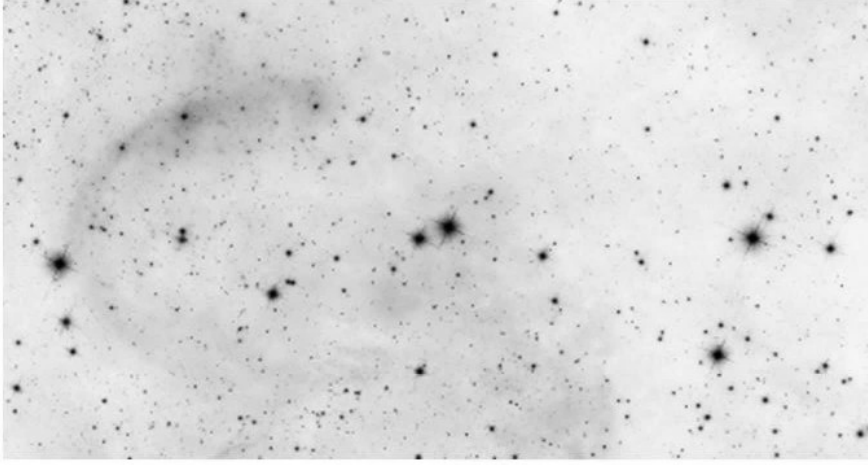
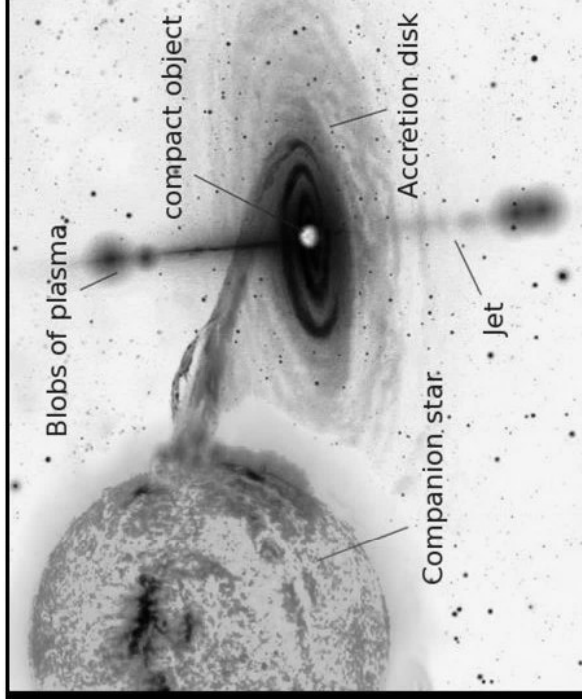


Discovered in 1964, **Cygnus X-1** is one of the strongest persistent X-ray sources known, and the brightest X-ray source (indicated X-1) in Cygnus.

Cygnus X-1 has a mass 14.8x that of the Sun and its compact size indicates that it can't be a regular star or any object other than a black hole.



The black hole in Cygnus X-1 ejects a jet of material (towards the upper right) that shines in radio waves.

Relativistic jets emanate perpendicular to the accretion disk of the black hole.

<http://hubblesite.org/>

The curved bow shock structure shown in the image left is the result of one of these jets interacting with the dense interstellar material.

<http://www.astroeder.com>

