois Guaranteed Loan Program will be available again this year.

Under this program, payment by the borrower is deferred until graduation or full-time study has ended. Loan applications may be obtained from the Argonne Credit Union. Fermilab has a branch in the Central Laboratory, first floor, west side. All applications must be returned to the Credit Union no later than Aug. 1.

Applications for first-time borrowers will be approved on a first come, first served basis until the funds that have been set aside are depleted. The maximum amount available varies according to the following criteria: freshman, \$1,000; sophomore and through senior, \$2,500; and graduate student, \$5,000.

For additional information, contact Cindy Gould, Ext. 3293.

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HELEN McCULLOCH ELECTED DIRECTOR

Helen McCulloch, Fermilab recreation coordinator since September 1976, has been elected a director of Region 3 of the National Industrial Recreation Association. McCulloch, who has been with Fermilab for 10½ years, was selected for the position at the organization's national conference held May 18 in San Diego. Her term is for two years. Region 3 includes Illinois, Michigan and Indiana.

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Department of Energy officials recently toured Fermilab. Stopping on the Central Laboratory 15th floor to look across the site were William S. Heffelfinger (far right), director of administration, DOE headquarters, and Harry L. Peebles (third from right), deputy director of administration. Accompanying them, left to right, were Phil Livdahl, acting Fermilab deputy director; Leon Lederman, director; Andrew E. Mravca, area manager of the DOE Batavia Area Office; and James A. Miller (behind Heffelfinger and reflected in the window), assistant area manager. Heffelfinger and Peebles were in Chicago to meet with assistant managers from various field offices.

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CHEZ LEON MENUS

Tuesday, June 3

Restaurant booked

Wednesday, June 4 - 12:30 p.m. - \$4.50

Vichyssoise
Summer platter
Fresh salad
Fresh strawberries w/cream

Thursday, June 5 - 7:00 p.m. - \$8.00

Shrimp sevice
Onion steaks
Mushrooms stuffed w/peas
Sauteed zucchini and corn squash
Fresh salad
Apricot torte

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