

It was near  $\gamma$  that the Capuchin friar of Cologne, Schyraelus de Rheita,<sup>1</sup> in 1643, thought that he had found five new satellites attendant upon Jupiter, which he named *Stellae Urbani Octavi* in compliment to the reigning pontiff; and a treatise, *De novem Stellae circa Jovem*, was written by Lobkowitz upon this wonderful discovery. "The planet, however, soon deserted his companions, and the stars proved to be the little group in front of the *Urn*."

$\delta$ , 3.4,

the **Scheat** of Tycho, and **Scheat Edeleu** of Riccioli, is **Skat** in modern lists, and variously derived: either from Al Shi'at, a Wish, said to be found for it on Arabic globes; or from Al Şāk, the Shin-bone, near which it is located in the figure. But Hyde, probably following Grotius, said that it was from Al Sa'd of the preceding stars.

On the Euphrates it seems to have been associated with Hasisadra or Xasisadra, the 10th antediluvian king and hero of the Deluge; while, with  $\beta$ ,  $\kappa$ , and others adjacent, it was the lunar station **Apin**, the Channel, and individually the Star of the Foundation. The corresponding stations, **Khat-sar** in Persia, **Shawshat** in Sogdiana, and **Mashtawand** in Khorasmia, were also determined by this star.

The Chinese knew it, with  $\tau$ ,  $\chi$ , the three stars  $\psi$ , and some in Pisces, as **Yu lin Keun**, the Imperial Guard.

From near  $\delta$  issues a meteor stream, the **Delta Aquarids**, from the 27th to the 29th of July, and not far away Mayer noted as a fixed star, on the 25th of September, 1756, the object that nearly twenty-five years later Sir William Herschel observed as a comet, but afterwards ascertained to be a new planet, our Uranus.

$\epsilon$ , 3.4,

was **Al Bali**, the brightest one of the 21st *manzil*, **Al Sa'd al Bula'**, the Good Fortune of the Swallower, which included  $\mu$  and  $\nu$ ; these last also known as **Al Bula'an** in the dual. Kazwini said that this strange title came from the fact that the two outside stars were more open than  $\alpha$  and  $\beta$  of Capricorn,

<sup>1</sup> De Rheita is more deservedly famous as a supposed inventor, in 1650, of the planetarium, an honor also claimed for Archimedes of the 3d century before Christ, for Posidonius the Stoic, mentioned by Cicero in *De Natura Deorum*, and for Boëtius about the year A. D. 510. This instrument is the orrery of modern days, named by Sir Richard Steele after Charles Boyle, Earl of Orrery, for whom one was made in 1715 by Rowley, from designs by the clock-maker George Graham. Professor Roger Long constructed one eighteen feet in diameter, in 1758, for Pembroke Hall, Cambridge, where it probably still remains; and Doctor William Kitchiner mentioned one by Arnold, annually exhibited in London about the year 1825, that was 130 feet in circumference.