

SPACE RESEARCH

Rockets, satellites and missiles of many types, developed by United States scientists, will be launched during 1959 in a long-range program to put man into outer space. The vehicles scheduled for flight tests are the result of technological progress achieved through painstaking, meticulous space research by scientists in private U. S. industry and in U. S. Government. In this nationwide effort, thousands of scientists, engineers, designers and technicians are collaborating to reach two goals simultaneously -- peaceful exploration of space and military defense against possible aggression.

4-15 An engineer adjusts a camera aimed at the window of a combustion test chamber in which a new chemical fuel for space vehicles is being tested. This test device is utilized to determine the effect of new high-energy chemicals and new compounds on engine operation. The purpose of such research is to improve the power and range of advanced propulsion systems for aircraft and space vehicles. Courtesy of U. S. National Aeronautics and Space Administration. (58-23738)

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Astronautics: Research

Un ingeniero ajusta una cámara apuntada a la ventana de una cámara de pruebas de combustión, en la que se está ensayando un nuevo combustible químico para vehículos espaciales. Este aparato de pruebas es utilizado para determinar el efecto de nuevos productos químicos de alta energía y de nuevas preparaciones, sobre el funcionamiento del motor. El propósito de esta investigación es el mejorar la fuerza y el alcance de sistemas avanzados de propulsión para aviones y vehículos del espacio.

SCIENCE - ASTRONAUTICS (RESEARCH)