

FERMILAB NEWS

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FERMILAB WANTS TO EXTEND HOSPITALITY TO LATIN AMERICAN SCIENTISTS

Fermilab proposes to establish an institute here that will assist scientists and engineers from developing countries, principally from Latin America, Leon Lederman, Fermilab director, said. He plans to call it the Latin America Center for Fundamental Physics and Technology.

In speaking before the weekly meeting of the Accelerator Division, the director, who recently returned from a visit to that hemisphere, added, "Fermilab has the unique ability to provide visiting scientists with the experience of intellectual adventure through participation in first class research combined with exposure to a broad range of frontier technologies. The purpose of receiving developing country scientists is to provide to the home countries teachers who can communicate the status of fundamental research and scientists who can bring back technologies which may well be adopted to narrow the gap between the advanced and the developing countries."

He then read a portion of a letter he received from a scientist in Brazil. It said in part, "...as a former particle physicist now active in another field (non-conventional energies)...experience in an advanced center can teach one to reason in an objective way, to use efficiently the basic principles of physics, even the most advanced ones, to be able to detect new techniques and to absorb and adapt them to different conditions, to have a broad view, to connect things which at first sight seem disconnected, to be able to see the beauty and power of the science and to diffuse enthusiasm in young able people."

Lederman went on to say, "Our purpose is not to propagate high energy physics in the developing countries. This may come later. We prefer to stress the interactions of our technologies with such practical things as synchrotron radiation, advanced data handling, superconductivity, cryogenics and particle detectors. We also have in

mind the exposure of a vary large population to frontier science via improved and enlightened teaching. In this, we are sensitive to the rarity of genius and the need for minds that may address and solve some of the crucial problems facing society in a world of diminishing natural resources."

Lederman told the group that he anticipates the Center would be able to receive about 30 fellows each year. On the average, a fellow involved in experimentation would stay about a year, while one immersed in theoretical physics would be here for two or three months. "As a measure of their value," Lederman said, "each of these fellows will probably influence several hundred students per year."

The director also said he is aggressively seeking funding for the Center from private foundations and from other organizations. He said he is hoping to find support at the \$500,000 level per year, but noted that "a viable program can begin at half this amount."

The Fermilab Center hopes to attract "scientists and engineers (the fellows) who have institutional connections in the developing countries," said Lederman. "This would give assurance of the usefulness of the experience and assure that strong ties remain between the fellow and his home country."

The Center would plan to help out by providing travel, housing and a supplement for the cost of living in the Chicago area.

Last fall the idea received some encouragement from DOE and the President's science advisor. However, the plan must now await concurrence of the new science administrators in DOE.

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APS WORKSHOP ADDRESSES SCIENCE AND TECHNOLOGY IN DEVELOPING COUNTRIES

Physicists from 14 developing countries, the United States and Canada recently attended a four-day workshop to exchange suggestions on how scientists from technologically advanced nations can best cooperate with physicists in developing countries and help with their problems.

The workshop, sponsored by the American Physical Society (APS), was called "The Focus of Physics in Science and Technology for Development." It was held in Baddeck, Nova Scotia, Canada.

Copies of the workshop proceedings can be obtained by writing to the American Institute of Physics (AIP), Division of Public Information, 335 East 45th St., New York, N.Y. 10017.

In the report, 22 recommendations were made about problems in education, communication through journals, personal contacts and the administrative and financial base for assistance. Additional emphasis was placed on the collaboration of physicists and engineers to solve technological problems by the application of the latest scientific advances.

"It was well recognized by the group in Baddeck that learned societies such as the APS have unique attributes which make them particularly suitable for providing assistance and cooperation in building up an autonomous scientific capability in developing countries," said the AIP. Professor C. S. Wu of Columbia University and past president of the APS welcomed the attendees and expressed the interest of the APS in seeking mutually useful modes of collaboration.

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CALL FOR SUMMER HOUSING RESERVATIONS

The Fermilab Housing Office is issuing a call for applications for summer housing on site. The deadline is March 27.

Housing assignments for summer experimenters will be made early in April, said Linda Olson of the Housing Office. Assignments are based on the expected running schedule. Responses will be mailed by April 17. Beginning the week of May 28, occupancy can begin.

