



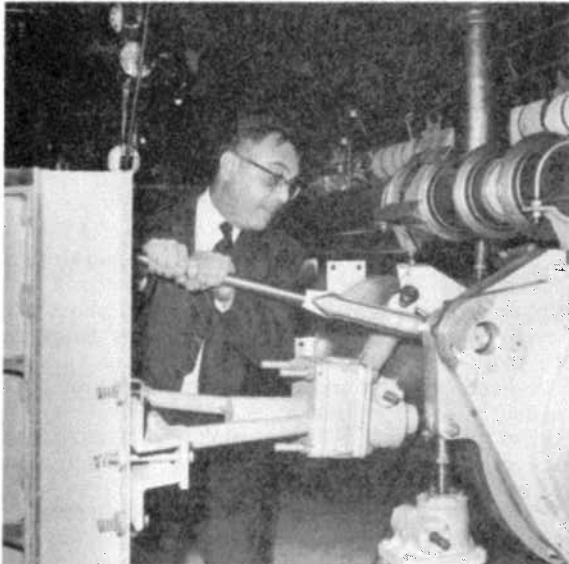
# QUASI - PERIODICAL INTERNAL NEWSLETTER

FEBRUARY 1966

## GOLDEN BOLT SIGNALS FINISH

The complete 10,000 feet of accelerator are now installed in the Accelerator Housing. On February 10, Dr. Panofsky and Mr. L. G. Mohr of the AEC drove a "golden bolt" in the last connection joining together the entire two-mile-long accelerator pipe.

Upstairs in the Klystron Gallery, 190 of the eventual 242 klystron tubes have been installed. And at the "business end" of the accelerator, the two Target Buildings are over 90 percent constructed.



## SECTOR TESTS CONTINUE

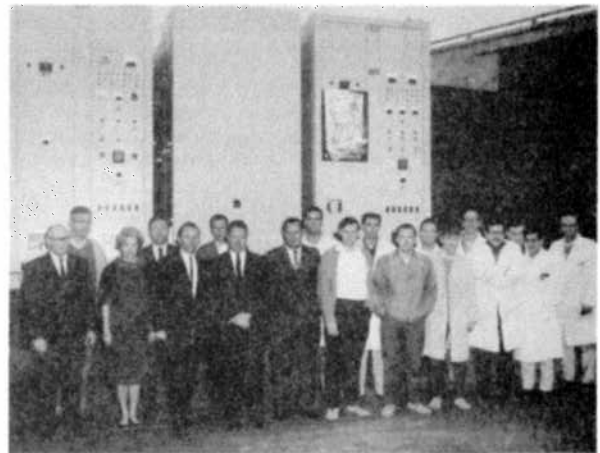
Over one-half of the accelerator sectors have now been rf tested. By April, all 30 sectors of the machine will have undergone these tests. Tests of the final injector with the beam turned on are being performed in the first 30 feet of the machine. Upon completion of these tests, the beam will not be turned on again until tests can be performed down to the beam analyzing station at Sector 20 (the two-thirds point) - or perhaps not until May, when the 10,000-foot beam turn-on is scheduled.

## WHAT HAPPENS AFTER BEAM TURN-ON?

During January the first proposals for physics experiments at SLAC were received. In addition, the Program Advisory Committee (experiment scheduling committee) met for the first time to begin organization of its work and to consider the proposals submitted. This eight-man committee, composed of representatives from SLAC, MIT, Harvard, Cornell, and UC at San Diego, evaluates proposed experiments and makes recommendations to SLAC's Director, who then decides what experiments will be performed. To date ten proposals have been received and are under study by members of the PAC.

## WATTS UP

The first four tubular steel power poles which will carry power to SLAC were put in place in the Searsville Lake area on January 25, 1966. Completion of the line is scheduled for late spring, in time for beam turn-on.

