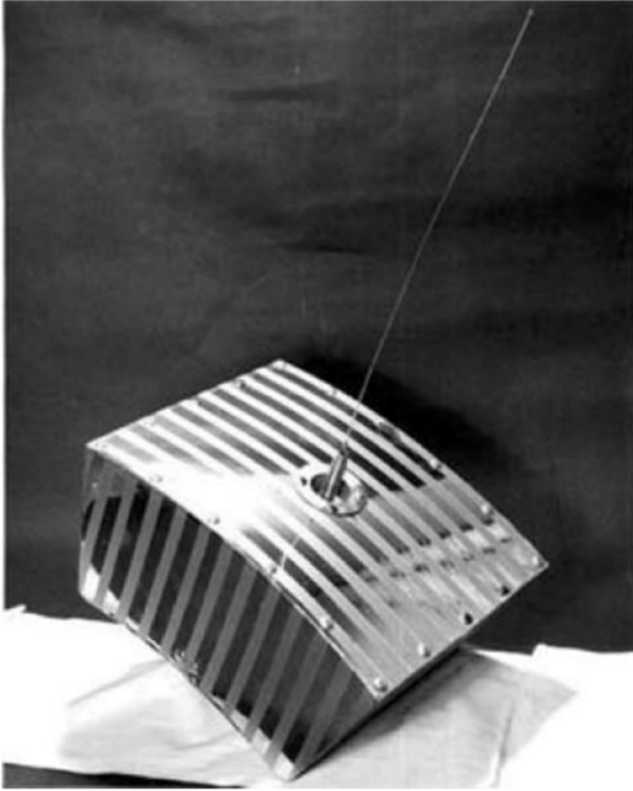


OSCAR-2 (Orbiting Satellite Carrying Amateur Radio)

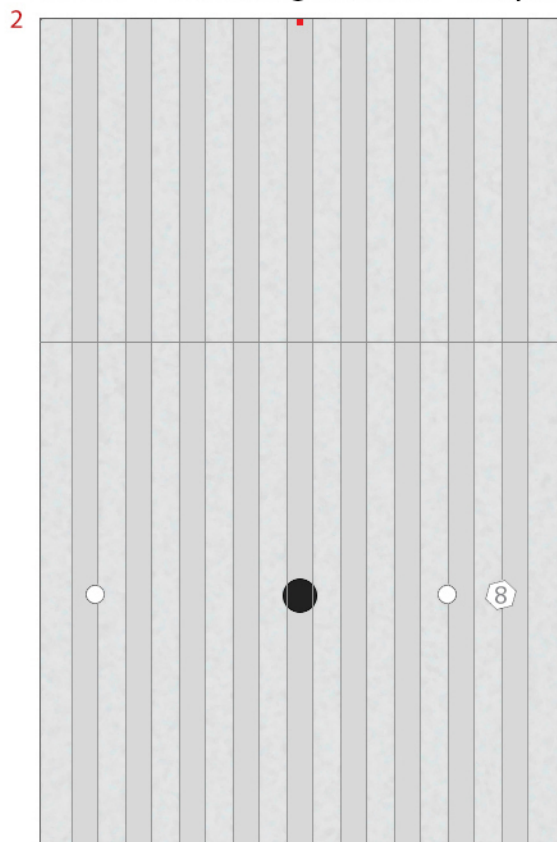


OSCAR II (a.k.a. OSCAR 2) is the second amateur radio satellite launched by Project OSCAR into Low Earth Orbit. OSCAR II was launched June 2, 1962, by a Thor-DM21 Agena B launcher from Vandenberg Air Force Base, Lompoc, California. The satellite, a rectangular box (30 x 25 x 12 cm) weighing 10 kg, was launched as a secondary payload (ballast) for Corona 43, the fifth launch of a KH-4 satellite. The satellite employed a monopole transmitting antenna 60 cm long extended from the center of the convex surface, but had no attitude control system. OSCAR II lasted 18 days, ceasing operation on June 20, 1962, and re-entered June 21, 1962.

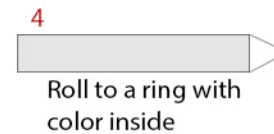
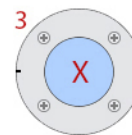
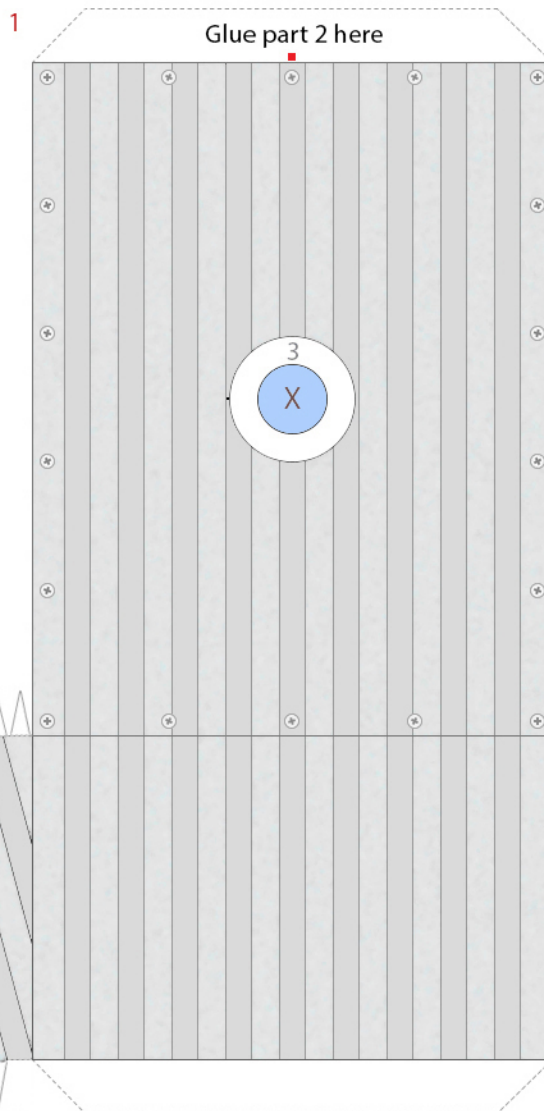
OSCAR 2 incorporated certain design changes from the earlier OSCAR 1.

- ☒ Changed the surface thermal coatings to achieve a cooler internal spacecraft environment.
- ☒ Modified the sensing system so the satellite temperature could be measured accurately as the batteries decayed
- ☒ Lowered the transmitter power output to 100 mW to extend the life of the onboard battery.

OSCAR-2 (Orbiting Satellite Carrying Amateur Radio)



Cut out the two blue circles

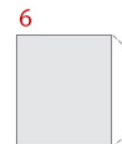


Roll to a ring with color inside

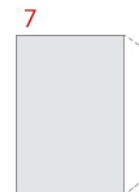


Glue to cardstock

Poke small hole on the black dot



Cut a very thin music wire or similar material around 7 inches long for the antenna. Glue on the black circle on part 5.



Glue to cardstock

