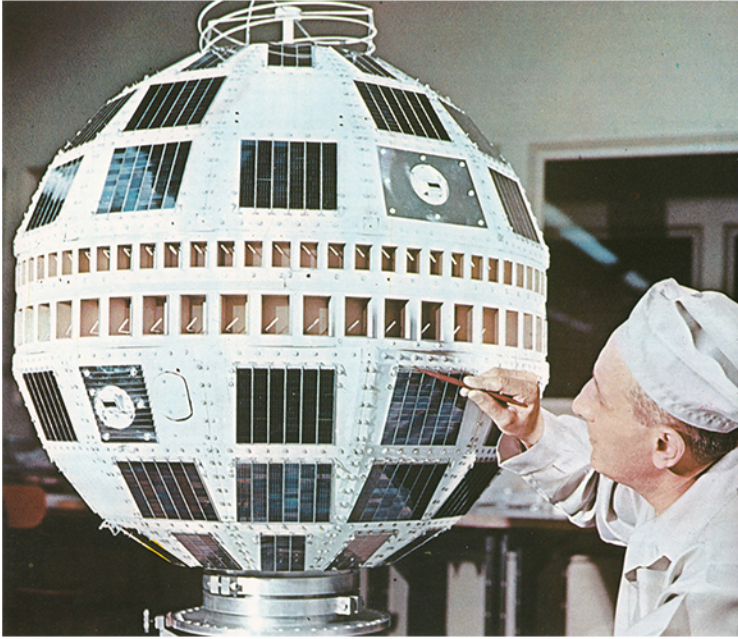


Telstar 1



Developed by Bell Telephone Laboratories for AT&T, Telstar was the world's first active communications satellite and the world's first commercial payload in space. It demonstrated the feasibility of transmitting information via satellite, gained experience in satellite tracking and studied the effect of Van Allen radiation belts on satellite design.

Telstar 1 launched on top of a Thor-Delta rocket on July 10, 1962. It successfully relayed through space the first television pictures, telephone calls, and fax images, and provided the first live transatlantic television feed.

The satellite was built by a team at Bell Telephone Laboratories that included John Robinson Pierce, who created the project; Rudy Kompfner, who invented the traveling-wave tube transponder that the satellite used; and James M. Early, who designed its transistors and solar panels.

The satellite is roughly spherical, measures 34.5 inches (876.30 mm) in length, and weighs about 170 pounds (77 kg). Its dimensions were limited by what would fit on one of NASA's Delta rockets. Telstar was spin-stabilized, and its outer surface was covered with solar cells capable of generating 14 watts of electrical power.



First Telescast from space brought the flag and the national anthem into the homes in the U.S. and France

Telstar 1 relayed its first, and non-public, television pictures—a flag outside Andover Earth Station—to Pleumeur-Bodou on July 11, 1962. Almost two weeks later, on July 23, at 3:00 p.m. EDT, it relayed the first publicly available live transatlantic television signal. The broadcast was made possible in Europe by Eurovision and in North America by NBC, CBS, ABC, and the CBC.

