

JAN. 11 1962



Picture Story No. 703

MIGHTIEST U.S. ROCKET ENGINE TESTED

Progress toward manned flights to the moon and distant planets is seen in the successful performance of F-1, the mightiest rocket engine ever developed in the United States. In more than 25 recent test-stand firings, the new single-chamber liquid-propelled engine has met and even exceeded its designers' power goal of 1,500,000 pounds (680,000 kilograms) of thrust. After flight tests in 1963, the F-1 is expected to become the nation's basic booster engine, with the power and versatility to advance space flight during the next decade.

9-10 A Rocketdyne worker cleans the welds of an F-1 engine dome. Through the domes shown here under construction a 42,500 gallon-per-minute torrent of liquid oxygen and kerosene fuel will be channeled to the firing chamber, where their ignition will bring the booster to life with a thrust of 1,500,000 pounds (680,000 kilograms). (61-13329)

de un do

61-13329

Science: Astronautics (Research)

Un operario de la Rocketdyne limpia la soldadura de la cúpula de un motor "F-1". A través de las cúpulas que vemos aquí en construcción, un torrente de 42,500 galones de oxígeno líquido y combustible de petróleo por minuto, se rá canalizado hacia la cámara de disparo, donde su ignición dará vida al impulsador con un empuje de 680.000 kgs.

