

magnitude should have an absolute magnitude of  $-3.0$ . The writer suspected the spectrum to vary somewhat from F8 to G5 or K, but on making estimates of the relative intensities of the pairs of lines used by the Mount Wilson Observatory for the determination of type, this apparent variation vanished and it was further noticed that the altered appearance of the spectrum depended on the exposure of the plates. Those plates that were normal were all alike but the over-exposed plates, of which there were several, had the absorption lines so veiled over as to make the spectrum at first glance resemble an earlier type than it really was.

The tentative conclusion one would be led back to is that the star is probably not a cepheid variable but that it is a G type binary with the shortest period yet found and that the discrepancies in the earlier observations render it advisable to investigate the star further when higher dispersion is available.

Dominion Astrophysical Observatory,

Victoria, B.C.

July, 1919.