

The Village Voice



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WILSON RESIGNATION ACCEPTED; CONTINUES AS DIRECTOR

The following statement was issued at 5 p.m. Friday (Feb. 17), by Norman F. Ramsey, president, Universities Research Association, Inc.:

"At its meetings on Feb. 16 and 17, the board of trustees of Universities Research Association, Inc. discussed with Dr. Robert Wilson his recently submitted resignation as Director of the Fermi National Accelerator Laboratory.

"The board asked him to reconsider his decision and urged him to withdraw his resignation. When Dr. Wilson concluded that he could not do so at the present inadequate funding level, the board accepted his resignation with great reluctance but urged him to continue as Director until a new Director can be found who meets the standards of excellence set by him.

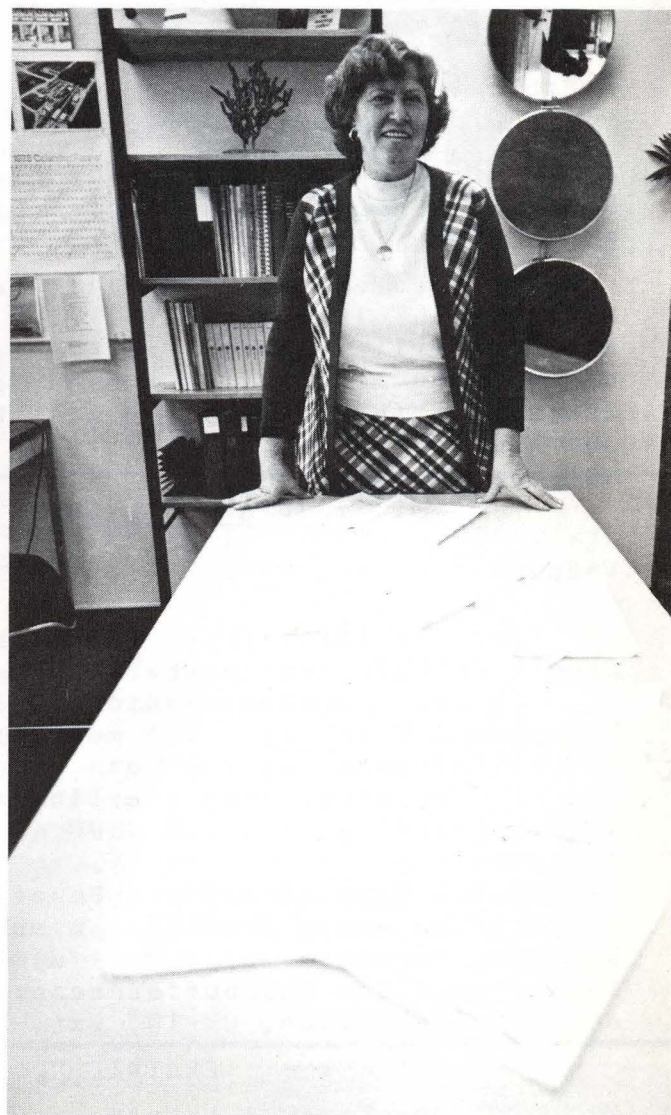
"The board was most grateful to Dr. Wilson for his willingness to continue and it will conduct the search as expeditiously as possible."

Dr. Wilson resigned Feb. 9, protesting underfunding of Fermilab. He said the future viability of the Laboratory is threatened because funding has been below that necessary to operate existing facilities responsibly, "presently we are operating at about half of our capacity to do physics experiments" he said.

He pointed out that no additional dollars have been identified for FY 78 and that the President's budget for FY 79 indicates only a cost-of-living increase in operating funds.

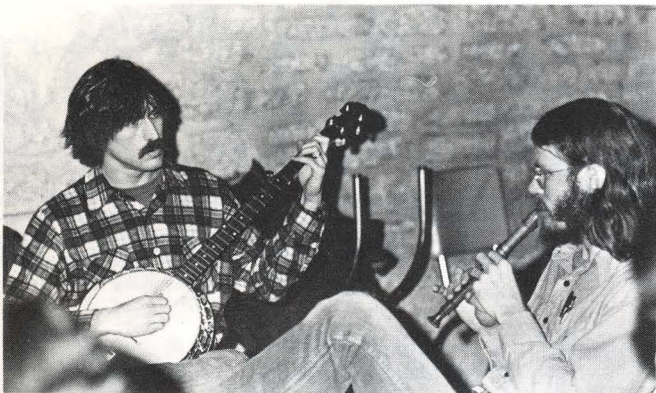
The Director expressed the hope that in tendering his resignation he would be contributing to the chances for increased support of the Laboratory.

