

April 14, 1983
FERMI NATIONAL ACCELERATOR LABORATORY

FermiNews

ANNUAL USERS MEETING HERE APRIL 22,23



Sherry Balika (left) and Helen Crow mail approximately 1200 Users Annual Meeting announcements to interested individuals in the physics community.



Phyllis Hale and Maris Abolins, chairman of the Users Executive Committee, discuss the program for the Annual Meeting on April 22 and 23.

by Phyllis Hale

What happens every spring and causes users to take on the corporate image? The Fermilab Annual Users Meeting, a two-day event to be held this year on Friday and Saturday, April 22 and 23.

The Fermilab Users Organization meets yearly to summarize activities for the past year and to inform the user community of developments at Fermilab, schedules, and future plans. The organization is now sixteen years old and is comprised of scientists and engineers interested in high-energy physics and involvement in the experimental program at Fermilab. About 300 members of the organization are expected to attend the Annual Meeting. Between annual meetings of the regular membership, the day-to-day business is conducted by a 12-member executive committee, better known as
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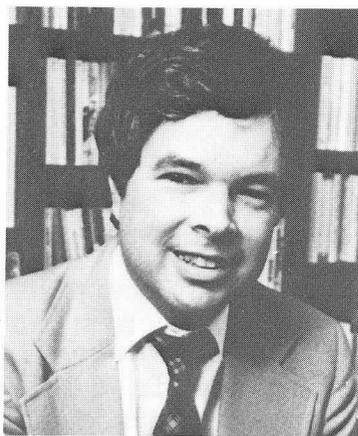
UEC SETS TIMELY, INTERESTING MEETING PROGRAM

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the Users Executive Committee (UEC). Maris Abolins of Michigan State University is this year's chairman.

Registration begins at 8:30 a.m. Friday followed by the Executive Committee report from the chairman. Wolf Prize recipient (and Fermilab director) Leon Lederman will give a "State of the Laboratory" address followed by talks by H. Guyford Stever, president of Universities Research Association, and Alvin Trivelpiece, Director of Energy Research for the U. S. Department of Energy. After lunch, John Peoples will speak about the status of the Tevatron I project and D0 Experimental Area; Alvin Tollestrup will review the Collider Detector Facility, and J. D. Bjorken will give an overview of the Fermilab Dedicated Collider. A special session will be devoted to the Woods Hole Subpanel with Stan Wojcicki of Stanford University giving a short talk and hosting the discussion period. Wrapping up Friday's meeting will be Maury Tigner, Cornell University, who will talk about the "20-TeV Workshop Results."

Saturday morning's session will begin at 9:30 a.m. with a Saver Status Report by Peter Limon and a review of the Fermilab Fixed-Target Experimental Areas by Ken Stanfield. Taiji Yamanouchi will bring users up to date on the latest schedule and Al Brenner will speak concerning--what else?--"Computer Acquisition."



Kenneth G. Wilson,
1982 Nobel Prize
Recipient in Physics

A talk by Ken Wilson of Cornell University at 2 p.m. will start the Saturday afternoon portion of the meeting. "Status of Heavy Lepton Searches" is the title of the talk to be given by Marty Perl, Stanford Linear Accelerator Center and co-recipient of the Wolf Prize. Abolins will summarize the meeting about 4 p.m.



Left to right Teri Martin, Sue Grommes, Jenny Rapovich, Phyllis Hale, and Sherry Balika discuss registration details for the Users Annual Meeting. Also helping on registration but not pictured is Lois Psonak.

Another matter of business that concerns the Annual Meeting date is nominations to the Users Executive Committee. There are six vacancies each year for a two-year term to the committee. Any ten members of the Users Organization may nominate a candidate for the slate; nomination forms are available in the Users Office, Wilson Hall 1E and should be returned to Phyllis Hale in the Users Office no later than noon Saturday, April 23. Elections will be held in May.

