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MAN-MADE SATELLITE.

At the U.S. Naval Laboratory in Washington, Dr. John Hagen shows a model of the three-stage rocket which will launch the first man-made satellite into space. After the first two stages have soared about 140 miles, the third stage, which carries the satellite itself, will reach 300 miles above the earth.

Here's the actual satellite nearing completion. Packed with instruments to relay scientific data back to earth, the 20-inch sphere will circle the globe at 18,000 miles an hour like an artificial moon, making a complete orbit every 90 minutes. Scientists all over the world will be informed of the exact orbit, and of the radio frequencies on which the satellite will broadcast its data. Experts test the balance of the satellite, which is to be launched next summer - advance guard of man's greatest adventure, the conquest of outer space.