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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.

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1-15 Protected by goggles and a glass panel, a scientist tests a rocket nose cone exposed to the searing heat from a ring of 225 quartz-tube lamps. Through tests and extensive research, United States scientists have made rapid progress in developing nose cones that will not burn on re-entering the earth's atmosphere. Their resistance to extreme heat is vital to recovery of instruments and animals sent into space and to development of space weapons. Possible beneficial uses of heat-impervious nose cones include delivery of mail and capture of asteroids, the source of iron ore in space. Courtesy of U.S. National Aeronautics and Space Administration. (58-23726)

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Astronautics: Research

Protegido por unas gafas y un cristal, un científico prueba el cono de proa de un cohete expuesto al enorme calor procedente de un aro de 225 lámparas de cuarzo. A través de pruebas y de profundas investigaciones, los científicos norteamericanos han realizado rápidos progresos en el desarrollo de conos de proa que no se quemen al regresar a la atmósfera terrestre. Su resistencia al extremado calor es de vital importancia para la recuperación de instrumentos y animales enviados al espacio, y para el desarrollo de armas del espacio. Entre los posibles usos de los conos de proa impermeables al calor, están el reparto de correo, y la captura de asteroides, fuente de mineral de hierro del espacio.



SCIENCE - ASTRONAUTICS (RESEARCH)