

FermiNews

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Fermi National Accelerator Laboratory

Fermilab to Be Designated as Nation's Sixth NERP

by Kevin A. Brown and John Paulk

Robert O. Hunter, Jr., Director of the Department of Energy's (DOE) Office of Energy Research, has, by memo, asked Hilary J. Rauch, Manager, DOE Chicago Operations Office, to proceed with the arrangements necessary to designate Fermilab as a DOE National Environmental Research Park - one of only six in the country.

An Environmental Research Park is controlled land where qualified investigators can conduct various types of environmental research. DOE established Research Parks, or Park-Nets, at various sites across the country in response to the National Environmental Policy Act of 1969, which defined the nation's goals of restoring, protecting, and enhancing environmental quality. Research Parks uphold the policy's goals by supporting a variety of environmental research projects within a Research Park's boundaries.

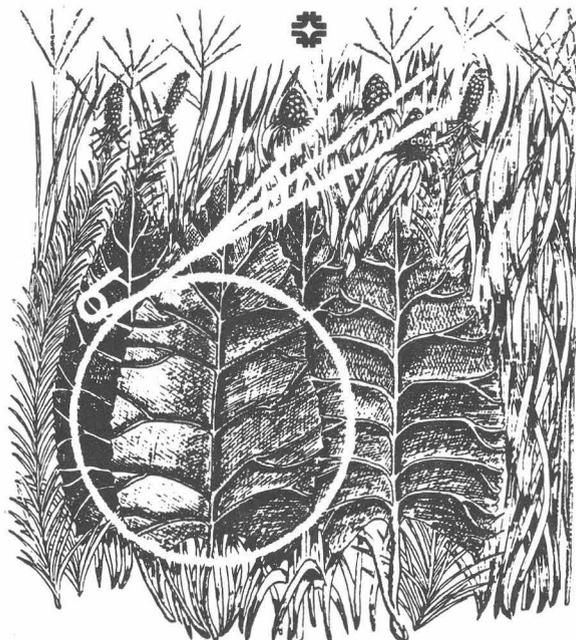
Fermilab will become the sixth Environmental Research Park in a nationwide network that includes Savannah River Ecology Laboratory and Oak Ridge National Laboratory to the east and Pacific Northwest Laboratory, Los Alamos National Laboratory, and Idaho National Engineering Laboratory to the west. Each Park supports unique and often rare ecosystems. "Adding Fermilab to the network fills a void in the central part of the country by providing a site that supports prairie and oak-savanna ecosystems unique to the Midwest," observed John Paulk (*RD/Adv. Comput. Prog.*), who serves as Fermilab's Park Coordinator. Fermilab is also fortunate to have many other kinds of natural and human habitats, including agricultural fields, woodlands, fencerows, grasslands, wetlands, and the Fermilab Village. "These habitats offer a wide range of research opportunities, especially in the areas of agroecosystem and landscape

ecology," Paulk said. Additionally, 26 archaeological sites have been identified at Fermilab.

The Research Park designation for Fermilab will apply to the entire 6800-acre site. But, according to Sam Baker (*DO/Safety*), "Certain areas within the boundaries will be excluded because of accelerator operations or other activities related to the Laboratory's primary mission of high-energy physics research." Even with these limitations, researchers have access to about 3700 acres encompassing woodlands, crop land, grasslands, wetlands, pastures, residential areas, and restored prairie.

Argonne National Laboratory Director Dr. Alan Schriesheim played a key role in establishing Fermilab as a Research Park. In 1984, he requested that a group of Argonne scientists be permitted to conduct terrestrial ecological research at Fermilab, and this started the chain of events that led to Research Park designation. Argonne will continue to supply expertise in environmental research, as the Research Park at Fermilab is a result of the joint effort between the two labs.

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Stockrooms to Close for Inventory

The Fermilab Stockrooms will be closed for annual inventory on the following schedule:

Wilson Hall Catacombs Stockroom: closed Friday, May 19, at 12:00 noon. Will re-open Monday, May 22, at 12:30 p.m. **Site 38 Stockroom:** closed Monday, May 22, and Tuesday, May 23, all day, both days.

Please plan accordingly. For questions or problems, call ext. 3808, the Supply Office.

Lab's Arts Series Has Hot Summer Tickets

The Fermilab Arts Series doesn't rest during the summer months! In fact, the Auditorium Committee has selected a series of folk, blues, jazz and storytelling events sure to uplift and entertain throughout the long hot months.

