

VII. *Account of a Nebula in Coma Berenices.* By Edward Pigott, Esq. *In a Letter to Nevil Maskelyne, D. D. F. R. S. and Astronomer Royal.*

Read January 11, 1781.

REV. SIR,

Frampton-house, Glamorganshire,
September 3, 1779.

AS my father generally addresses to you such papers as he communicates to the Royal Society, I beg the favour of you to acquaint that learned body, that, on the 23d of March, I discovered a nebula in the constellation of Coma Berenices, hitherto, I presume, unnoticed; at least not mentioned in M. DE LA LANDE'S *Astronomy*, nor in M. MESSIER'S ample Catalogue of nebulous Stars. I have observed it in an achromatic transit instrument, three feet long, and deduced its mean R. A. by comparing it to the following stars, having made the necessary corrections for aberration and nutation, the results are:

By δ Gemini	-	-	-	-	191 28 35
By γ Canis Majoris	-	-	-	-	191 28 41
By ϵ Virginis	-	-	-	-	191 28 45
By ν Virginis	-	-	-	-	191 28 36
By δ Leonis	-	-	-	-	191 28 34
Mean R. A. of the nebula for April 20, 1779,					<hr/> 191 28 38 <hr/>

Its

Its light being exceedingly weak, I could not see it in the two-feet telescope of our quadrant, so was obliged to determine its declination likewise by the transit instrument. This determination, however, I believe, may be depended upon to two minutes : hence its declination north is $22^{\circ} 53''\frac{1}{4}$. The diameter of this nebula I judged to be about two minutes of a degree.

I am, &c.

E. PIGOTT.

