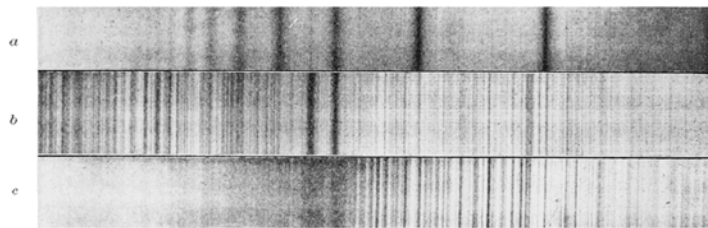
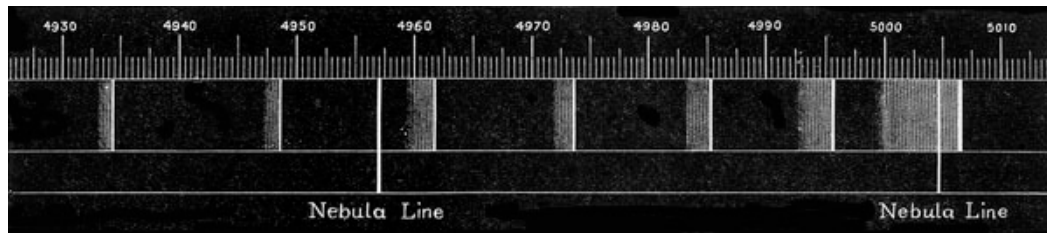


## Margaret Huggins Fact Sheet

- Margaret Huggins was a late 19th century astronomer.
- She worked with her husband, William Huggins, in his private observatory in Tulse Hill, England.
- They were pioneers in the field of spectroscopy (the science of studying radiation spectra).
- They used spectra to learn about the sun, other stars and nebulae.
- She used her background in photography to facilitate early spectroscopic photography.
- Margaret and her husband used both photographs and drawings of spectra to study objects in space.
- Another astronomer, Joseph Norman Lockyer, claimed that nebular spectra contained magnesium lines. Margaret and her husband correctly disputed this claim. The nebula that they and Lockyer were observing does not contain magnesium.



Huggins' photographs of the characteristic spectra of (a) white, (b) yellow, and (c) red stars.



The Huggins' illustration comparing the visible magnesium spectrum with that of a nebula (1882)