

with the assistance of an accurate theodolite
 Attempts to fix the true meridian at Monticello by the help of Willis's mountain.
 note the letter E. denotes Eastward of the gap in the mountain, i.e. that the true meridian is
 Eastward so much from the gap.

	by equal alti- -tudes of the sun
1778. Mar. 6.	E. 0-57-0
June.	1-1-30
	1-3-0
	1-3-0
	1-4-30
16.	0-54-0
	0-58-30
	1-0-0
	1-2-0
	1-2-0
	1-7-30
	1-6-0
25.	1-1-30

average as far as 1-1-30

Observations on the variation of the needle.

1778. Feb. 5. it was 3-31-34 E. of the North pole.	1820. July 2. 4-45 E. or to the right of pole
1790. Nov. 3. 6-15-0	1821. May 19. 3 E.
1791. Sep. 20. 6-15	
1794. Aug. 3. 7-36	
1796. Dec. 4. 10-20	
1797. Sep. 13. 0-0	
1798. Nov. 11. 9-15	
1799. Dec. 15. 4-30	
1802. Sep. 13. 5-	
1804. Sep. 16. 4-	
1805. Aug. 23. 5-25	
1808. Sep. 11. 3-	
1809. Dec. 27. 4-	
1811. July 31. 5-25	
1814. Dec. 17. 1-30	
1815. Oct. 9. 2-10	
1819. Sep. 9. 4-	

by theodolite, 4° by small circumferentor, 1° by large I.

1781. Oct. 2. The gap in the Blue-ridge which is nearest the true meridian is
 4-19½ Westward from the reversed course of Willis's M. if that mountain then be 1-1½
 Westward of the meridian Southwardly, the meridian Northwardly will be in a dent about
 halfway up the Eastern ascent from the gap before mentioned. The upright hair of
 the instrument will at the same time cut a plantation on the Blue-ridge. The
 same gap will of course be 10' West of the meridian. — also, if the blue-ridge be 20 miles
 from here ~~westward~~ in it's nearest point and runs in the direction of N.E. & S.W. then the meridian point
 in the Blue-ridge will be 20.20 miles from here.