VIII. *An Account of a Book, entitled,* Hiſtoria Cœleſtis Britannica, tribus Voluminibus contenta, Authore *Joanne Flamſteedio* Aſtronomo Regio.

THE firſt Volume contains the Obſervations of Mr. *William Gaſcoigne* (the firſt Inventor of the Way of meaſuring Angles in a Teleſcope, by the Help of Screws; and the firſt that applied Teleſcopical Sights to Aſtronomical Inſtruments) taken at *Middleton*, near *Leeds*, in *Yorkſhire*, betwixt the Years 1638 and 1643, excerpted from his Letters to Mr. *Crabtree*; with ſome of Mr. *Crabtree*'s Obſervations of the ſame Years; as alſo Obſervations of the Sun's and Moon's Diameters; Configurations and Elongations of *Jupiter*'s Satellites from him, ſmall Diſtances of fixed Stars, with Appulſes of the Moon and Planets to them, obſerv'd with a Teleſcope and Micrometer at *Derby*, by Mr. *Flamſteed*, betwixt the Years 1670 and 1675; with the larger intermutual Diſtances of fixed Stars, and of the Planets from them; Eclipſes of the Sun, Moon, and *Jupiter*'s Satellites, Spots on the Sun, Comets and Refractions, taken with a Sextant of near ſeven Foot *Radius*, a voluble Quadrant, and the above-mention'd Inſtruments, betwixt the Years 1675 and 1689, at his Majeſty's Obſervatory, rank'd under proper Heads, with the Places of the *Moon*, *Saturn* *Jupiter* *Mars*, *Venus* and *Mercury*, deduced from the Obſervations, and alſo neceſſary Tables to be us'd with them.

The ſecond Volume contains his Obſervations (made with a mural Arch of near ſeven Foot *Radius*, and 140 Degrees on the Limb) of the meridional Zenith

Zenith Diſtances of the fix'd Stars, Sun, Moon, and other Planets, with the Time of their Tranſits over the Meridian, together with Obſervations of the Sun's and Moon's Diameters, Eclipſes of the Sun, Moon, and *Jupiter*'s Satellites, Variations of the Compaſs from 1689 to the End of the Year 1719, *&c.*

Tables ſhewing to render the Calculation of the Stars and Planets Places, from the Obſervations, eaſy and expeditious; to which are added the Places of the Moon, (at the Oppoſitions, Quadratures, and on her Limits, *&c.*) and the Places of *Saturn*, *Jupiter*, *Mars*, *Venus* and *Mercury*, derived from the above-mentioned Obſervations.

The third Volume contains a Catalogue of the right Aſcenſions, Diſtances from the Pole, Longitudes, and Magnitudes of near 3000 fixed Stars, with Variations of their right Aſcenſions, and Diſtances from the Pole, whilſt they change their Longitudes one Degree, whereby their right Aſcenſions and Diſtances from the Pole may be determin'd for 200 Years paſt, or to come, ſufficiently exact. Large Tables, by which the right Aſcenſions, and Diſtances from the Pole of the Stars and Planets, being given, their Longitudes and Latitudes may be found by Inſpection. To this Volume is prefix'd a very large Preface; containing, an Account of all the Aſtronomical Obſervations made before his own Time, with a Deſcription of the Inſtruments made Uſe of; as alſo an Account of his own Obſervations and Inſtruments, together with a new *Latin* Verſion of *Ptolomy*'s Catalogue of 1026 fixed Stars, from the *Greek*, and *Uleg-beig*'s Places annexed on the *Latin* Page, with the Corrections; ſmall Catalogues of the *Arabs*, *Tycho Brahé*'s of about 780 fixed Stars, in a proper

proper Order; the *Landtgrave* of *Heſſe*'s of 386; *Hevelius*'s of 1534, in a proper Order. A Catalogue of ſome of the Southern fixed Stars, not viſible in our Hemiſphere, reduc'd to right Aſcenſion, Diſtance from the Pole, Longitude, and Latitude, with Variations of right Aſcenſions, and Diſtances from the Pole; calculated from Obſervations made by Dr. *Halley*, at St. *Helena*, and Mr. *Flamſteed*'s Star's Places, and fitted to the Year 1726.

FINIS.

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