"RISKY" TICKETS STILL AVAILABLE

Tickets are now available at the Information Desk in the atrium of Wilson Hall for the next Fermilab Lecture Series program featuring Sorell L. Schwartz. On Friday, April 29, at 8 p.m. in Ramsey Auditorium, Dr. Schwartz will discuss "risk assessment" in his talk, "How Risky Is Risk? How Safe Is Safe?"

"Risk assessment" is a decision-making tool that attaches numbers to the various environmental hazards around us. Schwartz, Professor of Pharmacology at Georgetown University Medical Center, also serves as Scientific Director of the Center for Environmental Health and Human Toxicology. Schwartz's involvement with "risk assessment" has led him to promote public understanding of risk issues and the judgments we, the non-experts, should make in the face of confusing and incomplete information about our modern technological world.

SAVER CEREMONY STARTS FINAL FRENZY TO FINISH!

by Thornton Murphy

On Friday afternoon, March 18, the last of the 990 superconducting magnets which comprise the Energy Saver was installed beneath the Main Ring with much fanfare. About 70 Fermilab officials and workers and representatives of the Department of Energy gathered at A-49 in the Main Ring to witness the event. There followed an even larger celebration in the atrium of Wilson Hall.

During the morning of the same day, the last of the 774 dipoles had been unceremoniously set-apart from a handwritten sign on the magnet saying "The Last Dipole-Treat Me Nicely" and a videotape unit which recorded the installation technique for posterity. At 3:30 p.m. that afternoon, following an earsplitting whistle to clear the spectators, the last quadrupole was towed into the area. Riding shotgun on the tractor was Leon Lederman, wearing a necktie and appearing to be in command. In a



Helen Edwards, in signing the placard, recognizes the work of many individuals in culminating the Energy Saver superconducting magnet installation on March 18.

Leiss and Bill Wallenmeyer of DOE, who flew in from Washington, and Fred Mattmueller and Bob Bauer of Chicago DOE.



Leon Lederman (left) riding shotgun on the Ugly Duckling in the Main-Ring tunnel with Don Scully, a Belding employee.

This milestone brings to a close 21 months of steady effort to install magnets in the Energy Saver. The effort was interrupted only by the 400-GeV physics run during the first six months of 1982 and occasional pauses while waiting for more magnets to be produced. The actual work was done by a seven-man team of operators, ironworkers, and millwrights supplied by Belding Corporation, under the supervision of the Accelerator Mechanical Support Group.

This doesn't mean that the Energy Saver can be turned on tomorrow. There remain a few spool pieces and non-magnetic elements to install before the ring is complete, and the major task of connecting the magnets and leak checking the strings of magnets has yet to be completed in one-sixth of the ring. In addition, mechanical, electrical, cryogenic, and controls technicians are working feverishly to complete their parts of the Saver. The Main-Ring group and the Accelerator Operations group are working around the clock on three-day weekends to recommission the Main Ring, now reduced to a 150 GeV "injector" to the Energy Saver.

record time of 12 minutes, three millwrights offloaded the magnet and inserted it in its slot under the Main Ring. Following a round of applause, the workers and the assembled dignitaries all signed a large placard on the magnet bearing the inscription "The Last Magnet Installed in the Energy Saver." In addition to the Director, Associate Director, and nearly all the division and section heads of Fermilab, the ceremony was attended by Jim

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Watching millwrights install the last superconducting magnet are (left to right) Leon Lederman, Dick Lundy, Thornton Murphy, Andy Mravca of DOE, Rich Orr, and Wally Peterson of Belding Corp.

In much the same spirit as the last lap of a very long foot race, there is much excitement, enthusiasm, and extra adrenalin being expended as the end comes in sight. The Energy Saver project is on course for its goal of cooling and powering the entire ring and circulating beam sometime in June of this year.

RUN RING RACE FOR GIFT OF LIFE

The DuPage Chapter of the Kidney Foundation has organized a Gift of Life Road Race to raise funds for various patient services, camperships, and health fitness programs. Participants will run the Fermilab 3.8-mile Main-Ring road on Sunday, May 1, at 9 a.m. The run is open to the public.

