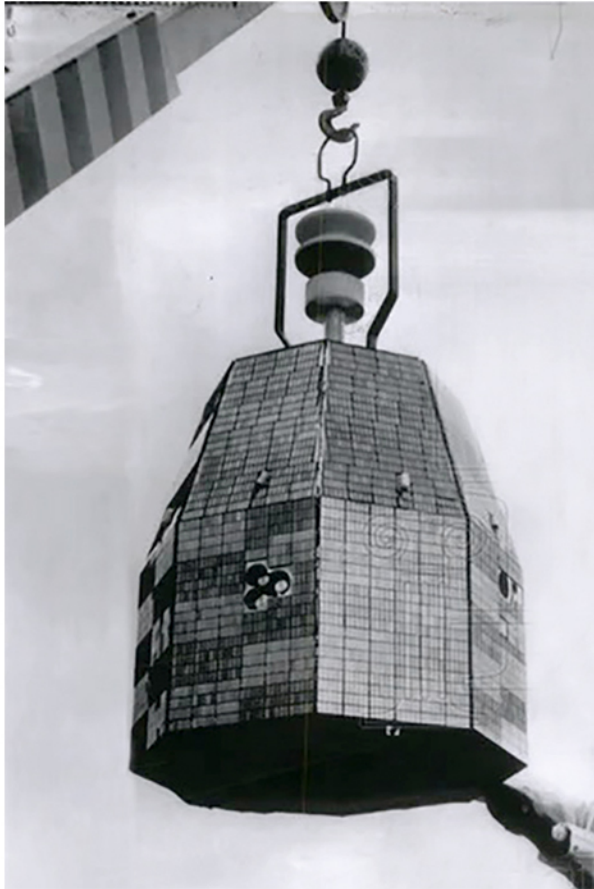


Relay II



The Relay program consisted of Relay 1 and Relay 2, two early American satellites in elliptical medium Earth orbit. Both were primarily experimental communications satellites funded by NASA and developed by RCA. As of December 2, 2016, both satellites were still in orbit. Relay 1 provided the first American television transmissions across the Pacific Ocean.

Relay 2 (COSPAR satellite ID: Relay 2 1964-003A) was launched atop a Delta B rocket (373/D-23) on January 21, 1964, from LC-17B at Cape Canaveral Air Force Station.

It was physically similar to Relay 1. Design changes in this satellite improved its performance so response to spurious commands was essentially eliminated.

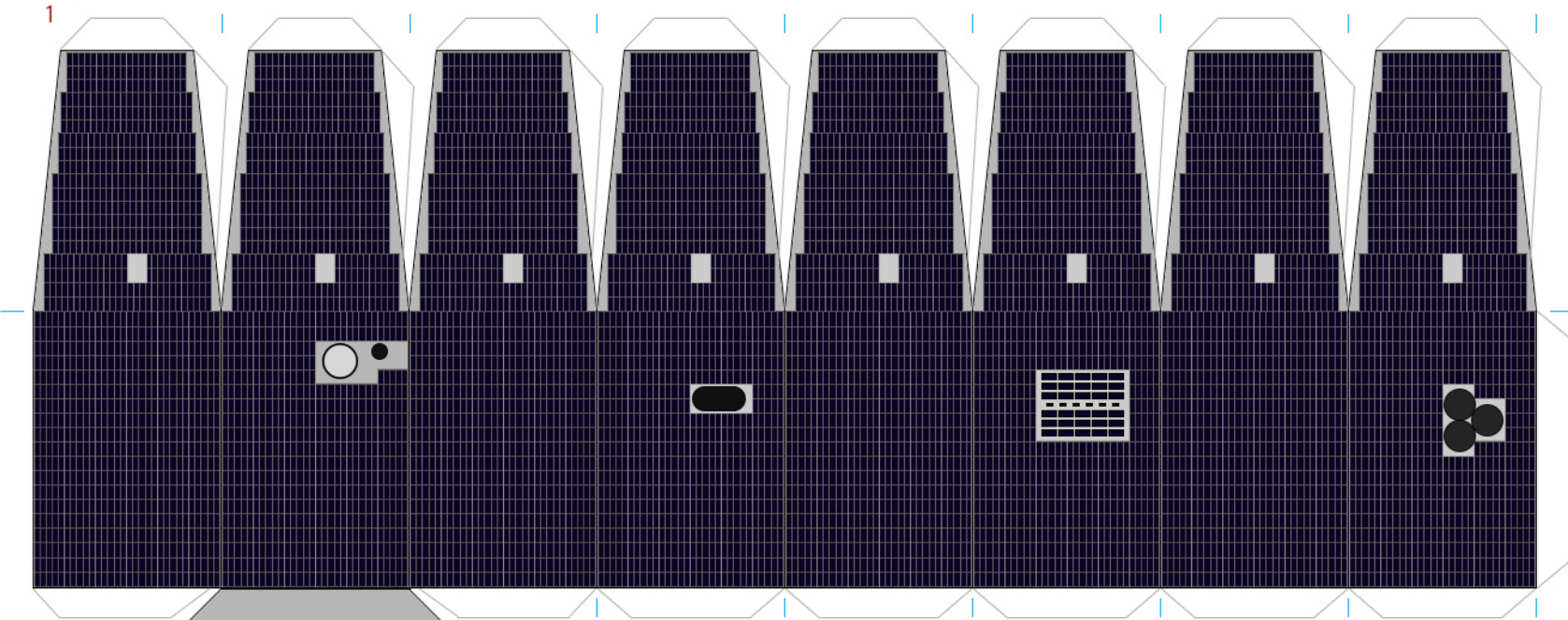
NASA ceased operations with Relay 2 on September 26, 1965, with the repurposing of the Mojave Desert Ground Station, the only one in the world equipped to communicate with the satellite, for use with the Applications Technology Satellite program. The final broadcast was of Sen. B. Everett Jordon (D-N.C.) opening the week-long International Exposition of the American Textile Machinery Association in Exposition Hall in Atlantic City.