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AN HONEST LOOK AT THOSE TEMPERATURES

During his final days as President, Carter signed into law the second extension of the building temperature restrictions. His proclamation continues the practice of maintaining buildings at 65°F during the heating season and no lower than 78°F during summer. Hot water is not to exceed 105°F. The latest extension expires Oct. 16, 1981, unless it is rescinded sooner.

"Fermilab will conscientiously comply with these restrictions," said John Paulk, head of Site Services. "But we do have problems as we attempt to maintain uniform temperatures throughout the buildings. Wilson Hall, for example, in the winter has the complicating factor of north-westerly winds, low humidity and concrete walls in the corner rooms. The result is that we frequently end up with cold spots well below 65°F.

"This is intolerable and forces us to make slight deviations from the guidelines. Our deviations, when required, will be on the side of human comfort. Except for the added warmth that you may get as the sun streams in, you cannot expect to be comfortable in the winter unless you dress warmly. In addition, it's a good idea to keep an extra jacket or sweater handy in your work area."

Paulk pointed out that any employee who has "a hardship due to the temperature, should call Buildings Management, Ext. 3824. They will check out the problem and seek a remedy."

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ALTERNATIVE HEALTH CARE PLAN: HMO

A health maintenance organization (HMO) plan is being offered as an alternative to Fermilab's current medical insurance plan.

A series of meetings will be held today through Feb. 21 by representatives from the HMO plan to explain the plan and to answer questions. All sessions will be in Wilson Hall auditorium. Today the meetings will be 4-5 p.m. and 7-8 p.m.; Feb. 20, 7-8 p.m.; and Feb. 21, 5-6 a.m.

The enrollment period began Feb. 17 and continues through Feb. 27. Coverage will become effective April 1.

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1980 VOLLEYBALL WRAPUP

More than 150 volleyball enthusiasts participated in the 1980 season. They played in two leagues organized to provide both competitive and recreational volleyball.

In another few months, many employees, users and their families again return to the court to play in what certainly is one of the most popular sports at Fermilab. According to Carolyn Hines and Rupert Crouch, 1980 league representatives, improvements in the organization of the leagues as well as in the court facilities east of the barn in the Village are being planned for this coming season.

Seven teams played in League II, a refereed competition. The team number and the captain and co-captains were: team 1--Bert Yost; 2--Chuck Ankenbrandt and Keith Meisner; 3--Tom Droege; 4--Rose Muth; 5--Ralph Pasquinelli and Greg Pucci; 6--Jim Zagel; and 7--Jim Fitzgerald and Ed LaVallie.

The final standings in League II for 1980 are:

First Round		Second Round	
Team	Match Points	Team	Match Points
2	22	2	23
4	17	5	18
5	15	4	15
6	7	1	11
1	7	7	7
3	4	3	5
		6	5

Seven teams competed in League I play, a recreational league (non-refereed). The teams and their captains and co-captains were: team 1--Jim Fitzgerald and Ed LaVallie; 2--Linda Even; 3--Bruce Brown and Mary Dahl; 4--Sharon Koteles and Barb Kristen; 5--Dave Shemanske; 6--Don Fichtel; and 7--Brian Pientak.

The final standings in League I for 1980 are:

First Round		Second Round	
Team	Match Points	Team	Match Points
2	16	2	14
1	15	1	14
4	8	4	10
6	8	6	9
5	7	5	7
7	6	7	5
3	4	3	4

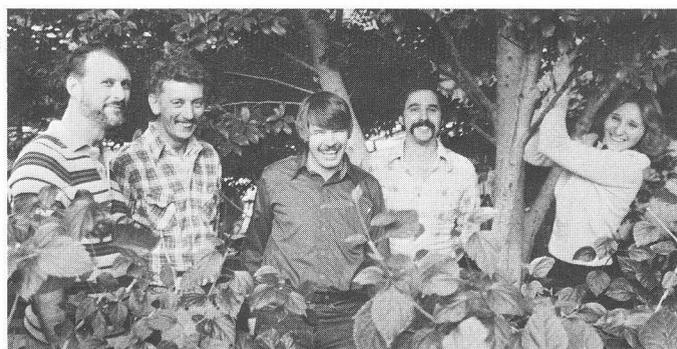
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Members of the champion team of volleyball League II (refereed) during the 1980 season are Sherry Hickey (insert); and L-R) John Cumalat, Mark Augustine, Linda Even, Romesh Sood, Keith Meisner (co-captain), Charlie Briegel and Chuck Ankenbrandt (co-captain). Not shown is Karen Ankenbrandt.