Age categories are 14 and under, 15-19, 20-29, 30-39, 40-49, and 50 and over for males, females, in the 12.4K and 6.2K races. A large digital clock will provide the runner with the unofficial finish-time with split timers at 1, 3, and 5 miles.

Trophies will be awarded to the top three finishers in each category. Free T-shirts will be given to the first 500 registrants. The entry fee is \$6 before April 24 and \$7 the day of the race. Runners may pick up their packets at Wilson Hall beginning at 7:30 a.m. the day of the race. Entry blanks are available at the Information Desk in the atrium of Wilson Hall.

1983 POOL SEASON OPENS IN MAY

The Fermilab swimming pool will open its 1983 season on Saturday, May 28. Pool membership is available to Fermilab employees, visiting researchers, employees of the Department of Energy Office at Fermilab, and Diamond Security Service personnel at Fermilab. The families and accompanied paid guests of the aforementioned are also eligible.

Pool memberships may be purchased at the Information Desk in the atrium of Wilson Hall and at the Housing Office at Aspen East beginning Monday, May 2. They may also be obtained at the swimming pool the weekend of May 28, 29, and 30 only. Season rates are \$20 per single person, \$35 per couple, and \$50 per family. Daily charge for swimming is \$2.

Swimming instructions will be available for children and will be taught by a certified water safety instructor. Registration for lessons can be made with the lifeguards.

Lifeguards will be on duty from 11 a.m. to 7 p.m. Monday through Friday. Weekend and holiday lifeguards will be on duty from 9 a.m. to 7 p.m. The pool will be restricted to adults from 7 p.m. to 9 p.m. and closed from 9 p.m. to 6 a.m. For more information, contact Helen McCulloch, ext. 3126.

COUNTRY JAMBOREE APRIL 29 IN BARN

NALREC presents a Country Music Jamboree on Friday, April 29, from 5:15 p.m. to 11 p.m. in the Village Barn. The country western White River Band will play traditional and contemporary music beginning at 7 p.m. Food and beverages will be available. For more information contact Glenn Lee, ext. 4448.

Library Seeks Return of Materials

A significant part of the library budget goes into replacing books which are removed without being checked out. The staff asks you to please check your book shelves and return library material no longer in active use.

Fermilab is operated by Universities Research Association, Inc. under contract with the U. S. Department of Energy. Ferminews is published by the Publications Office, P. O. Box 500, Batavia, IL 60510, phone (312) 840-3278.

CLASSIFIED ADS TO BE DISTRIBUTED WITH FERMINES APRIL 14, 1983

FOR SALE:

HOUSES: THREE-BEDROOM RANCH. In West Chicago, gas heat, central air, attached garage, encl. front porch, metal storage shed, encl. back yard, \$57,500. Call Harold Scheppman, 231-6047.

TWO-BEDROOM W/FIREPLACE. Basement, garage, dining room, back yard w/trees and pond, Kaneland schools, 7 miles west of Batavia. Call Sharon Lackey, ext. 4453 or 365-9159.

THREE-BEDROOM TOWNHOUSE. Near Rt. 59 and Batavia Rd., dining rm., living rm., rec. rm., basement, 2 baths, attached garage, all appliances, near pool, VA-FHA O.K., \$56,900. Call E. Henry Schram, ext. 3377 or 393-1711.

CARS:

1975 TOYOTA CORONA STATION WAGON. One owner, 84,000 miles, roof rack, 4-speed manual trans., AM/FM cassette, \$2,000. Call Joe Lach, ext. 4103 or 231-0107.

1974 DODGE RAMCHARGER. 360-V8, 49,000 miles, 4-wheel drive, powr. str., powr. brakes, 3/4 ton, posi, \$2,300. Call Mary, ext. 4072 or 879-1049 evenings.

1972 PONTIAC FIREBIRD. Candy apple red w/black vinyl top w/black interior, 350-V8, auto. trans., A/C, powr. str., powr. brakes, no rust, AM/FM 8-track, runs great, 86,000 miles, \$2,000 or best offer. Call John, 879-8812 or 584-7082.

