

FERMINEWS

 Fermi National Accelerator Laboratory

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...J. Bardeen (L) and guests at Nobel Hall dedication...

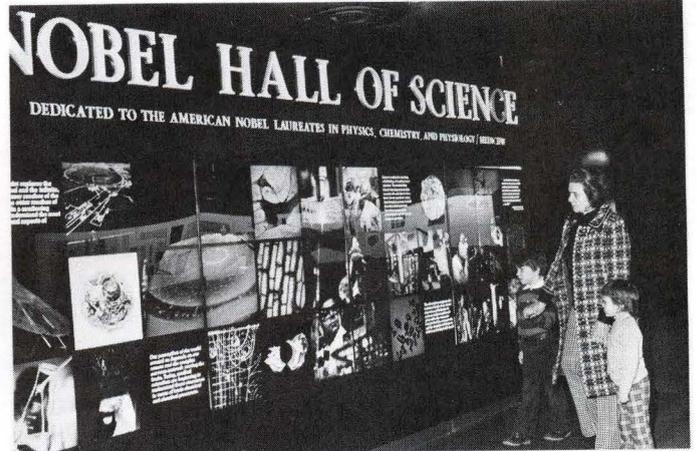
MUSEUM FEATURES FERMILAB

Fermilab's 15-foot bubble chamber, Main Ring and beam lines are pictured in a new exhibit at the Museum of Science and Industry, Chicago.

A "Nobel Hall of Science" was dedicated in ceremonies last month. The hall is the first of its kind in the world. It honors 115 American Nobel laureates in physics, chemistry and medicine. Explained are the contributions of America's scientists and how their discoveries have been applied to meet mankind's needs.

One of the Nobel laureates attending dedication ceremonies was Dr. John Bardeen, professor of physics and electrical engineering at the University of Illinois. He is the father of William Bardeen, a Fermilab theory department physicist. John Bardeen received two Nobel prizes in physics and was among a Nobelists advisory committee assisting in planning the hall.

Photos, slides, working models, a film and historic artifacts tell the stories of the scientists and their work. Participation units let visitors reenact famous experiments, or set into motion models which simulate scientific procedures. These include a simulated cyclotron, showing how physicists accelerate nuclear particles; a bubble chamber model revealing detection



...Visitors to Nobel Hall are welcomed by pictures, including Fermilab views...

of subatomic particles; and a real spectroscope, showing how chemists analyze light from various sources.

Fermilab's 15 ft. bubble chamber is simulated in the section describing the work of Donald Glaser who won a Nobel prize in 1960 for the invention of the bubble chamber.

Other exhibits note genetic research and current scientific interest in DNA--genetic engineering. A slide show also reviews highlights of achievements by the Nobelists working on vascular surgery, immunization against yellow fever and cancer treatment with hormones.

The first Nobel prizes were awarded in 1901. They are named for Alfred Nobel, a Swedish chemist who invented dynamite. He died in 1896, leaving a fortune to further science and peace.

The United States has produced the largest number of Nobel prize winners--115. Of American winners, most have been in medicine and physiology.

The exhibit was made possible by grants from the National Science Foundation, the Nobel Foundation and 30 other organizations.

The Museum is at 57th St. and Lake Shore Drive, Chicago. Admission is free.

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...JAPANESE FASHIONS and flower arranging techniques highlighted NALWO's 1978 spring dessert-tea May 10. The event was held at the home of Dr. and Mrs. R.R. Wilson. Wives of Japanese



visitors provided the program, including dressing Mrs. Sandra Cox (above) in a kimono. Visitors arranging the program were Mrs. Kirsi Miettinen, Mrs. Takako Muta, and Mrs. Masaki Miyajima...

FERMILAB ARBOR DAY TUESDAY

An all-Laboratory "plant-in" is set for Tuesday (May 23). Fermilab Arbor Day, postponed from April 28, will be held from 10:30 a.m. to 1:00 p.m. Continuous shuttle service will provide roundtrip transportation between the Central Laboratory and the industrial area, site of the 1978 planting effort.

