

**METHOD OF USING THE STARS
LISTED UNDER « ADDITIONAL STARS »
IN THE « NAUTICAL ALMANAC »**

After an article by Lieutenant J. B. FEASTER, U. S. Navy :
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GHA for major navigational stars are tabulated daily in the *Nautical Almanac*. Very often, however, it is impossible at sea to use the major navigational stars and recourse is then made to those stars which are shown in the *Almanac* under the heading "Additional Stars", employing the following method :—

1. Selection is made of a suitable star for which GHA has been tabulated daily in the *Nautical Almanac*, as a reference star ;

2. GHA for this reference star for the desired GCT is computed in the usual manner ;

3. The angular difference in *right ascension* between the desired star and the reference star is determined ;

4. This difference is used to correct the above-calculated GHA to obtain the GHA of the desired star.

The necessity for working out step No. 3 each time is avoided by Tables established by Lieutenant J. B. Feaster which show for the "Additional Stars", differences in right ascension expressed in arc and based on six reference stars : *Aldebaran, Regulus, Alphacrux, Antares, Deneb* and *Markab*.

In selecting the reference star, attention has been given to choosing one having greater right ascension than the desired star in order that the correction be always an additive factor.

