

# FERMILAB NEWS

 Fermi National Accelerator Laboratory

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Under Contract with the United States Department of Energy

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## R. R. WILSON LEAVES DIRECTOR POST

Robert R. Wilson left the office of Director of Fermilab on Monday, July 17.

Philip V. Livdahl, Deputy Head of the Fermilab Accelerator Division, was appointed Acting Director by the Board of Trustees of Universities Research Association, Inc., to replace Dr. Wilson until a new director is appointed.

Dr. Wilson submitted his resignation last February 9 to URA, the governing body of Fermilab. At its February 15 meeting, the Board of Trustees asked Dr. Wilson to reconsider his resignation, but Dr. Wilson reaffirmed his decision to emphasize his growing concern for the future of the Laboratory in view of its present inadequate funding level. At the request of the Board, he has continued to serve until his recent departure.

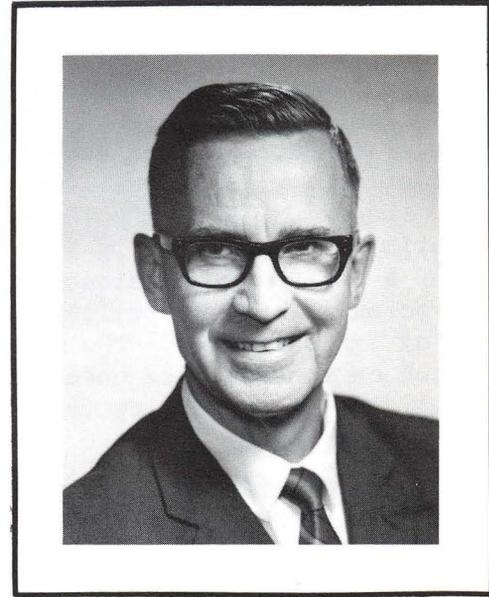
The Board of Trustees reported after a meeting last week that it has not yet completed its search for a successor to Dr. Wilson. Following the meeting, Dr. Wilson again reiterated his intention to leave the Directorship, and this culminated in his leaving the post on July 17.

Norman F. Ramsey, Higgins Professor of Physics at Harvard University and President of Universities Research Association, commented in a letter to employees confirming Dr. Wilson's leaving: "Robert Wilson has created a great institution at Fermilab. His brilliant personal contributions to the accelerator, the research program and the beauty of the structures can be found everywhere and will remain as monuments to his genius. The end of his period as Director is a cause of great sorrow for all of us."

Dr. Wilson's future plans are to continue to work at the Laboratory until Fall when he expects to return to academic life. He has been offered the I.I. Rabi Professorship on Science and Human Affairs at Columbia University and the Peter B. Ritzma Chair at the University of Chicago.

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## PHILIP V. LIVDAHL TAKES FERMILAB HELM



Philip V. Livdahl, now Acting Director of Fermilab, joined the Laboratory in 1967 as a physicist.

He has held positions as head of the Linear Accelerator Section, associate head and head of the Accelerator Division and most recently, Deputy Head of the Accelerator Division, working extensively in the Energy Doubler/Saver development program.

Phil earned his physics degrees at St. Olaf College and at the University of Washington. His accelerator experience began in 1948 when he started work as a graduate student research assistant and helped build a cyclotron at the University of Washington.

He has also been associated with the design, construction and operation of four linear accelerators at the Lawrence Radiation Laboratory, Livermore, California, and with the Zero Gradient Synchrotron at the Argonne National Laboratory.

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## ELEVEN YEARS OF UNIQUE LEADERSHIP

Robert R. Wilson became director of the Laboratory (then named the National Accelerator Laboratory) in June, 1967, after Congress had approved the construction by the United States of what was to become the world's highest energy proton accelerator.

Wilson assumed the leadership even before funds were authorized and before the State of Illinois had taken possession of the 6,800 acres of farmland which were to become the Laboratory site.

The project was first estimated to cost \$350 million for a laboratory which would be built around a proton accelerator with a maximum energy of 200 billion electron volts. Under Dr. Wilson's leadership, the cost estimate was reduced by \$100 million, and a design was developed which provided a potential of 500 billion electron volts of proton energy. The project was completed on schedule and under budget; several million dollars were returned to the federal government.

Since the accelerator went into operation in 1972, over 200 separate experiments have been carried out, all directed toward the deepest exploration yet attempted of the structure of all matter. Several important discoveries have made substantial contributions to the rapidly-developing understanding of the structure of matter and of the nature of the forces which govern the behavior of matter. One of the most spectacular of these experiments culminated, in June, 1977, in the discovery of the Upsilon particle which is strong evidence for a hitherto unsuspected basic building block of matter.