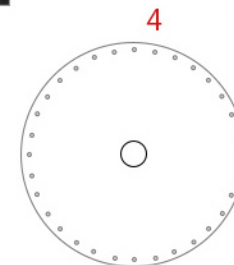
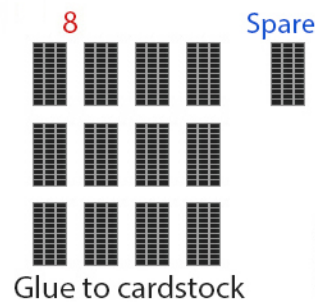
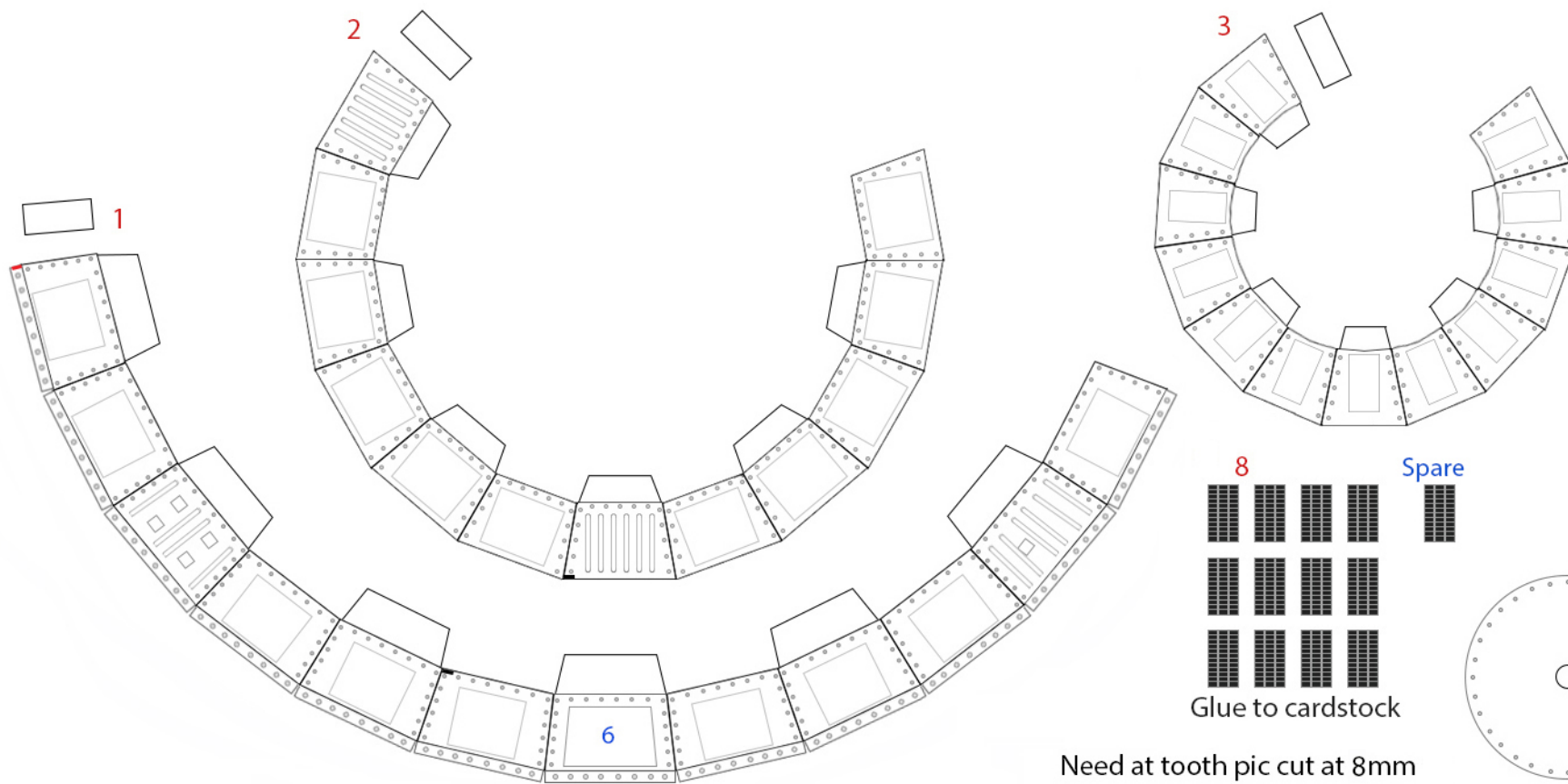
The first public broadcast featured CBS's Walter Cronkite and NBC's Chet Huntley in New York, and the BBC's Richard Dimbleby in Brussels. The first pictures were the Statue of Liberty in New York and the Eiffel Tower in Paris.

That evening, Telstar 1 also relayed the first telephone call transmitted through space, and it successfully transmitted faxes, data, and both live and taped television, including the first live transmission of television across an ocean from Andover, Maine, US to Goonhilly Downs, England and Pleumeur-Bodou, France.

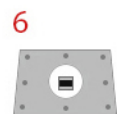
The satellite, in fact, was immortalized in a song in 1962. A British band called The Tornados created the song "Telstar," which hit No. 1 on the U.S. Billboard 100 at the height of its popularity. Many years later, Susanna Hoff, lead singer of the Bangles, wrote a 1991 song that mentioned the satellite; it was called "Wishing on Telstar."

Telstar 1

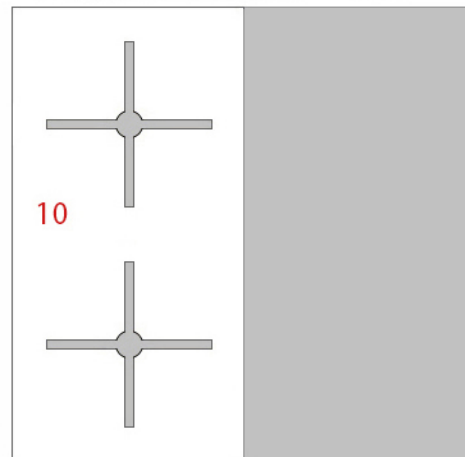
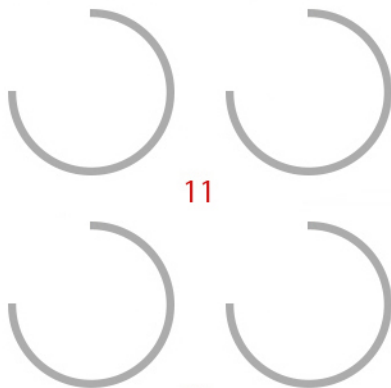
Top Half



Need at tooth pic cut at 8mm long, colored the same color.



