

ENERGY SAVER MAGNET AND NEGATIVE HYDROGEN ION SOURCE EARN NATIONAL RECOGNITION

Fermilab's energy saver dipole magnet and negative hydrogen ion source have been recognized by Industrial Research and Development magazine as among the 100 most important technological achievements worldwide of 1979 and each given the magazine's prestigious I-R 100 Award.

The presentation ceremony was held at the Museum of Science and Industry in Chicago. Robert R. Wilson, Fermilab's first director and now director emeritus, was cited as the developer of the magnet. Hank Hinterberger, head of Technical Services, attended on his behalf. Chuck Schmidt was named as the developer of the ion source. A physicist engineer with the Linac group here, he is one of the key scientists who refined the negative hydrogen ion source to meet the demanding accelerator criteria. (See story in July 31, 1980, issue of FERMINews.) Receiving the awards for Fermilab was Russ Huson, head of the Accelerator Division.

The "I-R 100" award goes to the 100 new products, processes and materials selected by the competition judges as the most significant technical advances of 1979. Robert R. Jones, editor of the magazine and chairman of I-R 100 awarded plaques to representatives of the winning companies which include the "cream" of industrial high technology companies. The award-winning products are the benchmarks in a technologically-oriented society, according to Jones. The winning products were selected on the basis of their uniqueness, importance and usefulness from a technical standpoint.

Now in its 18th year, the I-R 100 award is the only such recognition of this nature in the world. This the the first year Fermilab scientists submitted products in the competition. Other national laboratories are consistent winners. Argonne National Laboratory has won 19 I-R 100 plaques; Oak Ridge National Laboratory, 22.

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*Hank Hinterberger (left) Chuck Schmidt hold plaques.*



*Russ Huson accepts recognition for Fermilab. (Another photograph is on page 2.)*

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*Ceremony participants study the Fermilab exhibit in the west wing of the Museum of Science and Industry. This exhibit along with others installed by many of the award-winning organizations will remain open to the public through Oct. 12. The Museum is open seven days a week. Chuck Schmidt is second from left.*

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#### PRAYER DAY

President Carter has declared Oct. 6 as Prayer Day. In response, the Fermilab Noon Hour Bible Study Group will hold a special session of prayer that day from noon to 12:30 p.m. in the Black Hole, WH2-NW. The session is open to everyone. Prayers will be given for the country, for the hostages in Iran and for other needs.

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#### NEXT COLLOQUIUM SPEAKER

Dr. Michael Rosenthal of the U. S. Arms Control and Disarmament Agency, Washington, D. C., will speak at the colloquium Oct. 8. It will begin at 4 p.m. in Wilson Hall auditorium.

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#### 3:19:10 - HIS BEST YET

Dwaine Hampton of Receiving ran the America's Marathon/Chicago in 3 hours, 19 minutes, 10 seconds, his best time of the three marathons he has competed in. An avid runner, Hampton finished 773 in a starting field of 5,000. The marathon was run Sept. 28, with Daley Center Plaza the starting point of the 26-mile run.

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#### THE FILMS OF JOHN FORD

Four of John Ford's most outstanding films will be shown at Fermilab Oct. 10 and 11.

It is another weekend festival of films presented by the Fermilab International Film Society with the focus on one of the country's outstanding film-makers. The admission price is \$2 for each film. They are:

"Stagecoach," 7 p.m., and "Fort Apache," 9 p.m., both Oct. 10, and

"My Darling Clementine," 7 p.m., and "She Wore a Yellow Ribbon," 9 p.m., both Oct. 11.

In this 1939 production of "Stagecoach," John Wayne, Thomas Mitchell and Claire Trevor star. Regarded as one of the most popular westerns of all time, this movie helped skyrocket John Wayne to stardom with his portrayal of the Ringo Kid, a notorious gunman. Some critics consider the film the purest, most classically beautiful western of the 30's.