He also indicated his desire to continue work on the Tevatron project—referred to as the Energy Saver—a project he initiated as an improvement program for Fermilab.



...H. Cramer (Bus. Office) shows petitions signed by about 500 employees supporting R.R. Wilson. Copies were presented to URA President, N. Ramsey last week...

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...H. Thacker(Theory) strums banjo; D. Hanssen(Operations) plays recorder at Folk Music Club meeting...



...Guitarist P. Brindza(Energy Doubler) listens to W. Kells(Electron Cooling) on recorder...

FOLK MUSIC CLUB ORGANIZES

About a dozen musicians/listeners appeared at an organization meeting of a Fermilab Folk Music Club. The club's charter session was held last week at the Village Barn. With a few listeners were musicians playing the recorder, mandolin, guitar and banjo. Dave Hanssen(Operations), club organizer, said future meetings will be held at 7 p.m. at the barn on the second and fourth Mondays, starting Feb. 27.

1978 ARGONNE CREDIT UNION ANNUAL MEETING

Wednesday, March 15

5:30 P.M.

Fermilab/Curia II

For the first time, Fermilab will be the site of the Argonne Credit Union annual membership meeting.

The 28th annual session will be held in Curia II at 5:30 p.m. Wednesday, March 15. The meeting will open with a complimentary buffet (advance reservations requested). A business session will comprise reports, open question and election of 15 directors for 1978. Awarding of about \$100 in door prizes will conclude the meeting.

Ralph Wagner(Employee Benefits) and Larry Sobocki(Internal Target) are among committee members planning the meeting and will be among incumbent directors up for reelection. Monday, March 13, is the deadline for buffet reservations. Contact the Fermilab ACU service office, CL-1W, Ext. 3293.

PRAIRIE PHOTO EXHIBIT



...Red-Tailed Hawk...

Prairie plants and animals are featured in a photo exhibit on display in the Central Laboratory atrium. The exhibit is in conjunction with a Fermilab prairie workshop March 4. Richard Gunderson of Rockford is the photographer.

Eleven natural color photos on display were made at the Boone County conservation district near Rockford. Wildlife shown are: Red-tailed hawk; Polyphemus caterpillar; and Barn Owl. Plants pictured are: Shooting star; Prairie Gentian; Prairie Smoke; Dwarf Liatris; Cardinal Flower; Cut-leaved Coneflower; Pasque Flower; and Creamy Gentian. The display will be open to the public through Mar. 4, date of Northern Illinois Prairie Conference III at Fermilab.

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SUCCESSFUL RUN FOR E-546

Experiment #546 has completed a very successful run using Fermilab's 15' bubble chamber and the External Muon Identifier (EMI). The neutrino run was also the most successful in the chamber's four-year history because more pictures were taken during this run than in any previous continuous exposure of the bubble chamber to a neutrino beam.

Russ Huson, spokesman, said that between Oct. 21, 1977 and Jan. 26, 1978, about 360,452 pictures were taken for the experiment in 500,000 expansions of the chamber, a significant 72% efficiency rate. The bubble chamber was filled with a 47% neon-hydrogen mixture and exposed to the Fermilab quadrupole triplet neutrino beam. Of the total, 326,000 are good pictures with EMI data (this corresponds to 3.42×10^{18} protons on the neutrino production target). The remaining pictures are for optical calibration tests and hadron calorimetry studies. The chamber crew posted a one calendar month record of 122,000 single pulse pictures in November. About 11,000 were taken during double pulsing the chamber with a hadron beam.