The champion team of volleyball League I (recreational) consisted of (L-R) Joe Gehard, Margarita Chaidez, Linda Even (captain), Romesh Sood and Karl Varga. Not shown are Drue Wallace, Carmen Valdes, Rupert Crouch, Stan Boyson and Mike Towle. Substitutes included Lloyd Klein and Roger Rice.



The team that finished second both in League I and in the League II tournament consisted of (L-R) Ed LaVallie (co-captain), Don Sorensen, Jim Fitzgerald (co-captain), Mike Frett and Pat Yost. Not shown are Jerry Rosen, Rol Johnson, Steve Fast, Shirley Simon and Kathy Simon.

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EMPLOYEES PITCH IN

A number of Fermilab employees assisted the Public Information Office with its tours during January.

They include Dick Auskalnis, Lee Brown, Linda Even, Dave Harding, Joe Heim, Brian Hendricks, Drasko Jovanovic, Willard Kautz, John Kowalski, Bill Merz, Tokio Ohska, Rich Orr, John Peoples, Bill Riches, Bill Riordan, Jay Schmidt, Ed Stitts, Tim Toohig, Jim Walker and Marv Warner.

Last month (January), more than 600 people in 15 groups toured Fermilab.

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ICE SKATING PARTY

NALREC will hold an ice skating party Feb. 21 at the skating pond by the Users Center in the Village.

It will run from 1 to 4 p.m. and is free and open to all Fermilab employees and users and their families--the kids included. Free hot chocolate and coffee will be available as well as several fires to take the chill off.

For more information about this family fun, contact Jim Fitzgerald, Ext. 3629, or Mike Frett, Ext. 4763.

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DISCOUNT BUYING CARDS AVAILABLE

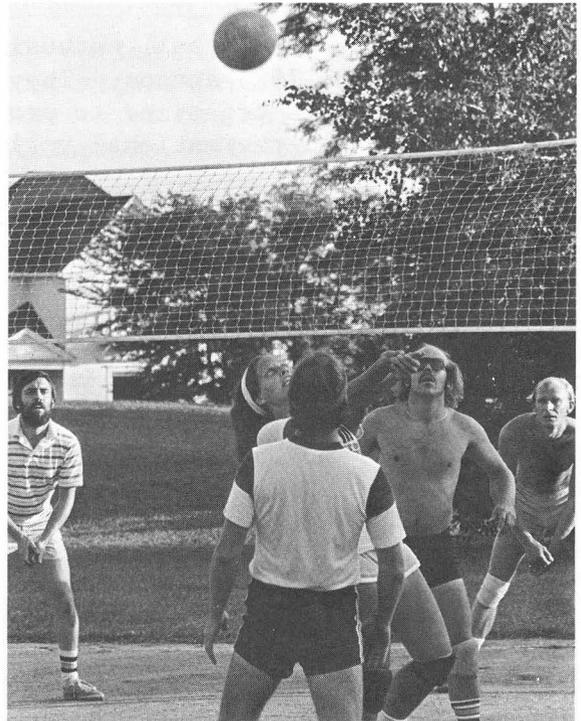
Membership cards for the National Buyers Federation, a discount purchasing organization, are available to Fermilab employees. They may be obtained from Helen McCulloch, WH1E, Ext. 3126. Items that may be purchased through the federation include new cars, used cars, furniture, appliances, draperies, carpeting, tires, stereo systems, television, jewelry, paint, wallpaper and many others.

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NEXT COLLOQUIUM SPEAKER

Jonathan Rosner of the University of Minnesota will be the Physics Colloquium speaker on Feb. 18. His talk on quarkonium will begin at 4 p.m. in Wilson Hall auditorium. Mark Fischler of Theoretical Physics will be his host.

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*Volleyball all-stars in action.
(L-R) Roger Rice, Linda Even, Lloyd Klein (back to camera), Bert Yost and Mark Augustine.*

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CONSTRUCTION TO CREATE PARKING HEADACHES

Construction of an addition to the Transfer Gallery on the east side of Wilson Hall has resulted in the temporary elimination of around 20-25 parking spaces.