Dr. Wilson, a sculptor as well as a physicist, has paid particular attention to aesthetic values as he designed the buildings and facilities at Fermilab. He has supported the arts and lectures programs which have made Fermilab a cultural center of note in Midwest U.S. in just ten years after its birth.

Under his direction, Fermilab has also built the neutron therapy facility in the linear accelerator gallery for studies in the treatment of cancer through the use of fast neutron beams.

It was Wilson's concern for the next



...R.R. Wilson...

generation of Fermilab research that prompted his resignation.

"The future viability of Fermilab is threatened because the funding has been below that necessary to operate the existing facilities responsibly; presently we are operating at about half of our capacity to do physics experiments," he said in his letter of resignation.

"This predicament is especially serious," he continued, "in the light of the financial resources of CERN (Fermilab's European counterpart) which are considerably more than double our own."

Wilson also pointed out, "Our scheme to leap-frog CERN's financial advantage by increasing the Fermilab proton energy to 1000 GeV through the application of superconductivity (the Energy Doubler/Saver project) has been confounded by indecisive and sub-minimal support, as have been our modest proposals for intersecting beams."

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### ADDITIONAL FUNDING FOR FERMILAB RECEIVES CONGRESSIONAL SUPPORT

Rep. Tom Corcoran (R-Aurora) has led a successful move to pass legislation in the House of Representatives which provides additional funds for Fermilab.

Senators Percy and Stevenson of Illinois and Matsunaga of Hawaii are leading a similar move in the Senate. The Senate appropriations committee is expected to take the final action in August that could authorize several million dollars' additional funding for Fermilab.

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## SEEK OMBUDSMAN APPLICANTS

Applications are being accepted for the post of Fermilab Ombudsman. Due to periodic rotation in the three-person volunteer office, a vacancy exists with the retirement of senior Ombudsman John Barry, Food Services Manager. Barry has served as an Ombudsman for 18 months.

Ombudsman candidates should apply in writing--stating their qualifications and reasons for applying--to John McCook, Associate Director for Administration, CL-4S. Deadline to apply is 5 p.m. Friday, August 11.

Effective August 1, incumbent Ombudsmen will have new titles. Anne Burwell, an assistant Ombudsman since August 1, 1977, will become Senior Ombudsman. Mrs. Burwell is a Fermilab systems analyst. Paul Brindza (Energy Doubler), an Ombudsman since February 1, 1978, becomes Chief Ombudsman.

The Ombudsman is a Fermilab employee appointed by the Director to listen to employee problems--and endeavor to have remedial action taken. Meetings with the Ombudsman are confidential. Ombudsmen will hear personal and work-related problems of all employees. Ombudsmen are authorized to investigate all complaints and may contact all levels of management.

The Ombudsman's office is on CL-8E. Hours are 1 to 3 p.m. Tuesday and Thursday; other hours are available by appointment. Burwell may be contacted at Ext. 4278/3028 Brindza at Ext. 3354/3183.

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## FERMI BOWLING LEAGUE SIGN-UP

Register July 31 - August 4 on the CL Second Floor Lounge during noon hours. Bowling season will be from September 6, 1978 to April 18, 1979.

This year's teams will be preformed from the first 80 people signing up. Substitutes are also needed. A \$14 entry fee -- covering ABC-WIBC membership -- will be due at registration.

Bowling is set for Wednesdays at 5:45 p.m. at Bowling Green Lanes, W. Chicago. Weekly bowling fee will be \$4. For more information contact: Marion Richardson, Ext. 3674; Karl Varga, Ext. 4276; Larry Tate, Ext. 3886; or Debra Stitts, Ext. 3242.

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## EMPLOYEE PICNIC SUNDAY

Come to the picnic! Plans are complete for everything from games to food for the 1978 Fermilab employee picnic. The event is set for Sunday, July 23, from 11 a.m. to 6 p.m. at the Village recreation area. About 2,000 reservations have been received. Events scheduled include:

11:00 -- FOOD & FUN BEGINS IN VILLAGE RECREATION AREA. Rides, dunk tank, popcorn, cotton candy, sno-cones and beverages available.

11:30 -- PICNIC LUNCH. Hotdogs, hamburgers and beverages. Four free food tickets to each employee/family member; additional tickets 15¢ each.

12:00 -- DOOR PRIZES. First door prize awarded. Prizes awarded every 30 minutes.

