



PARTICULARS of OBJECT to be SIGHTED

It is the combined Saturn IV B stage 3 of the rocket with lunar, command, and service modules, destination Hadley Rille on the moon. The lunar rover car is built into the lunar module.

Length	100 ft.
Max. Width	22 ft.
Orbital Weight	141 tons
Orbital Speed	5 miles per second

After blast off the spacecraft is placed in a circular orbit 93 miles above the earth and remains there for 2 hours 55 minutes while all systems are checked.

At the exact second and position (SW of Hawaii), the stage 3 engine is fired to blast the spacecraft out of earth orbit. The engine will run for about 5½ minutes exerting 15 million horsepower and the burn will be complete NE of Hawaii. The spacecraft is then in "lunar coast."

The spent Saturn stage 3 will be smashed into the moon at 5,700 m.p.h. to cause a moon quake equal to 11 tons of TNT exploding, some 79 hours after lift off.

The lunar module containing the lunar roving vehicle and crew will later land on the moon, leaving the command and service modules orbiting to await the astronauts' return.

The spacecraft will appear 4 times brighter than the brightest star and it will move quickly; it will be unmistakable.

You can expect to have it in view for 2½ minutes.

You may see an appearance of flashing, but this is purely sunlight on the changing angle of the rocket body. It is stabilised to keep to the local horizontal. Hadley Rille is a mysterious feature totally unlike anything previously explored. It's a canyon half a mile wide, wandering about for 60 miles—it's about 1200 feet deep and is easily seen by earth telescopes.

The spacecraft will also be visible from the ground at Mauritius—cloud permitting. Look high in South-East sky at 18.16 local time.

After take-off from Perth, it should also be possible to see the ill-fated Russian spacecraft Salyute.