The first 100 participants will receive a free, potted miniature Chinese evergreen tree. Also, refreshments will be available. Volunteers are asked to bring tools. For more information, contact Harry Barber at Ext. 3445 or Jose Poces at Ext. 3235.

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"MISSION TO MOSCOW"

Employees/users are invited to view "Mission to Moscow," a short film showing how a 40-ton superconducting magnet was moved from Argonne National Laboratory to Moscow.

On Friday (May 19), the sound color movie will be shown every 15 minutes from 11:30 a.m. to 1:00 p.m. in the CL-1W conference room. Belding Engineering, W. Chicago, produced the film. Tom Atkins, Belding marketing director, will provide more information.

The magnet is being used in joint electrical generation tests by the U.S. and Soviet Union through 1979. Generating a magnetic field of 50,000 gauss--more than 250,000 times earth's magnetic field--the magnet is a key component in the U.S.S.R.'s U-25 magnetohydrodynamic power plant, the largest in the world.

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ANONYMOUS FLORENCE NIGHTINGALE

A big thank-you goes to an unidentified woman who gave first aid at an on-site auto accident Monday, May 8. Two drivers collided about noon on Road D, between the Buffalo farm and Eola Road. Fermilab fire protection department paramedics reported the woman was assisting when they arrived. According to the paramedics, she had a personal first aid kit and was applying a bandage to stop bleeding from a victim's head injury. The good Samaritan left the scene without anyone learning her identity. To her we say: thank you for getting involved.

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PLANTS TO PERUSE/PURCHASE

A plant sale will be held by NALWO Thursday, June 1, from 11 a.m. to 1:00 p.m. The CL-1W conference room will be converted to a floral shop for the sale. Pick a plant and support NALWO.

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1978 FERMILAB BOWLING AWARDS BANQUET

Fermilab bowlers celebrated the 1977-78 season with an awards dinner-dance April 29 at the Embers Restaurant, Elgin.

FIRST PLACE TEAM
"7 Down"

Tony Albano Jean Plese
Max Palmer Art Streccius
John Robb, captain

| | <u>HIGH AVERAGE</u> | <u>HIGH SERIES</u> | <u>HIGH GAME</u> | <u>MOST IMPROVED</u> |
|--------|---------------------|--------------------|--------------------|----------------------|
| MEN: | Paul Kurylo (183) | J. Dyche (651) | Randy Schenk (254) | Max Palmer |
| WOMEN: | M. Richardson (154) | J. Coleman (559) | P. Mascione (222) | Sharon Koteles |

HIGH TEAM SERIES: Sleepers (2899), Jerry Dyche, captain
HIGH TEAM GAME: Time Out (1031), Harlan Dick, captain

1978-79 Officers: Karl Varga, president; Larry Tate, vice-president; Marion Richardson, secretary/treasurer; and Debbie Stitts, recording secretary.



...1977-78 Officers, (L-R) M. Richardson, secretary/treasurer; E. Brown, recording secretary; S. Koteles, president; and E. LaVallie, vice-president...

...First place, (L-R) T. Albano, J. Plese, J. Robb, M. Palmer, and A. Streccius...



SHARON
KOTELES
Most
Improved
(Women)



MAX
PALMER
Most
Improved
(Men)



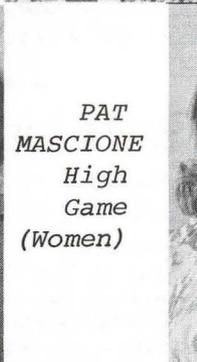
PAUL
KURYLO
High
Average
(Men)



MARION
RICHARD-
SON
High
Average
(Women)



RANDY
SCHENK
High
Game
(Men)



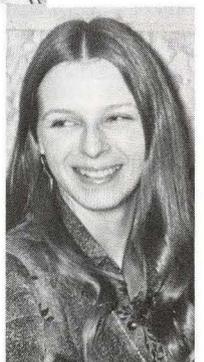
PAT
MASCIONE
High
Game
(Women)



JERRY
DYCHE
High
Series
(Men)



JACKIE
COLEMAN
High
Series
(Women)



PINE STREET GATE CLOSING

In about two weeks, the Pine Street entrance will be closed temporarily for several days. D.A. Sauer, Site Services, said the closing is necessary to erect a metal arch between the gate house and Kirk Road. Exact closing dates for the Pine Street entrance are dependent on the weather and will be announced in advance.



