

## WORLD'S LARGEST SUN TELESCOPE

Construction work is now under way on a new astronomical observatory which, when completed early in 1963, will house the largest solar telescope in the world. The observatory is on a mountain in Arizona, a state in the southwestern part of the United States. It will be known as the Kitt Peak National Observatory.

The telescope will be housed in a ten-story high tower near a sheer mountain cliff. Its top-most part will be a two-ton flat mirror, 80 inches (203 centimeters) in diameter, known as a heliostat.

Moving automatically, the heliostat will follow the sun as it travels across the sky. The sunlight that strikes it will be reflected to a 60-inch (152-centimeter) parabolic mirror located 480 feet (144 meters) away, at the bottom of a shaft drilled into the mountain. From this mirror, the sunlight again will be reflected to a 48-inch (122-centimeter) mirror. This mirror, in turn, will reflect the sunlight to an underground observing room.

There a 34-inch (86-centimeter) image of the sun, several times larger and more brilliantly illuminated than images obtained with any other existing telescope, will appear on a sheet of white-painted metal mounted on a table top. Scientists will be able to study the image through dark glasses, and will be able to photograph it, and direct its light to spectroscopes.

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that the cold war is not going to be won by anybody, that it is much too dangerous to go on fighting it at all and that the only sane object for human beings in the twentieth century is to cooperate in building up an

international order under which Cuba can choose Communism or Hungary democracy, or India some system of her own, without upsetting the balance of power and endangering the lives of everyone else in the world."