

Furth Recovering from Surgery To Return Home Soon

We are happy to report that Director Harold Furth's operation on Tuesday, February 13, was successful. He was in recovery in the intensive care unit (ICU) in the early afternoon. He continues to improve. He will be moved to his room from the ICU early Thursday morning where he will remain for about a week, returning home about February 22. Dr. Furth will recuperate at home for about a month before returning to the Lab.

We hope you will all sign a Laboratory Get Well card that has been placed at the C-Site Reception Desk. The card will be taken to him at home when he returns to Princeton. Individual good wishes may be sent to Dr. Furth at his home address — 36 Lake Lane, Princeton, New Jersey 08540.

Look for further updates of Dr. Furth's condition in future issues of the **HOTLINE**.

Science on Saturday Begins Sixth Year

Science on Saturday, PPPL's popular student lecture series, will begin its sixth year on Saturday, February 24, and continue for six weeks concluding on March 31. The 1990 program is organized by Fred Dylla and Dennis Manos, both veteran lecturers from previous Science on Saturday programs. "This year," Dylla notes, "we went beyond the Princeton area to invite several lecturers from two well-known industrial laboratories in New Jersey, Exxon Research and Engineering Company and AT&T Bell Laboratories. One of the purposes of the program is to present a wide variety of scientific vocations to high school students, who typically have little concept of what a scientist does for a living."

Science on Saturday seminars are open to high school students, teachers, and parents free of charge. The lectures are informal and several include scientific demonstrations. A tour of PPPL is included as part of the program. Students who complete the series receive a certificate. Topics for this year's lectures are:

February 24

"Confusion over Fusion: Hot and Cold"
Fred Dylla and Dennis Manos
Princeton Plasma Physics Laboratory

March 3

"The Universe as Seen from Mauna Kea"
Jill Knapp
Astrophysical Department, Princeton University

March 10

"Our Amazing Solar System: The Voyager
Expedition"
Lou Lanzerotti
AT&T Bell Laboratories

March 17

"Deep Sea Hydrothermal Vents and the Valdez
Oil Spill: Learning from Nature"
Ed Stiefel
Exxon Research and Engineering Company

March 24

"New Superconductivity at 'High' Temperatures"
Gordon Thomas
AT&T Bell Laboratories

March 31

"The Greenhouse Effect and Climate Changes"
V. Ramaswamy
Geophysical Fluid Dynamics Laboratory

