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BENTHOSCOPE INVADERS OCEAN BED

At Long Beach, California, the Benthoscope - with its giant headlamp - undergoes its final test dive before invading the ocean bed to take pictures of underwater life. Nearly four tons is the weight of the cast-steel diving bell, in which its inventor, Otis Barton, hopes to break his own depth record of 3,000 feet.

For news from up above, American sailors go aboard the "Norton Sound" in the South Atlantic. An aerobee sounding rocket is the missile used.

Tracked by radar, the aerobee reports back. A second rocket follows.

Studying cosmic rays, the Navy gets its answers from 65 miles up.