Tickets for all summer events are on sale now, and can be reserved by calling ext. ARTS (2787) or stopping by the Wilson Hall Atrium reception desk.



Deborah Henson-Conant

Latin American musical traditions are celebrated on May 6 with a double-bill program including Sotavento and David Hernandez & Street Sounds. Sotavento ensemble members hail from Chile, El Salvador, Mexico, Puerto Rico, and the United States, and they perform on indigenous Latin American instruments. Rhyme and rhythm come together when the fanciful imagery and prosaic story-telling of Chicago troubador David Hernandez is colored with the Latin American jazz of Street Sounds. Admission to the program is \$8.

Dorothy Donegan, a native Chicagoan turned Californian, has been playing jazz piano for more than 40 years. She is "not only a first class jazz pianist who can interpret a ballad with deep feeling or get the house rocking with back room boogie-woogie, but also a pre-eminent entertainer." She will be joined for her June 17th Fermilab performance by Larry Gray on bass and Joel Spencer on drums, as she was for her show-stopping performance in last September's Chicago Jazz Festival. Admission is \$12.

Jonathan Frid may be best known from his TV-role as vampire Barnabas Collins on *Dark Shadows*, but his four decades of theater works have proven him as an exceptional storyteller as well. Mesmerizing stories on the quirks of human nature make up *Fridiculousness: Jonathan Frid in a Lighter Vein* on

July 22. You'll be treated to stories by Groucho Marx, Robert Benchley, Saki, Somerset Maugham, and a new story by Jack Finney about a man who finds himself able to travel through time when he discovers a "third level" in Grand Central Station. Admission is \$7.

Harp are the oldest, and one of the most versatile string instruments in the world. Straight from the Harp, on August 26, samples some of the many varieties of harping, including the Celtic sounds of Sileas (Scottish harpers Patsy Seddon and Mary Macmaster), the Paraguayan harping of Alfredo Ortiz, and the jazz harp of Deborah Henson-Conant. You're in for a surprise if the harp only evokes celestial imagery in your mind! Admission is \$11.

So don't forget the Fermilab Arts Series in your summer plans!

An IBM PC-AT Compatible Solution

For the past three years, the Computing Department PC Carry-In Repair Service (now located in the Feynman Computing Center 3E) has been repairing the IBM-PC, PC-XT, and PC-AT line of personal computers.

IBM is no longer offering the PC line of personal computers. If additional such units are needed, a solution is a suitable compatible for the PC-AT that is on the market now and in the future.

Based on meetings, phone conversations, and a poll of various PC users at the Lab, it is apparent that the AST Premium 286 is "99% compatible" with the PC-AT, with a higher reliability rating based on usage/personal experience.

The Computing Department will offer carry-in repair support for the AST Premium 286. The following is a summary of the supportable standard configuration: AST Premium/286 Model 80 PC/AT compatible, 10 MHz wait state, 512 kB System RAM, 1.2 MB disk and controller, Keyboard, Miniscribe 70 MB hard disk or Micropolis 72 MB hard disk, Sony monitor (multi-scan, both horizontal and vertical variable frequency), EGA/VGA boards such as Video 7, Intel 80286-8 math co-processor, AST Advantage Premium memory module with 512 kB extended memory, Epson FX850 printer, cable for FX 850.

For copies of purchase orders or ordering or vendor information, contact Dick Adamo at FCC3E, MS 368, ext. 3180, or FNAL::ADAMO. - **Dick Adamo**

Heartland Blood Drive at Lab

The Heartland Blood Center will be holding a blood drive at the Laboratory from 9:00 a.m. to 2:00 p.m. on Thursday, April 13, 1989, in the Wilson Hall 1 West Conference Room. Should you need further information, call Sharon Koteles at ext. 3598.



The Activities Office.

Fermilab Basketball Winter Season 1988-89

The Fermilab Basketball League completed its fifth (indoor) season, with the close of the 1988-89 (15-game) winter schedule. Participation was strong, with six teams providing a refreshing blend of past veterans and rookies. This season featured spirited competition and good sportsmanship.

The three-time defending champion Hematomas, were edged out by the Lakers for first place in the closing weeks of the season. Third place came down to the final game of the season.