Henry Fonda, John Wayne and Shirley Temple star in "Fort Apache." The plot revolves about a demoted Civil War general who is blinded by his thirst for revenge and his search for glory. He plunges his men at the frontier post into a fierce and bloody conflict even though his subordinates counsel him against it.

It's Henry Fonda again, this time supported by Linda Darnell, Ward Bond, Walter Brennan and Victor Mature in "My Darling Clementine." This is another of the films that helped build Ford's solid reputation as a director. With "Stagecoach" considered the classical western of the 30's, Clementine holds the same position for the following decade. Much of this film is based on true stories of the American West, especially the famous gun fight between Wyatt Earp and the Clanton Gang in 1880 near Tombstone, AZ. Critics regard Fonda's role as Wyatt Earp as one of his greatest performances.

John Wayne returns in Yellow Ribbon, which also stars Joanne Dru and Victor McLaglen. This film earned Ford an Academy Award for photography. The action takes place soon after the Custer massacre, with Wayne portraying a captain, near retirement, of the U.S. cavalry troop.

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## CHILDREN'S CENTER A FASCINATING WORLD

Fermilab's Children's Center at 16 Potawatomi in the Village is an open window to a fascinating world of new ideas and projects and a place where children of many cultures share in their excitement of learning.

The center not only provides quality care for children primarily ages 3 to 6, but also immerses them in an impressive array of intellectual and physical activities. It's there for the convenience of employees and users who work at Fermilab and need this service. The center's hours correspond closely with the Laboratory's day working hours, mainly Monday through Friday, from 8 a.m. to 5:30 p.m.

A full-day program costs \$168 each month, and the half-day program is \$96 each month. There is an additional charge of \$25 for lunch. The Accommodations Office on the first floor of Wilson Hall has applications and can provide additional information by calling Ext. 3082. The staff at the center, Ext. 3762, also is pleased to answer questions.

That staff consists of Linda Braddy, center director and a teacher, and Patti Hedrick, also a teacher. Against the typical background of youngsters enjoying themselves, the teachers lead a progressive educational curriculum that gives each youth the opportunity to move at his own most comfortable pace. "The center is not a one-day baby sitting service, but rather a wholesome educational environment that we hope the parents will take advantage of by enrolling their children for extended periods of time," said Cynthia M. Sazama-Reay of the Accommodations Office.

Linda described the center's curriculum as a "rounded program" that includes gym, field trips, play acting, arts and crafts, reading readiness and exchanges of ideas and information about cultures. Parents and their children also do things together on special occasions, such as at the parents-children picnic.

Braddy added that the center is not a school, but instead an excellent opportunity for children to "learn the things they need to know before they enter school." Linda and Patti are certified teachers.

"The success and continuation of this program depends entirely on enrollment," said Sazama-Reay.

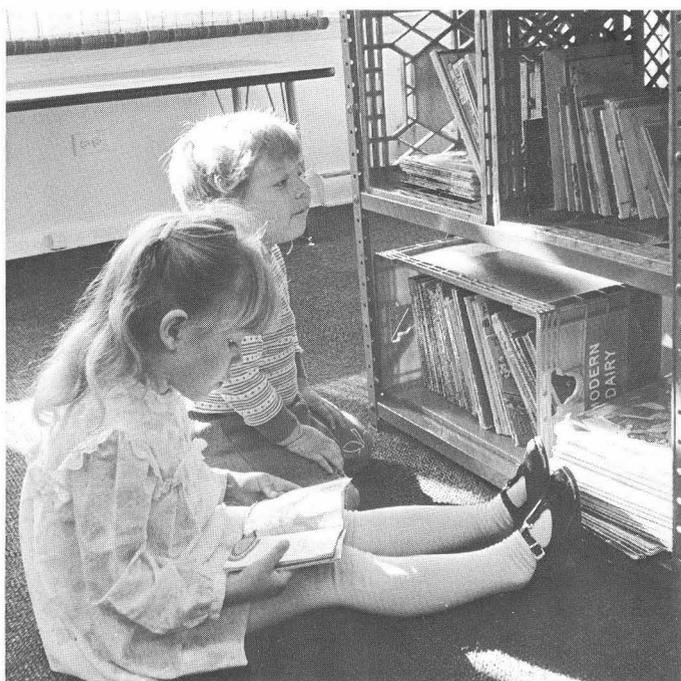
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*Play time. Linda Braddy at left and Patti Hedrick in doorway.*