1972 CHEVY NOVA. Good cond., new tires, AM/FM 8-track, V8, std. shift, Ziebart, \$995 or best offer. Call Denny Graham, ext. 3370.

1971 FORD TORINO. Excellent condition, good work car, \$950 or best offer. Call Raja, ext. 4099 or 231-7347.

MISC:

1980 HONDA 650 CUSTOM. Very good cond., 4,000 miles, burgundy, \$1700 firm. Call evenings 668-2653.

SCHOOL DESK. \$5. Call Roger Braun, 584-2154.

SMITH CORONA PORT. MANUAL TYPEWRITER. \$35. Call Roger, 584-2154.

WURLITZER SPINET PIANO. Walnut finish, contemporary, 5 yrs. old, like-new. \$1,150 or best offer. Call Sharon, ext. 4181 or 4183.

CROSS COUNTRY SKI BOOTS AND BINDINGS. Trak, high cuff, 12 mm sole, size 39, used one week, \$35; Trak 50 mm bindings for above boots, used one week, \$20. Call Dwaine Johnson, ext. 4921.

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FOR SALE:
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For the following items call Mike, ext. 4292 or 690-7642:
PLAYPEN. Petersen deluxe, good cond. dble. drop side, \$30.
BABY MATTRESS. Simmons, Baby Beautyrest, mint cond., \$40.
CHANGING TABLE. Hedstrom, yellow wicker, mint cond., \$50.
20-IN. BOY'S BICYCLE. \$25.
20-IN. GIRL'S BICYCLE. \$25.

For the following items call Ken Sievert, ext. 4467 or 985-3188 before 9 p.m.: AM/FM stereo car radios: 1969-70 Ford, \$25; 1969-70 Cadillac, noisy vol. contr., \$10; 1979-83 Dodge Colt/Plymouth Champ, \$50; 1976-83 AMC, \$20; Universal, \$15; Universal fits most GM 1972-83, \$25. AM/FM car radios (non-stereo): Universal, \$15; Universal for GM 1972-83, \$15; new AM for 1963 Corvair, \$15. Mobile CBs: Sears 40 Ch Am-SSB, \$80; Midlan 23 Ch 2-piece remote, \$30; Bearfinder Radar Det., X and K bands, \$50; Pioneer 32 W Booster, \$25; Craig 50 W Booster, \$35. Cadillac 8-track player, \$10; underdash 8-track player, \$5; Home 8-track player, \$10; Superscope cassette deck, \$30. Large console stereo, \$30; Sanyo 4 channel decoder-amplifier, \$10. Wards 19-in. color TV needs repair, \$50. Philco 9-in. b/w TV needs repair, \$10. Dehumidifiers: Wards w/humidistat, \$50; Westinghouse, \$35; Westinghouse w/heater, \$35. Sears whirlpool bath, portable, 1/3 HP w/timer. Sears 8 HP, 26-in. riding lawnmower, \$175.

For the following items call Dennis Graham, ext. 3370 or 3371: Heathkit Solid State V.O.M. IM-25, \$30; Garrard Lab 80 turn table sure cartridge, \$40; AKAI X-355 reel-to-reel tape recorder, \$250; HR size 7 motorcycle helmet, \$10; Lincoln 225 amp a/c welder, \$100; Foley model 200 saw sharpener, \$300.

BEDDING PLANTS. Cabbage, strawberry, pansy and more, 75¢ per pack. Stop by 940 Orchard Ct., Batavia, for pick up, or call Howard Fulton, ext. 3783 or 879-7566.

SIBERIAN HUSKY PUPPIES. 13 weeks, black/white, blue eyes; call 851-0212 days and evenings for prices.

MINIATURE SCHNAUZER PUP. Male AKC, shots, \$150. Call Neil Olson, ext. 4179 or 232-0123.

MULTI-FAMILY GARAGE SALE. April 14, 15, and 16, at 27W716 Shady Way, Winfield, 9 a.m. to 4 p.m. Call 690-1145 for information.