Team standings: (1) Lakers, W-14, L-1, pct. .933; (2) Hematomas, W-13, L-2, pct. .867; (3) Gryphons, W-7, L-8, pct. .467; (4) Valley Electric, W-7, L-8, pct. .467; (5) 76ers, W-3, L-12, pct. .200; (6) Whoops, W-1, L-14, pct. .067.

Thursday evening was the setting for several outstanding team performances, too numerous to list (due to time, space, and other influences on the Universe). The outstanding team offensive performance of the season was provided by the Hematomas scoring 114 points in week #14.

Team offense: (1) Lakers, 1227 total pts., 81.8 avg.; (2) Hematomas, 1218 total pts., 81.2 avg.; (3) Valley Electric, 1027 total pts., 68.5 avg.; (4) Gryphons, 852 total pts., 56.8 avg.; (5) 76ers, 818 total pts., 54.5 avg.; (6) Whoops, 781 total pts., 52.1 avg.

The outstanding team defensive performance of the season came when the Lakers held their opposition to 30 points in week #7.

Team defense: (1) Lakers, 812 allowed, 54.1 avg. (2) Hematomas, 872 allowed, 58.1 avg.; (3) Gryphons, 970 allowed, 64.7 avg.; (4) Valley Electric, 972 allowed, 64.8 avg.; (5) 76ers, 1137 allowed, 75.8 avg.; (6) Whoops, 1161 allowed, 77.4 avg.

One sidelight of the season was a closely contested race for individual scoring honors, which entered the final two weeks of the season with only five tenths of a point separating the first and third positions. The last two games saw accelerated net burning by each of

the top three point producers. Barry Norris (Gryphons) improved his production to 28.0 points per game. Al Sondgeroth (Hematomas) stepped up the pace on his scoring to 30.5 points per game. But in the end it was league leader Tyrone Thomas (Valley Elec.), who improved his offensive output to 38.5 points per game, outdistancing the field.

Leading scorers: (1) T. Thomas, Valley Electric, 289 pts. 24.1 avg.; (2) B. Norris, Gryphons, 279 pts., 21.5 avg.; (3) A. Sondgeroth, Hematomas, 320 pts., 21.3 avg.; (4) S. Takach, Lakers, 299 pts., 19.9 avg.; (5) B. LaVoy, Hematomas, 293 pts., 19.5 avg.

The regular season's Most Valuable Player, selected on the basis of contribution, sportsmanship, and influence on the outcome of his team's contests, was Steve Takach (Lakers).

Commissioner of Basketball Activities Fred Lewis believes that the league's operations proceeded fairly well, thanks to contributions and cooperation of all the team captains, and the overall enthusiasm of the participants.

Congratulations to one and all on a successful season, and good luck in the playoffs.

- N. M. Smith and F. Lewis

Day Camp

Fermilab will again sponsor three supervised day-camp sessions. Employees', visitors', and eligible Fermilab contractors' children who have completed the 1st through 6th grades (ages 7 through 12) are eligible. Session dates will be: June 12-July 27; July 10-August 4; and August 7-August 25.

The program will be held in the lower level of the Village Barn, Mondays through Fridays from 7:30 a.m. until 5:30 p.m. Registration is available for full days and half days. The program consists of a large variety of activities such as arts and crafts, sports, field trips, and films. Cost for the first and second session is \$200/child for full days and \$100/child for half days. Cost for the third session is \$150/child for full session and \$75/child for half session.

Registration forms have been mailed. If you do not receive a form in the mail and are interested in enrolling your child/children, please call Jean at ext. 3126, and a form will be mailed to you.

Pre-Summer Shape Up

The next ten-week session of low-impact aerobics will begin April 24. These exercise classes include

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"NERP" continued from page 1

Although Fermilab lacked official designation during the past three years, in many respects it has already functioned as a Research Park. To date, eight research projects have been received and approved. These projects, all currently ongoing, include studies of soils, plant parasites and fungi, surveys of insects, mammals, and birds, as well as woodland management by the use of fire. The effect of insects and plant parasites on certain weeds is also being studied.

Funds are typically provided by researchers and their sponsoring organizations. Researchers come from a variety of sources, including Argonne, Albion College, Wheaton College, Morton Arboretum, Chicago Academy of Sciences, Northern Illinois University, and Northeastern Illinois University, as well as private citizens. Because of many common interests and goals, the Fermilab Prairie Committee is closely involved with the program. Several researchers on approved projects attend monthly meetings of the Fermilab Prairie Committee.

