

U.S. PARTICLE ACCELERATOR SCHOOL NEWS

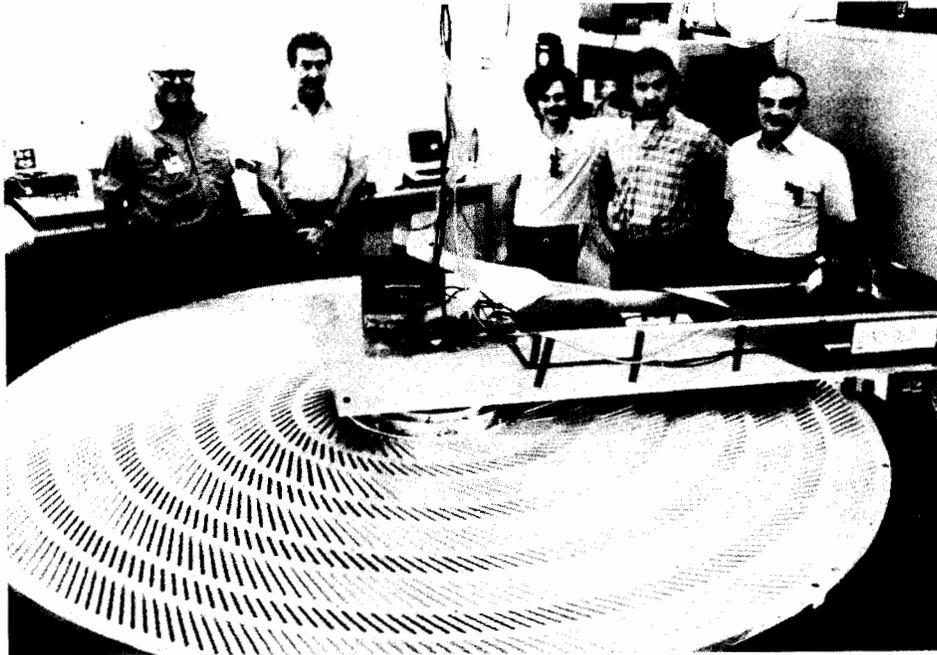
Marilyn Paul

The 5th U.S. Summer School on Particle Accelerators was held at SLAC, July 15-26, 1985. The main portion of the School was its usual intensive set of accelerator physics courses given by lecturers from around the world. Afternoon sessions of the second week hosted a symposium of accelerator-based sciences including lectures on the nuclear physics program, the light source program, the U.S. program for intense particle beams, and high-energy physics. Over 300 students and lecturers participated in the two-week program; there were 79 from U.S. universities, 179 from U.S. laboratories, 42 from foreign institutions, and 27 from other affiliations in attendance.

