

The geodetic station was situated (1848) near the farm house of Mr. G. Davis and about 400 yards north of it in an open field, about 600 feet south by east of a point of woods, and on a ridge making out from this point of woods, with the ground slightly inclined towards the woods. The station was marked by a pole $2\frac{1}{2}$ feet below the surface of the ground.

The magnetic station was 200 yards south of the geodetic station.

19. FINLAY.—Capt. T. J. Lee, U. S. Engineers, Acting Assistant U. S. C. and G. Survey, determined the elements at this point in 1845 and 1846.

Finlay geodetic station was located on Cub Hill in Baltimore County on the old Finlay farm. This farm is now (1897) the property of the Fastie heirs. The geodetic station is about nine miles from Baltimore and is about 300 feet east of the old Harford road and about three-quarters of a mile west of the Harford turnpike. The log school-house mentioned in the old description is still standing, and is now used as a blacksmith's shop by Mr. Fastie.

The geodetic station has been recently (1896) re-marked with a glazed drain tile (4 inches in diameter and 30 inches long) filled with cement and gravel and sunk in the ground so that the upper end was three feet below the surface. A small nail set in the center of this tile pipe marks the point. A chestnut post with a nail in it was placed on the under-ground mark as a surface mark.

The geodetic station bears S. $47^{\circ} 06' 33''$ E. (true) from the N.E. corner of the log school-house and 253.71 feet distant. The east gable of the stone barn of the Fastie place bears N. $9^{\circ} 27' 27''$ E. (true) from the station, and a large cherry tree bears S. $22^{\circ} 46'$ E. (true) from the station, distant 126.85 feet. From the best evidence at hand, Captain Lee's station was $38\frac{1}{2}$ feet from the geodetic in the direction of Rosanne geodetic station in 1845, and in 1846 the station was 30 feet southwest of the geodetic station.

7. HILL.—Hill geodetic station was established in 1845. It is about 6 miles nearly due east from Washington City, and about $1\frac{1}{2}$ miles southwest of Brightseat. The station is on a small plateau near the highest point and center of a hill known (in 1845) as "Hill's hill," as it was then the property of Wm. W. Hill of Prince George County, Maryland.

The geodetic station was marked by a stone pillar 2 feet 2 inches in length with an earthenware cone under it. Reference stone posts due east, north and south of the geodetic station, and distant 5 feet from it, were also sunk even with the ground.

In a line bearing S. $78^{\circ} 14'$ E. of the geodetic station and distant 151.2 feet was a cedar stump, and in a line bearing S. $30^{\circ} 16'$ W. were two cedar stumps, distant 137.5 and 180.5 feet from the geodetic station.

The magnetic station was 331 feet east of the old geodetic station near a pine grove.

9. KENT ISLAND, *Station I*.—From the best evidence at hand, Kent Island Magnetic Station I was on Kent Island in Chesapeake Bay near the western shore of the Island, about 6198 metres north and 1949 metres east of the monument at the north end of the "Kent Island base." This monument has now (1897) been washed away, but its old approximate position is known to people living in the vicinity.