

Picture Story No. 585

SEP 30 1959

SUNSHINE SEEN AS BEST POWER FOR SPACE SHIPS

Space ships that utilize sun-rays to "fly" indefinitely and to send messages back to earth are within the realm of possibility. United States scientists, eager to tap the free unlimited energy given off by the sun, are perfecting solar devices that may enable space ships to maneuver anywhere in the solar system. The direct conversion of sun-energy into electric power for propulsion of space ships and operation of instruments in the vehicles is a promising new development that challenges aeronautical engineers. The vehicles they eventually build may be as fantastic in appearance and achievement as the imaginative solar ship designs of present-day artists.

2-8 A scientist sights the sun through a telescope attached to a new solar-powered device known as a thermoelectric generator. The generator, developed by Westinghouse Electric Corporation and Boeing Aircraft Company, converts sun-rays directly into power. Satellites and manned space vehicles may some day use such a generator to power radio transmitters that will send information from outer space to earth. (59-14450)

2-8 Mediante el anteojo acoplado a este moderno generador termo-eléctrico a base de rayos solares se centran estos sobre el espejo parabólico que los concentra sobre el termopar montado en el centro produciendo energía eléctrica. Ha sido creado por la Westinghouse Electric Corporation y la Boeing Aircraft Company para su aplicación a los vehículos del espacio. (59-14450)



SCIENCE - ASTRONAUTICS - RESEARCH