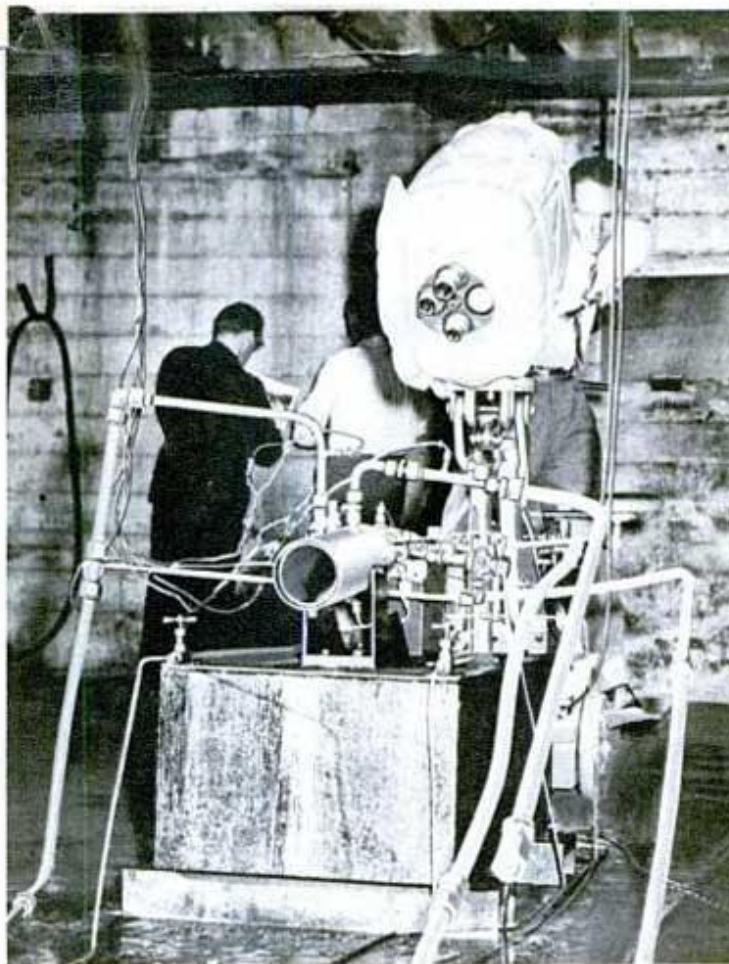


Television Eye Focuses on Test Of Rocket Motor

Television was lifted from the entertainment to the scientific field to give observers 700 feet away close-up views of dangerous tests of a high-thrust rocket motor. With the action less than two feet from the lens, the camera's images were relayed by coaxial cables to three screens. The sharply lighted close-up gives engineers opportunity to detect fuel leaks and firing malfunctions which could result in an explosion. It eliminates the need for observation blockhouses, with safety glass and mirrors that cloud from effects of gaseous fumes. The camera is heavily mounted and blanketed with layers of sponge rubber to reduce vibration that would affect transmitted images. It can be run remotely after the focusing. The technique was developed at the Azusa, Calif., testing grounds of the Aerojet Engineering Corporation.



Above, setting up shockproofed television camera behind rocket motor on test block. Below left, placing camera to record readings of control room instruments. Below right, observers 700 feet away watching test



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