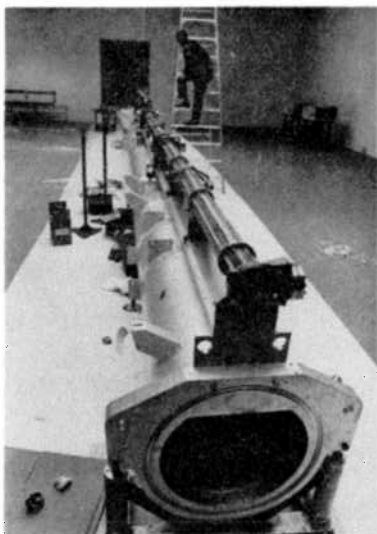


**MILESTONE:** Members of the Heavy Electronics Group stand before the last of the main modulators to be delivered (December 8, 1965). The full complement of 245 modulators has been installed in the Klystron Gallery.

This is the seventh issue of what appears every once in a while from the Technical Information Office whenever developments at SLAC warrant. The material herein is for your information and not for general publication . . . . . Editor

## MUSEUM SHOW OPENS

On February 15, the Stanford University Museum's main exhibit will feature SLAC. Central to the display is a completely assembled 40-foot girder; also present are a spark chamber, models of a bubble chamber and of the accelerator, and single components of the machine. Speaking of the forthcoming exhibit, Professor Lorenz Eitner, head of the University's Art Department, explained: "The installation will be neither purely aesthetic, nor purely technical, because the technical and aesthetic are inseparable in this great structure which, like any complex invention of the human mind, is a work both of science and of art." The exhibit will be on for about a month; the Museum is open from 10 to 5 on weekdays, and from 1 to 5 Saturday and Sunday.



## FACES IN THE CROWD

As of January 31, 1139 people were employed at SLAC. Names and pictures of these people are to be found on the new Organization Chart and SLAC Staff Picture Book; if you need a copy of either document, drop by Room 233 of the A/E Building.

## FOOD AND ART

Paintings by SLAC personnel are on display on the walls of the SLAC Cafeteria. Other employees wishing to display their handiwork may contact Harry Changnon, extension 674. . . . . When the weather permits, the outdoor tables for the Cafeteria will return.

## PUBLIC INFORMATION OFFICE ACTIVE

During 1965, 22,800 people were exposed to SLAC through talks and tours. One-half of these made actual site visits. . . . . A central desk has been set up to provide conference rooms upon request and to make available audio and visual aids. Call extension 205 when you need these services. . . . . The Information Office's next two-hour illustrated talk describing the accelerator, its uses and operation, will be held in the Central Lab Conference Room at 1:00 on Thursday, February 24. All new employees are urged to attend; all old employees who have not attended before are invited.

## TOUR SETUP — PRESENT AND FUTURE

To accommodate all the individual requests for tours, the Information Department runs a daily guided tour at 3:30 nearly every week day and at 10:00 on most Saturdays, starting in the A/E Building lobby. Each tour is limited to 15 people. Advance reservations are required. If friends ask you, have them call 854-3300, extension 205. (Tours for larger groups continue to be held at mutually convenient times, by special arrangement.) . . . . . And speaking of tours: After about April 1, we will no longer be able to actually go into the Accelerator Housing. People wishing to visit the Housing, then, should make arrangements to join a tour prior to that time (call ext. 205). However, something almost more dramatic than seeing the Housing is now planned for showing visitors what the machine looks like: A glass wall will be installed along one sector of the Klystron Gallery, so that people can look in and see the klystrons, modulators, etc. A room attached to this sector will contain a complete 40-foot girder, with the interconnecting waveguide penetrations in place to show how the accelerator is connected to the above-ground Klystron Gallery. Mirrors placed at each end of the girder will heighten the impression of the machine's length.

## NEW PROCEDURES FOR EMERGENCIES

SLAC employees trained in first aid, evacuation, and safety techniques have been named to be responsible for setting up and maintaining emergency control procedures in their respective areas. In case of an emergency such as fire, explosion, earthquake, or air attack, seek out the white-hard-hatted Warden in your area and follow his instructions. . . . . This month, Stanford University Fire Department personnel will be stationed at SLAC to provide fire protection services with apparatus and equipment located at SLAC. When emergencies arise, additional personnel and equipment from the University's main fire station will be dispatched, if required.

