

More Ways
 For the same Purpose, Intimated by M.
 Hook.

I Have by me (saith Mr. H.) two or three several ways of Measuring the Diameters of the Planets, whether *Horizontal*, *Perpendicular*, or *Inclined*, to the exactness of a *Second*, by the help of a *Telescope*: As also, of taking the Position and Distance of the *Small Fixt Stars* one from another, or from any of the less bright *Planets*, if the Distance be not above two or three *Degrees*.

The Particulars hereof, the Author refers to the next Opportunity.

Observations
 Of the Star, called *Nebulosa*, in the Girdle of
Andromeda; and of the *Wondrous Star* in
 the Neck of the *Whale*: made and com-
 municated by *Monsieur Bullialdus*.

A *Nno 1667*. in *January*, when the *Cloudy and Misty* weather, which had continued for a good while, did permit us to observe, the *Star Nebulosa*, in the *Girdle of Andromeda* (which may well enough be seen by the bare *Eye*) appeared much obscurer than the *Year* before. In the *Months of February and March* I did not see it.

Anno 1667, January 20. at *Night, h. 6. 30*. the *Sky* being pretty serene, the *Star in the Neck of the Whale*, did approach to the bigness of a *Star of the Sixth Magnitude*, and grew bigger afterwards.

February 12, h. 6. 30'. I saw the same again, equalling now a *Star of the Fourth Magnitude* at least.

February 24, h. 7. This *Star* was equal to those of the *Third Magnitude*, shining very bright.

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February