TEENTOWN. Dance to the music of "The Basement Band." Village Barn. Free admission.

12:30 -- DOOR PRIZE.

1:00 -- CAKE WALK. Try for a cake, cookies or cupcakes at the Village tennis courts. Admission 15¢.

1:30 -- DOOR PRIZE.

2:00 -- GAMES. Sack races, wheelbarrow races, water balloon toss, volleyball. Recreation area east of tennis courts.

DOOR PRIZE.

2:30 -- DOOR PRIZE.

3:00 -- DOOR PRIZE.

3:30 -- DOOR PRIZE.

4:00 -- DOOR PRIZE.

4:30 -- DOOR PRIZE.

5:00 -- DOOR PRIZE.

5:30 -- DOOR PRIZE.

BIKE RAFFLE. One each, men's and women's bikes to be given away. Tickets, 5 for \$1 from NALREC committee members or at picnic.

6:00 -- DOOR PRIZE. Picnic ends.

Inter/National Film Society Presents

A CHILDREN'S SPECIAL  
"The Railway Children"

Saturday, July 22

10 a.m.

Fermilab Auditorium

An adventure story, "The Railway Children" features three children who attempt to clear their father of spying charges. The railroad tracks become a road to mystery and adventure for the children. The English production was directed by Lionel Jeffries in 1971. Rated G. 106 minutes.

Admission: 50 cents for children; \$1.50 for adults

PUBLIC TOURS EXPANDED

In response to demand, Fermilab guided tours will be expanded from four to five days per week. Effective immediately, guided tours are available Friday in addition to the previous Monday through Thursday schedule.

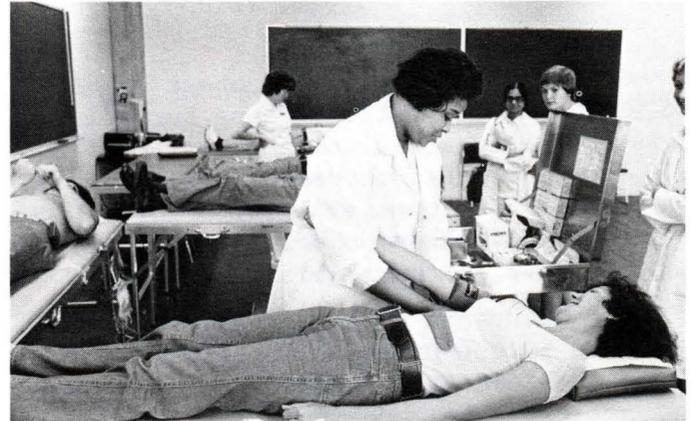
Groups may visit by appointment between 8:30 a.m. and 5 p.m. weekdays. Guided tours are offered for groups of from 10 to 40 persons--high school age (ninth grade) and older.

A tour takes about 90 minutes. After a 30-minute slide lecture, visitors view the Cockcroft-Walton pre-accelerator, linac gallery, main control room and panoramic view of the Laboratory site and surrounding area from the 15th floor of the Central Laboratory building. After the tour visitors are welcome to drive around the site. The buffalo herd and distinctive architecture are among sights to see.

Self-guided tours, using a brochure available at the reception desk in the Central Laboratory, are offered seven days a week for individuals or groups of six or less. Hours are 8:30 a.m. to 5 p.m. weekdays and 8 a.m. to 8 p.m. Saturday and Sunday. Children under 16 must be accompanied by a responsible adult.

Highlights of the self-guided tour include a walk through the atrium, three panoramic views from the 15th floor, a sound-slide program there and directions for a driving tour. To arrange a tour or for more information, contact the Public Information Office, CL-1W/Ext. 3351.

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...B. Perington (Int. Target) gives a pint ..

THANK YOU! BLOOD DONORS

Dracula would have loved Fermilab employees July 12. They rolled up their sleeves to donate 84 pints of blood in a semi-annual drive conducted by the Medical Office. The total was a strong improvement from the last drive held in December when 51 donors were tapped for the life-giving fluid. Total pints collected last week were even over last July's draw of 76 pints. Thank you, donors!

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TENNIS TOURNAMENT RESCHEDULED

Helen Ecker, Recreation Manager, announces that the 1978 Fermilab tennis tournament has been rescheduled to July 24.

The singles event will be open to the first 32 players who sign up. If interest warrants, women's and mixed doubles play will be organized. Contact Helen at Ext.3126.

NOTE: Fermilab's new safety group was incorrectly called the Safety Department in last week's FERMINews. It should have been designated the Safety Section. Sorry!