



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.

3-15 Technicians assemble the largest inductance coil ever built, now being used for testing U S space vehicles. Electrical energy stored in this coil produces gas at 40,000 degrees Fahrenheit which flows through a tunnel containing astronomical models to be tested. The tunnel that this equipment serves tests the effects on a missile or any of its parts from sudden contact with the earth's atmosphere during an earthward plunge from space. Courtesy of Westinghouse Electric Corporation. (58-23737)

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Astronautics: Research

Unos técnicos están montando la más grande bobina de inductancia que se ha construido nunca, y que está siendo utilizada en la actualidad para las pruebas de los vehículos del espacio de los Estados Unidos. La energía eléctrica almacenada en esta bobina produce gas a 40,000 grados Farenheit, que corre a través de un túnel que contiene maquetas de astronaves que han de ser probadas. El túnel que sirve este equipo prueba los efectos sufridos por un proyectil y por cada una de sus piezas por el repentino contacto con la atmósfera terrestre ~~inmediata~~ en el momento del contacto con la tierra desde el espacio.



SCIENCE - ASTRONAUTICS (RESEARCH)