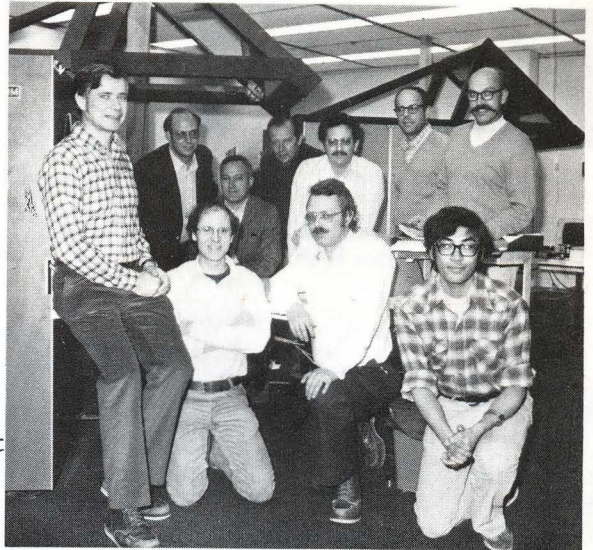
"These achievements are a direct result of consistently diligent efforts on the part of the 15 foot chamber crew members, individually and collectively, to maintain and increase chamber efficiency," said George Mulholland, chamber group chief.

E-546 is the first Fermilab experiment to use an enlarged, two-plane EMI and to test a new device called the Internal Picket Fence (IPF). The IPF is a set of drift chambers located inside the bubble chamber vacuum vessel and used to tag neutrino events in time. The EMI is two planes of proportional chambers downstream of the bubble chamber. Muons are identified as tracks that extrapolate from the bubble chamber and mate with "hits" recorded in the EMI chambers.

E-546 experimenters are studying neutrino interactions producing two charged leptons. Dimuon events have been studied in counter experiments (they were discovered by Fermilab Exp. 1-A) but only a few events have been identified in bubble chambers. This run should produce 100 " $\mu^- \mu^+$ " events.

Events producing a " μ " and an e^+ have been studied in several bubble chamber experiments with conflicting results. E-546 should identify over 100 $\mu^- e^+$ events for study. Finally, the experimenters also hope to study the 25,000 charged current neutrino events contained in their data.

The E-546 collaboration includes several Fermilab staff members who carry on their experimental interests in addition to full time staff duties. They are: B. Chrisman, executive assistant in the Accelerator Division; D. Gee, technical specialist in the Physics Department; A. Greene, assistant Laboratory director for program planning; G. Harigel, Neutrino Department



...Fermilab people on E-546 are: kneeling (L-R), J. Schmidt, T. Murphy, D. Gee; standing (L-R), W. Smart, B. Chrisman, R. Huson, G. Harigel, J. Wolfson, A. Greene, and L. Stevenson...

ment; R. Huson, Head of the Accelerator Division; T. Murphy, Proton Department Head; J. Schmidt, Research Associate, Physics Department; W. Smart, Accelerator Division; and J. Wolfson, Physics Department.

Thirty-one other scientists are members of the collaboration. They come from The Lawrence Berkeley Laboratory, The University of California at Berkeley, The University of Hawaii, and The University of Washington (Seattle).

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NALREC SELLS FERMILAB SHIRTS

"T" and sweatshirts complete with bold letters and Laboratory logo are on sale by NALREC, employee recreation organization. Profits help promote recreation activities for employees. Since December, about 500 all-cotton "T" have been sold. A second garment, a long-sleeve sweatshirt in powder blue with black letters, is now being offered. The sweatshirt is cotton/acrylic. Both shirts are available in sizes small through extra large. "T"



...P. Yost (L) and H. Ecker model Fermilab "T" shirts...

shirts are \$3.25 each; sweatshirts are \$6.00 each. Orders may be placed from Feb. 24 to Mar. 10 with Pat Yost, Guest Office, CL-1W and/or Jo Baaske, Payroll, CL-4E. Customers will be notified when shirts arrive.

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CONGRATULATIONS

Mindy and Tom Schuhow (Research Services-Alignment)



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ENGINEERS: THIS IS YOUR WEEK

National Engineers' Week is being observed this week by the National Society of Professional Engineers. "Engineers--Strength in Crisis" is the theme. Fermilab employs about 100 engineers. Most are mechanical or electrical engineers, but civil and architectural engineers are also represented.

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FOR FERMILAB WOMEN ONLY

"Peru's Golden Treasures," an exhibit at the Field Museum, will be viewed on an evening excursion by NALWO, Fermilab's women's organization. Tuesday, April 4, is the date. A bus will depart from the Central Laboratory at 6 p.m.; viewing at the Chicago museum will be from 7:30 to 9 p.m. The display of 2,000-year old gold objects, used by ancient Peruvian rulers, spans the art of five cultures in Peru and is on its first U.S. nationwide tour. Bus fare is \$3 per person; exhibit admission is \$3.50 per person. Admission tickets must be paid for by March 1. For tickets or information, contact the Guest Office, CL-1W, Ext. 3440.

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