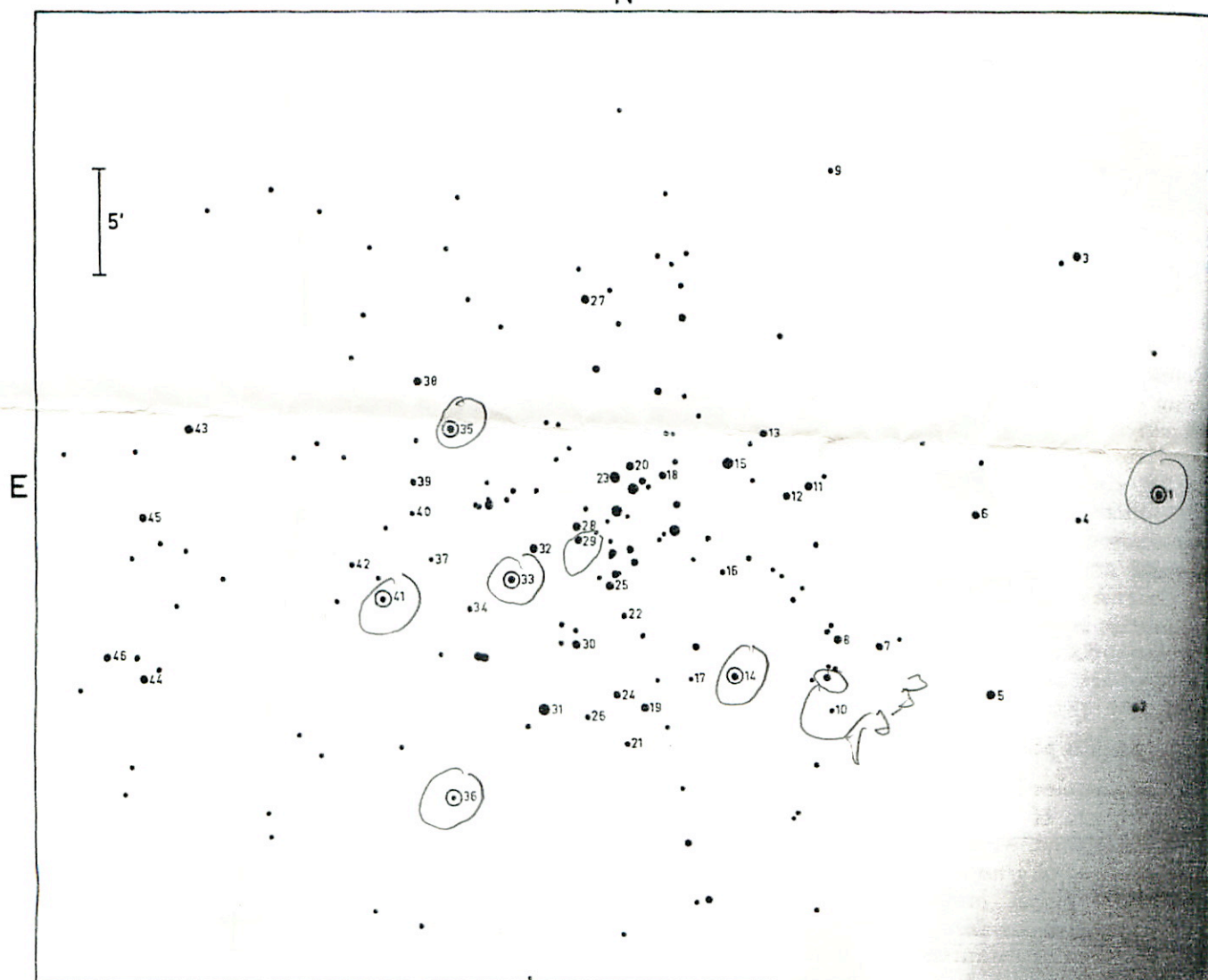


FIGURE 10

N



Identification chart for stars in NGC 6124. The red giants are marked with circles.

stars Nos. 9, 12 and 40, for which deviations larger than $m_{0.1}$ were found.

The mean errors of the zero-points for V , $B - V$ and Cu are estimated to be $\pm m_{.009}$, $\pm m_{.006}$ and $\pm m_{.010}$.

In the two-colour-index diagram (Figure 11) we see a number of Draper B8 and A0 stars, represented by black dots, clustering around $B - V = 0.65$. Several A0 stars, given by open circles, have a larger deviation. By a displacement in the direction of the reddening path they can be brought into the cluster of points near $B - V = 0.65$. Moreover the same displacement in $B - V$, along the reddening path, given by formula (3), in the magnitude-colour-index diagram (Figure 12) brings them into the right

apparent-magnitude region. Thus they are members of NGC 6124, but with deviations in reddening.

Of the stars represented by triangles only two are known. One F- and three G-type stars are represented in both diagrams by a cross. According to their apparent magnitudes they are foreground stars. The K and M giants are also foreground stars. They have the same mean $B - V$ as the group of A0 stars and so they are also foreground stars. In the magnitude-colour-index diagram they show a small spread in magnitude. They are marked with a circle.