A New Use for the Traverse Table

Pesi Sorab

THERE are occasions when it can be useful to plot bearings from objects not shown on the chart, for example a radiobeacon or a lighthouse outside the coverage of the chart in use. The traverse table may be used for this purpose in the following manner:

1. Establish the latitude and longitude of the object (radiobeacon, lighthouse, &c.).
2. Choose a convenient latitude from which to plot the bearing and calculate the difference of latitude between it and the object.
3. With the bearing as *course* extract from the tables the departure corresponding to this d. lat.
4. For the middle (or mean) latitude derive the corresponding d. long. and apply it to the longitude of the bearing object.
5. Plot the bearing, as a position line, through the chosen latitude and the longitude thus derived.

Example. Navigating on Admiralty Chart 2454 in the vicinity of 50° 20′ N., 2° 50′ W., Start Point radiobeacon bore 258°. Other radiobeacons on the chart give too fine an angle of cut. However Casquets radiobeacon (not shown) bore 154° some 40 miles distant.

Casquets (from, e.g., *Reed's Nautical Almanac*) = 49° 43′5 N., 2° 22′5 W.
Chosen latitude = 50° 15′ N.
D. lat. = 31′5.
Dep. = 15′3 (for course 26°).
D. long. = 24′0 (for mid. lat. 50°).
Long. Casquets = 2° 22′5.
+ d. long = 2° 46′5 W.

The position line is then drawn 154°/334° through 50° 15′ N., 2° 46′5 W.

I am grateful to J. Michael Gale, my instructor in navigation for the D. T. I. Yachtmaster's Certificate, for his encouragement in developing this method.

'Martelli's Tables'

A. N. Black

As the hitherto anonymous reviser who prepared the current G.H.A. edition of Martelli's Tables,[1] I was interested, instructed and surprised by Captain Cotter's article in the Forum[2] on this subject. I was surprised that he should write of them as if they were things of the past. In fact they are available off the shelf at my local chart agents, and no doubt elsewhere, so a demand presumably exists today, and they are in current use. From some of the comments which he makes,