COLECCIÓN FOTOS EMBAJADA CELUI.

Picture Story No. 529

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

12-15 A technician adjusts valves on a research model of a new U.S. rocket engine mounted on a tubular test stand. During the test, the thrust developed by the engine was transmitted through the frame to measuring devices. The engine jet is directed downward into a duct through which 50 000 gallons of water are sprayed per minute to remove the engine exhaust and to silence noise during the test. When the initial test of the research scale engine proves successful a full-scale engine is built and tested. Courtesy of U.S. National Aeronautics and Space Administration 158-237291

58-23729

Astronautics: Research

Un técnico ajusta unas válvulas en una maqueta de anvestigación de un nuevo motor norteamericano de cohete, montado en una sep plataforma tubulas de pruebas. Durante éstas, el empuje desarrollado por el motor fué transmitido a través de la armazón a los aparatos de medición. El motor a reacción está dirigido hacia abajo al interior de un tubo, a través del cual se lanzan 50.000 galones de agua por minuto para eliminar el vacío del motor y silenciar el ruido durante la prueba. Cuando se demuestre el éxito del motor de invesigación a escala reducida, se construirá y ensayará un motor a escala natural.



SCIENCE! ASTRONAUTIES (RESERDEN)