

These *betas*, with  $\alpha$ ,  $\nu$ ,  $\phi$ ,  $\pi$ , and  $\rho$  farther to the south, were the 20th *sieu* of China, **Nieu**, or **Keen Nieu**, the Ox, anciently **Ngü**, or **Gü**, themselves being the determinants. The lunar asterism was in some way intimately connected in religious worship with the rearing of the silkworm in that country.

The two stars mark the head of the Goat, the components 205'' distant from each other, and each very closely double. The duplicity of  $\beta^1$  was first recognized in 1883 by Barnard from its behavior at an occultation by the moon, this discovery being soon verified and measured by Professor Young, Hough, and other observers.

$\gamma$ , 3.8.

**Nashira** is from **Al Sa'd al Nashirah**, the Fortunate One, or the Bringer of Good Tidings, which the early Arabs applied to this when taken with  $\delta$ . Smyth gave it as **Sa'dubnâshirah**; and the *Standard Dictionary* repeats this as **Saib' Nasch-rû-ah**!

Bayer had the later **Deneb Algedi**, the Tail of the Goat, that is more proper for  $\delta$ ; the *Alfonsine Tables* of 1521, **Denebalchedi**, which has degenerated to **Scheddi**; and the fine wall star-map of Doctor Ferdn. Reuter, **Deneb Algethi**; but this is erroneous, and a confusion with the Arabian title for the constellation Hercules.

$\gamma$  marked the 27th Babylonian ecliptic asterism, **Mahar sha hi-na Shahû**, the Western One in the Tail of the Goat.

With  $\delta$ ,  $\epsilon$ ,  $\kappa$  and stars in Aquarius and Pisces it was the Chinese **Luy Pei Chen**, the Intrenched Camp.

$\delta$ , 3.1.

**Deneb Algedi** is the transcription by Ulug Beg's translator of **Al Dhanab al Jady**, the Tail of the Goat; changed to **Scheddi** in some lists,—a name also found for  $\gamma$ .

Ideler said that these stars were **Al Muhibbain**, the Two Friends, an Arabic allegorical title for any two closely associated objects; but Beigel differed with him as to this, and wrote it **Al Muhanaim**, the Two Bending Stars,—in the flexure of the tail,—for "moral beings are foreign to the nomad sky."

It marked the 28th ecliptic constellation of Babylonia, **Arkat sha hi-na Shahû**, the Eastern One in the Tail of the Goat.

$5^\circ$  to the eastward is the point announced by Le Verrier<sup>1</sup> as the position

<sup>1</sup> Flammarion, who was intimate with Le Verrier, thinks that the latter never had the curiosity to observe his planet through the telescope, strangely content with his mathematical achievement! And it is interesting to know that Doctor Galle, in his 85th year, in 1896 received the congratulations of the astronomical world upon the 50th anniversary of the finding of Neptune.