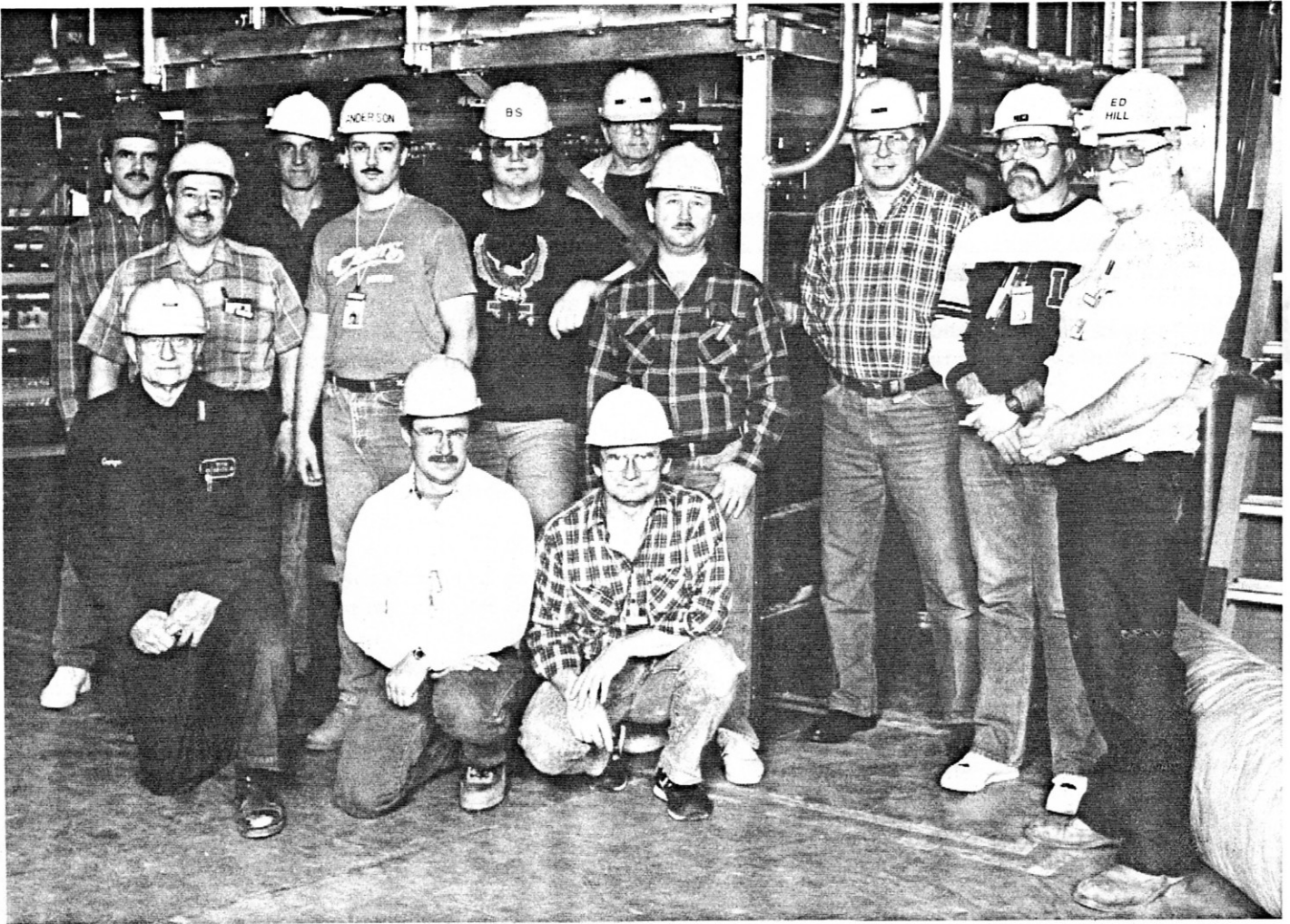
Lectures will be held in the MBG Auditorium beginning at 9:30 a.m. and lasting for approximately two hours. Employees interested in participating can call extension 2556 to register or for more information.

Shutdown Operations Ahead of Schedule

TFTR Technicians Maintain Two-Shift Operation as Work Proceeds

Since February 5th, two crews of technicians under the direction of George Barnes and Doug Loesser, with Russ Wester and Carl Bunting as crew leaders, have been preparing the TFTR vacuum vessel for in-vessel work and carrying out the initial phases of this work. Working first and second shifts, they have set up an entryway into the vacuum vessel at bay K, established a radiation work area on the East side of the Test Cell, installed lights and a floor in the vacuum vessel, measured the position of the bumper limiter, and removed the bumper limiter midplane graphite tiles that are being replaced with carbon-carbon tiles during this shutdown. "The exceptional productivity of this crew of in-vessel technicians has resulted in our now being four days ahead of schedule," said Erik Perry, who is in charge of shutdown operations.

A second group of in-vessel technicians, Crew #2, with crew leaders Joe Winston and Danny Crook, began work on February 13th and will continue until February 28th. Their primary goals are to install most of the new carbon-carbon bumper limiter tiles and to carry out an alignment of these tiles to assure a smooth surface. They will also assist with numerous in-vessel tasks planned by the TFTR Diagnostics Division.



(Photo by John Peoples)

Picture above are the technicians responsible for initial TFTR shutdown activities. They are, from left to right, back row: Doug Loesser, George Barnes, Dave Richardson, Russ Wester, Jim Benchoff, and Ed Hill; center row, Charles Pollack, Mike Anderson, Bob Sorenson, Bob Mucha; kneeling, George DePagnier, Dave Miller, and Bob Biache. Technicians not shown are: Val Bernhardt, Carl Bunting, Tom Czeizinger, Ray Gernhardt, Bob Herskowitz, and Bob Tucker.