*Snack time with Linda.*



*Read at your own pace.*

## OLD MARATHON RECORD BLASTED AWAY

A talented group of seven users destroyed the old Main Ring marathon record with a new time of 3 hours, 20 seconds on Sept. 24. The previous record was 3 hours, 19 minutes, 25 seconds set by members of the Electrical-Electronics Support Group, Accelerator Division, on Aug. 8.

In the marathon, a group of competitors run once around the Main Ring and the best seven times are added together. This, in essence, equals 26.6 miles, the marathon distance.

Setting the new record, the experiments they are assigned to and their times are Greg Snow, E-612, 22:28; Bruce Collick, E-272, 23:31; Ken Edwards, E-585, 23:46; Dino Goulianos, E-612, 24:15; Steve Errede, E-531, 28:09; Dale Pitman, E-531, 28:10; and Bert Yost, E-609, 30:01. The timekeeper was Mark Augustine. The run began at 6 p.m.

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## FIRE PREVENTION WEEK

Illinois will observe Fire Prevention Week Oct. 5-11.

But Fermilab Fire Chief Ralph Kramp said that "fire prevention is a year round effort." He urged employees with questions about "fire safety and prevention as well as home detection and portable fire extinguishers" to call the Fermilab Fire Department anytime at Ext. 3428.

In addition, demonstrations for Fermilab groups about how to use fire extinguishers and hose cabinets can be arranged.

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## RELOCATION INFORMATION

A number of relocations are now going on in Wilson Hall. As they are completed, FERMI NEWS will report them along with the new phone numbers and mail stations.

The Accommodations Office has been consolidated and is now located at WH1E. John Barry, Cynthia Sazama-Reay and Barbara Burwell can now be reached on Exts. 3082, 4598 and 4599. Helen McCulloch's phone number remains the same, Ext. 3126. Joan Bjorken, Guest Office, is now at WH1E, Ext. 3440. Their mail station is 125.

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*From the left Hazel Cramer, Bill Ross, Lu Zhen and Ellie LaFountain prepare a sample lunch for the Chinese meal planned for Oct. 9 in the cafeteria. The final menu, mainly created from Lu Zhen's recipes, will consist of egg rolls, fried rice, princess chicken, beef with pea pods, and shredded pork. The special lunch is part of Fermilab's observance of Illinois Arts Week, Oct. 4-11, a statewide festival in recognition of the arts.*

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## CHEZ LEON

Chez Leon is open while Chef Tita Jensen is on maternity leave. Reservations may be made by calling the Fermilab cafeteria, Ext. 3646. Menus for next week are:

Tuesday, Oct. 7, 7 p.m., \$9: fresh mushroom soup en croute, hearts of iceberg lettuce w/beefsteak tomato slices, surf 'n turf, baked potato, sherbert cooler.

Wednesday, Oct. 8, 12:30 p.m., \$4.50: featured item, avocado soup, watercress salad and mushrooms, grilled lamb chops, rice pilaf w/pine nuts, broiled herbed tomatoes, chocolate cheese cake. Alternate entrees, beef tenderloin oriental-kikkoman sauce, sauteed scampi, Fermi sauce piquante, New York strip steak, natural beef juices, bay scallops, tartar sauce.

Thursday, Oct. 9, 7 p.m., \$9: frog legs provencal-flambe, salad mimosa, loin of lamb wellington, harem rice, baked egg plant, floating island.

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