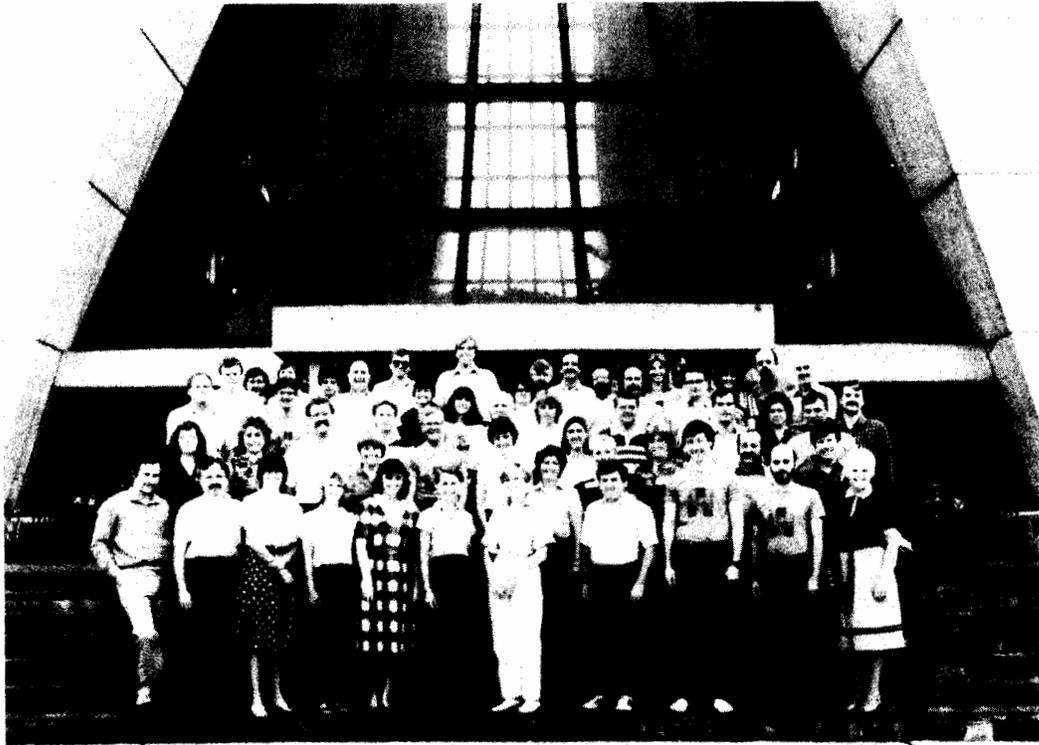
In addition, the School offered its first history symposium with talks by F. Amman (University of Pavia), N. Cabibbo (University of Rome), E. Courant (BNL), K. Johnsen (CERN), D. Kerst (University of Wisconsin), M. S. Livingston (MIT), N. Ramsey (Harvard), and R. R. Wilson (Cornell). The symposium was followed by a celebration including a luau and presentation of awards for achievements in physics. The awards, consisting of a parchment scroll and a metal sculpture (both prepared by A. Gonzales of Fermilab), were presented to Ernest D. Courant and M. Stanley Livingston for the discovery of the principle of strong-focusing, and to Robert R. Wilson for building the first strong-focusing synchrotron.

A new addition to the School this year was the presentation of the 1985 prize for Achievement in Accelerator Physics and Technology. The prizes were awarded to Helen Edwards (Fermilab) for making the first superconducting synchrotron a reality, and to John Madey (Stanford University) for the discovery of the free-electron laser. Edwards and Madey were chosen following review of nominations submitted by the physics community to the selection committee of Burton Richter (SLAC), Andrew Sessler (LBL) and Maury Tigner (SSC Central Design Group). Both awardees received a certificate of accomplishment as well as a cash prize of \$1500 made possible through contributions from the Houston Area Research Center, Universities Research Association, Varian, and the Westinghouse Electric Company.

To the award and prize recipients we offer our congratulations for their excellence.



John Stull (Machine Shop), Don Tinsley, Franco Bedeschi (CDF), Bruce Smyth (Machine Shop), and John Kowalski (Technical Services) pose for the camera after installing a high-precision survey machine on one of the circular CDF central tracking chamber endplates. Two endplates were delivered at the end of April from an outside vendor. The survey arm was built at Fermilab, and is used to survey the endplates to 0.0005 in. in two coordinates. Both devices were designed by Technical Services at Fermilab. Other full-time members of the CDF Tracking Group (not pictured) include Peter Berge, Walter Coleman, Lisa DesJardine, Bill Foster, Bert Gonzalez, Sara Gonzalez, Mike Hrycyk, Richard Kadel (Project Leader), John O'Meara, Ron Nodruff, Annette Schultz, Al Schoberlein, Jerry Watgens, Bob Wagner, and Ray Yarema (Research Services). (Fermilab photograph 85-413-15)



Participants in the third Summer Institute for Science Teachers assembled on the front steps of Wilson Hall. (Fermilab photograph 85-511-2)