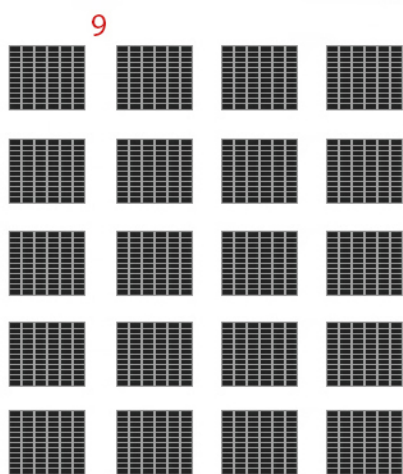
Color the backside the same color



Fold back-to-back

5
●
Glue to cardstock

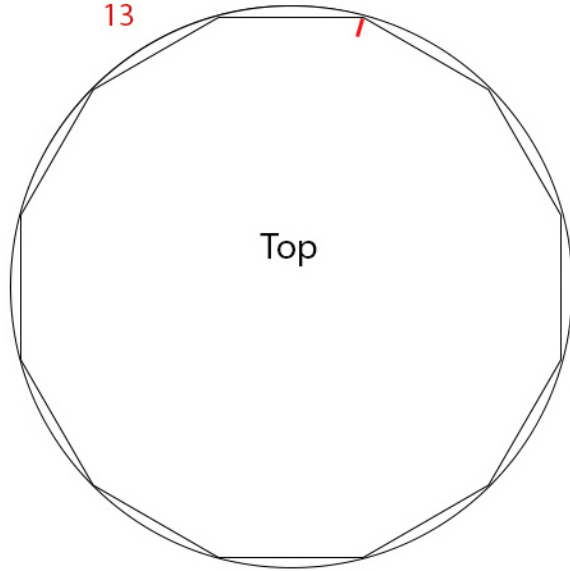
7
■ ■
■ ■
■ ■
Glue these to cardstock



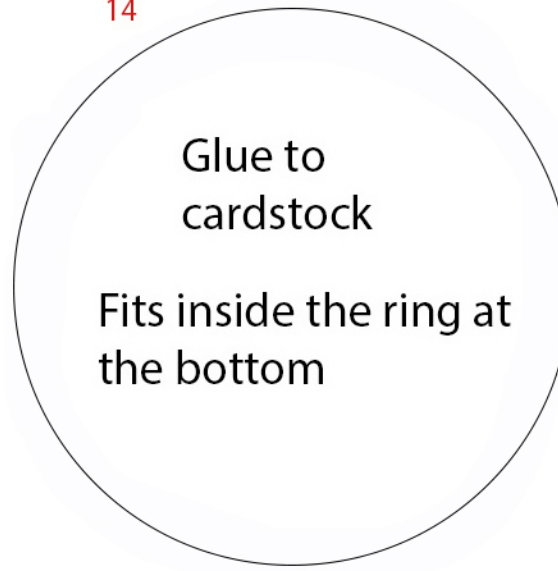
Glue these to cardstock
Includes 1 spare

Telstar 1

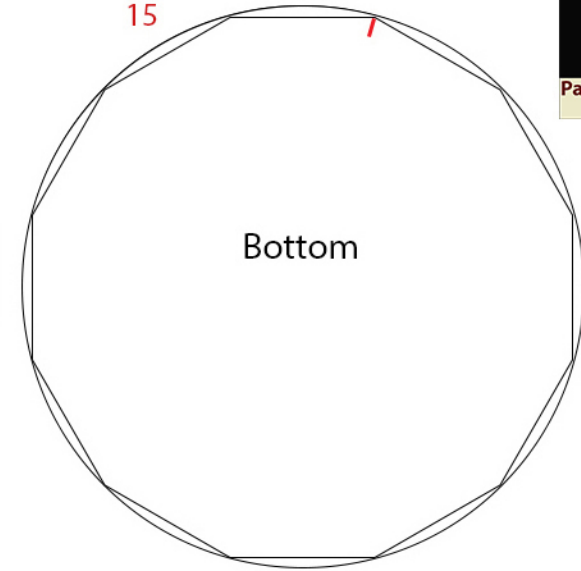
13



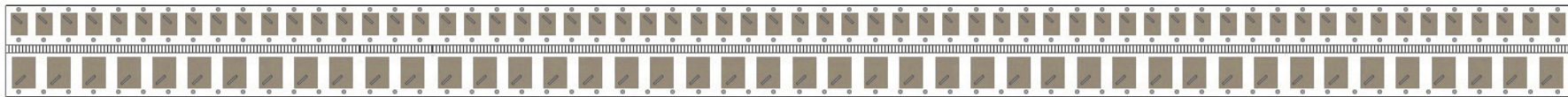
14



15



12 Top



Bottom



Telstar 1

Bottom Half