CANCER REPORT JUNE 2

Dr. Mary Catterall, an expert in cancer treatment with neutrons and radiobiology, will speak at Fermilab on Friday, June 2. She will give a report on fast neutron therapy at 3:00 p.m. in the CL-1W conference room. The meeting will be open to the Laboratory community.

Dr. Catterall is consultant in charge at the fast neutron clinic of Hammersmith Hospital, London, England. Dr. Catterall is among scientists who have been conducting radiobiological and clinical research for over a decade. They are credited with reviving interest in neutron radiation therapy after it originated in 1941 at Berkeley.

Dr. Catterall's appearance is sponsored by the Fermilab Cancer Therapy Facility. Previous speakers in a series have been: Dr. Lionel Cohen, Fermilab CTF head; Dr. Jo Cunningham, Ontario Cancer Institute; and Dr. G.W. Barendsen, Radiobiological Institute, Rijswijk, the Netherlands.

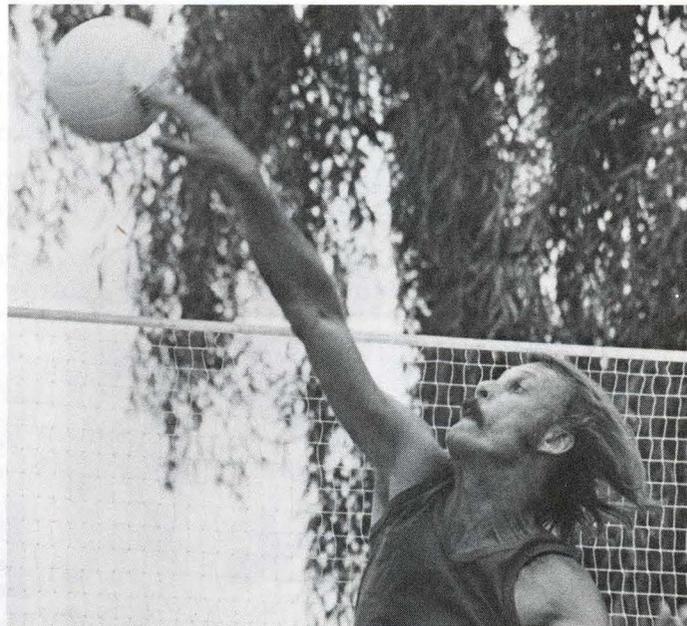
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SUPERCOLD WAS HIS TOPIC

Claus Rode (Energy Doubler) addressed "Cryo '78," a conference to explore future energy resources. He spoke on high energy physics, superconducting magnets and cryogenic systems Wednesday (May 17) at the Sheraton Oak Brook. The conference was sponsored by the Cryogenic Society of America (CSA), Inc., a non-profit technical society. Rode is president of the CSA midwest chapter.

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CONGRATULATIONS ... to Elaine and Larry Allen (Accelerator) on the addition of Amanada Louise to their family on May 8. Amanda joins two sisters, ages 5 and 2.



...E. LaVallie in 1977 Fermi volleyball action...

EMPLOYEE VOLLEYBALL OPENS MONDAY

Play will begin Monday (May 22) in the 1978 Fermilab employee volleyball league. Volleyball--with about 165 people signed up--is the most popular Laboratory-sponsored participant sport says Helen Ecker, recreation manager. This year's league, the third annual volleyball loop, comprises 10 teams. Play is set for 5:15 p.m. on Monday, Wednesday and Thursday. For the first time, two courts will be used simultaneously. They are in the Village recreation area east of the swimming pool and south of the baseball diamond. A league champion will be crowned based on games won during the season. The volleyball league has its origins in recreational play begun on Monday nights in the summer of 1975.

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BALLET CONCERT REMINDER

Fermilab's first all-classic ballet concert will be given Saturday, May 27, at 8:30 p.m. in the Fermilab auditorium. Contact the Guest Office for tickets.