



Johns Hopkins Applied Physics Laboratory

CORNERED EARTH—Measurements made by orbiting satellites have shown that the earth has four corners. This new fact was discovered by scientists at Johns Hopkins Applied Physics Laboratory in Silver Spring, Md. The squares on the map indicate the high points or corners and the four x's indicate the low areas.

GEOPHYSICS

Earth Has Four Corners

► THE EARTH has four corners, measurements made of earth-circling satellites have shown.

The high points each cover several thousand square miles of the earth's surface. They are 220 feet higher than they would be if the earth were exactly spherical.

The low areas between the high points are about 253 feet below what would be expected if the world were precisely round. The four-cornered, or pyramide-like, design was found by calculating the changes in the orbits of globe-girdling satellites.

At the center of the high points, the satellites were pulled downward a few hundred feet by the unexpectedly high gravity.

The new findings give the earth four known, superimposed shapes:

1. It bulges at the equator, as has been known for a long time.
2. It is slightly pear-shaped, with the narrow end in the Arctic and the broad base in the Antarctic.
3. The earth's equator is egg-shaped, not circular.
4. It has four high points, roughly of pyramid shape.

One of earth's high points centers over Ireland in the Northern Hemisphere and sprawls northward toward the pole. Another extends across the equator from New Guinea northward toward Japan. A third corner is south of Africa centered about half-way to Antarctica, and the fourth cor-

ner of the pyramid is west of South America, with the high point off Peru.

The new figure for earth was found by scientists at Johns Hopkins Applied Physics Laboratory in Silver Spring, Md., working under a contract for the U.S. Navy's Bureau of Naval Weapons. Dr. Robert R. Newton, with Drs. William H. Guier and George C. Weiffenbach, directed the studies.

Ever since Magellan proved that the earth is round, scientists have been trying to prove that he was wrong. Although they have been successful, the imperfections from a sphere are minor considering the earth's vast size, nearly 25,000 miles around the equator, with an area of nearly 197 million square miles.

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REVELATION 7:1-3

REV 16:15 I COME AS A THIEF
 WATCH. KEEP GARMENTS
 16:2 MEN WHICH HAD THE MARK
 9:4 MEN WHICH HAVE NOT THE SEAL
 JOHN 17:15 NOT OUT OF THE WORLD.
 KEEP FROM EVIL
 16:33 YE SHALL HAVE TRIBULATION
 I. THES. 3:3 KEEP YOU FROM EVIL
 PSALM 91 AND 121
 PROV. 10:30 RIGHTEOUS NEVER REMOVED
 PSALM 37:22 BLESSED SHALL INHERIT EARTH
 37:29 RIGHTEOUS INHERIT LAND
 GENESIS 41:54 ALL LANDS
 55 ALL EGYPT
 57 ALL COUNTRIES
 45:5 TO PRESERVE LIFE
 50:20 TO SAVE ALIVE
 ISAIAH 43:2 WATER SHALL NOT OVERFLOW
 FLAME SHALL NOT KINDLE
 EXODUS 8:23 DIVISION
 MATT. 24:36-44.
 :39 FLOOD TOOK THEM ALL AWAY
 I PETER 3:20 SAVED BY WATER
 MATT. 13:37-39
 24-30 FIRST THE TARES