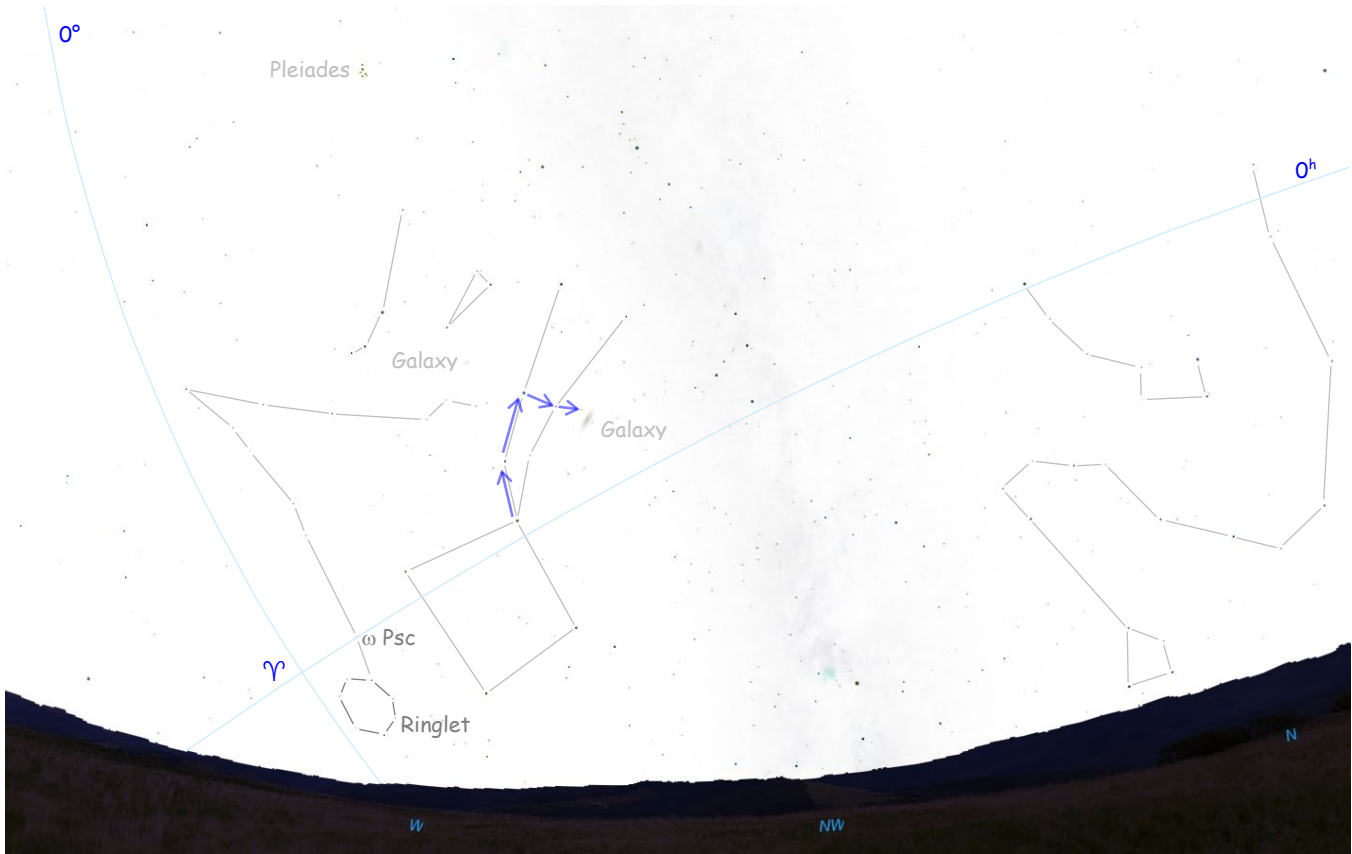


**Label the stars you actually SEE** with their name or Bayer Greek letter<sup>15</sup>, fill out the table<sup>6</sup>, look for the Ringlet,  $\omega$  Psc and the Vernal Equinox ( $\Upsilon$ ) just south of  $\omega$  Psc. Also look for the Pleiades and galaxies, and reflect on your experience<sup>10</sup>. On the back, fill out the table<sup>35</sup> and write about interesting objects in these constellations<sup>15</sup>.

View WNW from Canton January 31, 8:00 pm



Name:	Companions:
Date:	Time:
Sky:	Moon:

Spend at least  $\frac{1}{2}$  an hour outside at night looking at the sky. How easy is it for you to find the constellations? Could you see the object listed above? Describe what you were able to see and how you managed to find it.<sup>10</sup>

Use Appendix 2, the Atlas Charts, and the internet (Google the names ... Wikipedia is fine, anything by Kaler is excellent) to research the following stars: <sup>35</sup>

BAYER DESIGNATION	OTHER NAME	VISUAL MAG. (V)	ABSOLUTE MAG. (M <sub>V</sub> )	DISTANCE (ly)	MEANING OF NAME AND/OR OTHER FUN FACTS (REQUIRES RESEARCH)
α And					
β And					
γ And					
α Peg					
β Peg					
γ Peg					
α Ari	Hamal	2.00	0.5	66	"head of the ram", evolved giant star, planet 1.8M <sub>Jup</sub> , at 1.2 AU
β Ari					

Read the Atlas Charts for the Great Square and constellations (9, 20, 21, 22), particularly the Andromeda & Triangulum galaxies (9), and write some interesting facts about them. <sup>15</sup> (WRITE ENOUGH TO BE WORTH THE POINTS)