Work at the site at the north end of the Transfer Gallery will probably continue for seven to nine months. In addition, the traffic flow has been changed from one-way counterclockwise to two-way traffic.

Rudy Dorner, head of Emergency Services, encouraged drivers to use common sense and to obey the posted signs. He also recommended drivers not use any of the parking spaces near Wilson Hall for long-term parking. Critically-needed spaces are tied up by vehicles that are left for days and weeks by their owners, for any of a number of reasons. Because the loss of those 20-25 spaces on the east lot will make parking more difficult for many people all around the Wilson Hall complex, cars that appear to be "stored" will be towed away, he added

FOR SALE:

- CARS VW BUG; red; 1965; one owner; 69,500 miles; very good condition; Ziebarted and well maintained. \$555.00. Call F. Cilyo, Ext. 4483 or 232-2151.
- Vega, 1972; 327; V8; turbo; 350 trans. Don Hardy kit; runs strong; must sell. \$1500. Call Jerry, Ext. 3630 or 897-5464.
- 1978 Ford F-250 Pick up; 4 wh. drive; never used for plowing; 43,000 miles. Extra heavy duty suspension; AM/FM cassette; 4 spd., PS and PB. \$4500. Call Barbara Bennett, Ext. 3865.
- 1976 Dodge B-200 Tradesman Van, 3/4 ton. PS, PB, Auto. Trans; 48,000 miles. Good tires; ladder rack on top. \$2300. Call Barbara Bennett, Ext. 3865.
- 1876 Honda CJ 360; 7000 miles; sissy bar; red; kick start; \$400. Call Tom, Ext. 3575 or 3576 or after 5:00 892-4118.
- HOMES Farmette; ranch style house; LR, DR, Kitch, 3 bdrms, 1 bath. 2-car garage; new barn on 1-1/3 acres. 5 mi. S of Aurora. Asking mid \$70's. Assumable mortgage at approx 11% interest. Call K. Kiro, 815-436-7211.
- 2-bdrm, 1976 Bayview Mobile Home, 14 x 70. Central air; carpeted; drapes; patio; disposal, dishwasher; many extras. 20 minutes from Lab. \$16,000. Phone Steve Dochwat, Ext. 3254 or 695-2643 after 5 p.m.
- MISC. Portable gas generator, 3000 watt; 110-220 volt; 8HP Koehler motor, \$300. Also 12 ft. ladder-\$25. Call Ed Dijak, Ext. 3011 or 690-1145.
- Flowering plants - Cineraria, Calceolaria, miniature Cyclamen. Call Howard Fulton, Ext. 3783 or 879-7566.
- Like new tire on Chrysler wheel, H78-14. \$20. Call John, Ext. 3088 or 355-4430.
- Recliner chair; good condition; \$50. 2 canvas folding cots, never used, \$13 each. Call Ed, Ext. 4255.
- GE Washer, heavy duty, 4½ yrs. old; \$100. Frigidaire Gas Dry er, auto. 2 years old; \$200. Call Mike Langston, Ext. 3467 or 896-2838.
- NOTICE: Ceramic classes near Waubensee College. Also greenware, supplies, finished gifts; call 557-2523.
- REWARD FOR LOST RING: Ladies gold diamond ring; lost on Wednesday, Feb. 4; at approx. 11:45 a.m. Gold mounting with 1 diamond in center; 1 chip on each side. Please call Jeff Meisner, Ext. 4447, 4455 or 4731.
- More
MISC.: 354 Hemi Chrysler engine; rebored; reringed; new valves; guides and bearings. \$1000 or best offer. Call Chief Wolf or Lieut. Lill, Ext. 3438 or 312-364-4236.
- Sears 50,000 BTU space heater; burns kerosene or No. 1 fuel oil; 2 yrs. old. \$115. Sears Rototiller: 5 h.p., worm gear drive; 2 yrs old. \$165. Building material: Celotex ½" 4x8 sheets - \$2 per sheet. Tires - two used snows on 4 bolt VW rims - \$20 pair. 1 used road on 5 bolt VW rim, \$5. For all the above call D. Trentlage, Ext. 3995 or 3412.