

we hear that

insight of Langmuir. Two papers, one on plasma oscillations and the other on a general theory of a plasma, which appeared in 1929, have become part of the foundation of modern plasma physics, as evidenced by 20 references to them in the 1970 Citation Index. Both papers were published under the authorship of Tonks and Langmuir and, to those who knew Langmuir's objective viewpoint on such matters, the order of names indicates his judgment that Tonks had done the major portion of this work.

Tonks had well formulated opinions on many subjects and was prepared to defend them vigorously, as was sometimes evidenced by his sparkling discussions on the GE Science Forum, a spontaneous panel radio discussion broadcast weekly during 1938-56. Throughout his life Tonks had a deep concern for the resolution of sociological problems, and devoted his full effort to this endeavor after his retirement.

K. H. Kingdon
Schenectady, N. Y.

Clifford M. Schroeder

Clifford M. Schroeder, associate professor of physics at Arizona State University, died last November at the age of 44.

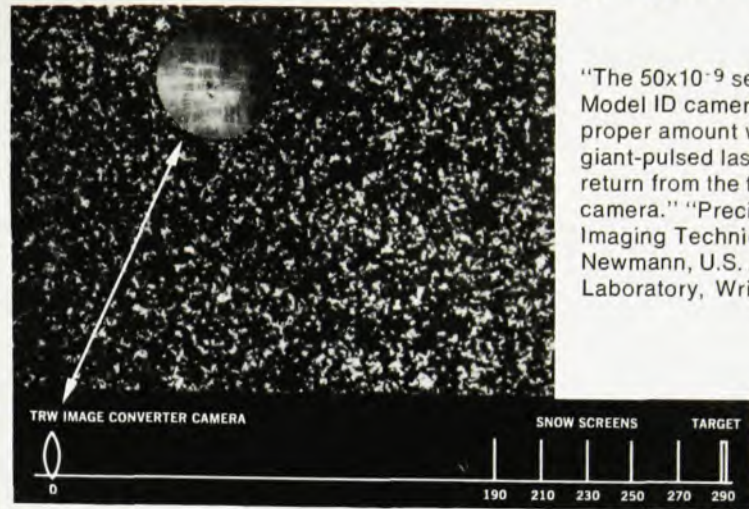
Schroeder, who had been at Arizona State since 1957, received his BS degree in physics at Washington State University, and his MS and PhD degrees at Ohio State University. In addition to teaching, he had conducted research in low-temperature physics. In 1955 he received the Frederick Gardner Cottrell Fellowship, and a year later, the National Science Foundation Research Fellowship.

Charles A. Reynolds

Charles A. Reynolds, 48, head of the Low Temperature Laboratory at the University of Connecticut, died on 22 July after a brief illness.

Reynolds received his PhD in physics from Yale University in 1949 and then joined the physics staff at Rutgers University. While there he was a member of the team that discovered the isotope effect in superconductivity. He later joined the staff of the physics department at the University of Connecticut, where he established and developed the low-temperature laboratory. In collaboration with his students he published some 40 papers in the low-temperature field. In recent years his research was concerned with the effects of impurities on electrical and thermal conductivity of metals. □

A TRW Image Converter Camera combines with a giant-pulsed laser for range-gated imaging



The illustration is a composite of a snow screen and a delayed picture of the floodlighted target showing range gate effect at -20 feet. It was made during feasibility studies of a range-gated imaging technique using the TRW Image Converter Camera and a giant-pulsed laser to actively illuminate a distant target. Backscatter from snow particles was greatly reduced and range information added to the image.

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