

Feher accepts appointment at UCSSE

April 7, 1960

George Feher, young physicist who is one of the inventors of the solid state MASER, has accepted an appointment as a Professor of Physics on the faculty of The University of California's School of Science and Engineering, La Jolla.

Feher will take up residence in La Jolla at the start of the fall term in September 1960. He comes to The University from the Bell Telephone Laboratories in New Jersey.

"Dr. Feher has won international recognition for his investigations into the atomic structure of solids," says Dr. Keith A. Brueckner, Professor of Physics, School of Science and Engineering. "His technique is to study the response of electrons and nuclei in solids to incident radiation in the microwave or radio frequency range. An important application of this work has been the design, by Feher and Scovil, of the first solid state MASER, a new amplifying device with a remarkably low noise current."

MASER stands for Microwave Amplificator by Stimulated Emission of Radiation. The device has had several applications, notably in radioastronomy, where it makes possible the clear reception of extremely faint radio signals from stars far beyond our galaxy.

Feher, 35, was born in Czechoslovakia. He attended The University of California, Berkeley, and received his Ph.D. in physics there in 1954.