



**Dr. Jack W. Keuffel**  
... to visit England

## Physicist Visits Lab In England

Dr. Jack W. Keuffel, University professor of physics and an authority on high energy cosmic rays, is in England this week participating in a special meeting of the Royal Society of Science to discuss neutrinos.

Neutrinos are small subatomic particles with high penetrating powers. Some come from objects deep in space while others are created at the top of the atmosphere. Keuffel and his research staff are currently completing a subterranean chamber to study the elusive particles 2000 feet under Treasure Mountain in Park City, Utah. The "trap," financed by National Science Foundation funds totaling \$850,000, is regarded by scientists around the world as the most sophisticated project of its kind in existence.

### At Fringe of Universe

Keuffel said the research on neutrinos "may give man new clues to interesting and remote objects in deep space, in fact, at the very fringes of the universe."

For more than 20 years neutrino was known in theory, and for the past nine years low energy neutrino has been detected in debris from man-made nuclear reactions.

Recently high-energy neutrinos were detected deep in African and Indian gold mines. They bombard the earth by billions traveling at the speed of light. Keuffel said the Treasure Mountain laboratory equipment will distinguish between neutrinos from outer space and those originating in the atmosphere.