

U.S. NAVY DISPLAYS EARTH SATELLITE MODEL

NEW YORK CITY -- The U.S. Navy recently unveiled a full-scale model of the world's first man-made satellite, to be launched during the International Geophysical Year. The model was exhibited at the 11th annual International Instrument-Automation Conference and Exhibit at the New York Coliseum.

The shiny sphere measures 20 inches in diameter and weighs about 21 pounds when packed with its miniature instruments. Several small discs -- the eyes, ears and fingers of its metal brain -- peck the smooth surface of the ball. Four radio aeriels about a yard long stick out from the satellite. An automatic radio transmitter, weighing only 13 ounces and having a range of 4,000 miles, will relay data back to earth during the flight.

The equipment for the satellite is being developed by Project Vanguard scientists at the Naval Research Laboratory in Washington, D.C.

A rocket vehicle, similar to the one that will place the satellite in its orbit, is expected to be test fired at the U.S. Air Force missile test center at Cocoa Beach, Florida, sometime this fall.

MODEL DISPLAY -- Dr. A. V. Austin, director of the National Bureau of Standards and member of the U.S. National Committee for the International Geophysical Year, studies a cut-away model of the earth satellite to be launched by the United States sometime after July 1, 1957. A complete model with its radio aeriels protruding is displayed at left.

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