In anticipation of the Research Park designation, Fermilab Director Leon Lederman appointed an Environmental Advisory Committee several years ago. The six-member committee, comprised of specialists in botany, biology, and zoology, reviews each research proposal in a selection process that parallels that of the high-energy physics research program. Proposals are evaluated in terms of scientific merit, availability of a suitable research site, compatibility with other activities, and potential contribution to the objectives of the Research Park program.

"I'm pleased with the official designation," said Vicki Byre, Ornithologist at the Chicago Academy of Sciences. Byre has recorded at the Lab 227 of the 304 species of birds found in Illinois. She feels that the network will improve the effectiveness of large-scale research by helping scientists create larger, more comprehensive data bases.

Fermilab and the other Research Parks collectively possess impressive resources that can be used for finding answers to the complex and poorly understood ecological relationships that need to be investigated. Through the network of Research Parks, scientists can approach environmental problems at a number of levels and perhaps formulate sound solutions to these problems. Mindful of that, the DOE Office of Health and Environmental Research, direct sponsor of the program, is strengthening the Park network and preparing each one to take on a more significant role in environmental research.

Congratulations to:

Teresa and Ron (*RD/EED*) Cudzewicz on the adoption of Jordan Christopher on March 13, 1989, at 8:50 p.m. Jordan weighs 6 lbs, 5 ozs, and is 18 in. long. He joins big brothers Jonathan and Jeremy.

"Activities" continued from page 3

low-impact routines, arm and waist exercises, floor-work and stretching for cardiovascular benefit, muscle toning and flexibility. The class format allows each individual to work at their own level of fitness. Classes are held on Monday, Wednesday, and Friday from 5:30 p.m. to 6:30 p.m. in the exercise room at the Village Recreation Center, 16 Potowatomi. The fee for these classes is \$1.00 per class. To register for aerobics call Jean Guyer, ext. 3126. Gym membership is required. - Jean Guyer

FermiNews Cla\$\$ified Ad\$

FOR SALE

Miscellaneous:

GUN CABINET, six-gun capacity, cherry finish w/glass door and one drawer, both lockable. \$60. Call Willard at ext. 4169 or 232-0282.

BICYCLES: man's Free Spirit, 26 in., 10-spd., \$140. Man's ALPRO, 26 in., 10-spd., \$45. WATER HEATER, King, coal burning, \$95. SPEAKERS, Magnavox, cabinet style, \$65/pair. CONSOLE TV, Curtis Mathes, 25-in. diagonal, \$145. 1974 KAWASAKI KZ400, \$250. Call Jim at ext. 2263.

ORIENTAL RUGS, excellent condition, 6 x 9 ft, \$125; 5 x 8 ft, \$90. ANTIQUE CHINA CHEST, \$150. BEDSPREAD AND COMFORTER, eyelet-edged, almond, queen size, new in package, \$80. BEDSPREADS, queen size, \$15-\$25. DECORATOR PILLOWS, LAMP SHADES, DRAPES, RUGS. Call Mark at ext. 4339 or 393-6427.

Motorized Vehicles

1983 BUICK LE SABRE LIMITED, full size, 4-dr., V8, full power, 82K mi., book price sale: \$4700. Call Jim, ext. 4841 or 365-2465 after 5:00 p.m. Will consider trade for van.

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A Proclamation

Whereas, Fermilab is a national laboratory devoted to research in the basic science of high-energy physics;
and

Whereas, Fermilab is supported by public funds proposed by the **President**, voted upon by the **Congress** and administered by the **U. S. Department of Energy**;
and

Whereas, it has been ordained that April 23-29 is to be known and celebrated as **National Science and Technology Week 1989**;
and

Whereas, a greatly enhanced public awareness of the excitement, the importance, the necessity of **Science and Technology** is deemed crucial;
Therefore,

We hereby proclaim **National Science and Technology Week** applicable to **Fermilab** and we encourage all staff to attend to, cooperate with, join in on any and all activities designed to celebrate this fourth annual observation of **National Science and Technology Week**.

In Witness Whereof, I have hereunto set my hand.
Done at Fermi National Accelerator Laboratory this
fourteenth day of April, in the Year of Our Lord
one thousand nine hundred and eighty-nine.


Director

