











## **Mapping OB Associations**

- During the mid to late 1950's, astronomers (Morgan, Osterbrock) located OB associations, and took spectra of the individual stars.
- Spectroscopic classification and/or H-R diagrams gave astronomers the luminosities, L, (actual brightness) of the stars.
- Correcting for reddening, and using the apparent brightness, b, astronomers could calculate the distances, d, to the OB associations.

$$b = \frac{L}{4\pi d^2}$$

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