On June 13, 2025, a powerful and mysterious blast of radio waves that astronomers believed was a fast radio burst (FRB) from far beyond the limits of the Milky Way has turned out to be an emission from a long-dead NASA satellite called Relay 2.

This may have been caused by an electrostatic discharge event or a cloud of charged plasma from a collision with a micrometeorite.



Relay II

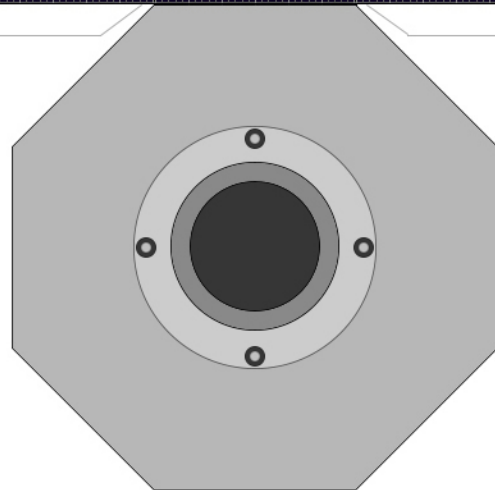


Poke a small hole on the white dot

5

6-7

8-9

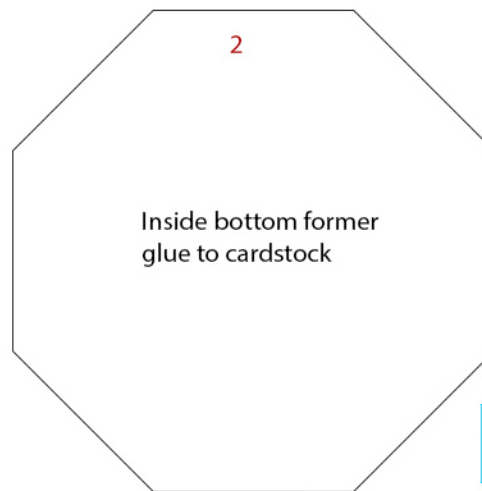


Poke pin holes on the small grey dots inside the four black circles for the antennas

4

Color back the same color

Cut four (4) plastic broom straws or similar material the same length as the line above, colored grey for the antennas.



Inside bottom former glue to cardstock

Cut out the white circle

3

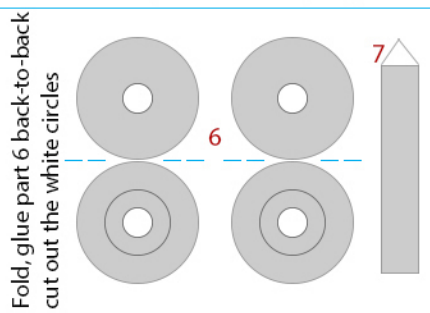
Cut plastic broom straw the same length as the line above, colored grey

Wrap around a 3mm diameter wood skewer cut at the same length as the part above.

3a

Glue to back side of part 3 match the two holes

Cut out the white circle

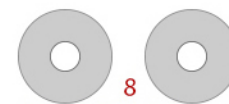


Fold, glue part 6 back-to-back cut out the white circles

6

7

Cut out the white circles from parts 8



8

9

