

menta or Carmentis, worshiped and at times invoked by their women. Porrima was known as **Prorsa** and **Prosa** by Aulus Gellius of our 2d century.

γ was specially mentioned by Kazwini as itself being **Zāwīat al 'Awwā'**, the Angle, or Corner, of the Barker; and Al Tizini, with Ulug Beg, had much the same name for it; but Al Bīrūnī, quoting from Al Zajjāj, said that "these people are all wrong," and that 'Awwā' here meant "Turn," referring to the turn, or bend, in the line of stars. This interesting early figure is noticeable even to the casual observer, γ being midway between Spica and Denebola, the sides of the Kennel stretching off to the north and west, respectively marked by η and β , δ and ϵ .

In Babylonia it marked the 19th ecliptic constellation, **Shur-mahrū-ahirā**, the Front, or West, Shur (?); while individually it was **Kakkab Dan-nu**, the Star of the Hero, and the reference point in their annals of an observation of Saturn¹ on the 1st of March, 228 B. C., the first mention of this planet that we have, and recorded by Ptolemy.

The Chinese knew γ as **Shang Seang**, the High Minister of State.

Astronomers consider the two stars alternately variable in light; and some call both yellow, so following the apparent rule of similar coloration in components of binaries when of equal brilliancy; those unequal being of contrasting colors. In 1836 they showed as a single star in the largest telescope then in use; but now are 6'' apart, moving in an orbit more eccentric than any other as yet well determined, with a period of revolution estimated at about 190 years. The position angle in 1890 was 330°. They are of special interest to astronomers, as well as a show object to all.

They culminate on the 17th of May.

δ , 3.6, golden yellow,

although individually unnamed in our lists, was one of the 'Awwā'.

On the Euphrates it was **Lu Lim**, the Gazelle, Goat, or Stag,—or perhaps King; and, with ϵ , probably **Mas-tab-ba**, another of the seven pairs of Twin-stars of that country. The Hindus called it **Āpa**, or **Āpas**, the Waters; and the Chinese, **Tsze Seang**, the Second Minister of State.

Secchi alluded to δ as *bellissima*, from its most beautiful banded spectrum of the 3d class of spectra, like that of α Herculis.

ϵ , 3.3, bright yellow,

is the **Vindemiatrix** of the *Alfonsine Tables*, whence it has descended into modern lists; but in Latin days it was **Vindemiator** with Columella, which

¹ Saturn was $\chi\phi\acute{o}\nu\alpha\varsigma$ and $\Phi\acute{\alpha}\lambda\upsilon\nu\alpha\varsigma$, the Shiner, with the Greeks; Al Thākīb, the Piercer, with the Arabs; and Saturnus, or Stella Solis, with the Latins.