

Just for Fun Reference – Library Telescope Presentation 20 Jan 2021

Resources:

- Learning the Constellations: Purchase online at [Membership, Merchandise and Donate Page - Arkansas Natural Sky Association \(darkskyarkansas.org\)](#)
- Make your own Planisphere: <https://in-the-sky.org/planisphere/index.php>
- Stellarium: <https://stellarium.org>
- SkyMaps: <http://www.skymaps.com>
- Phone Apps you might like
 - “Moon Phase Calendar” Lunar and sunrise sunset data.
 - Sky Safari

Book Recommendations:

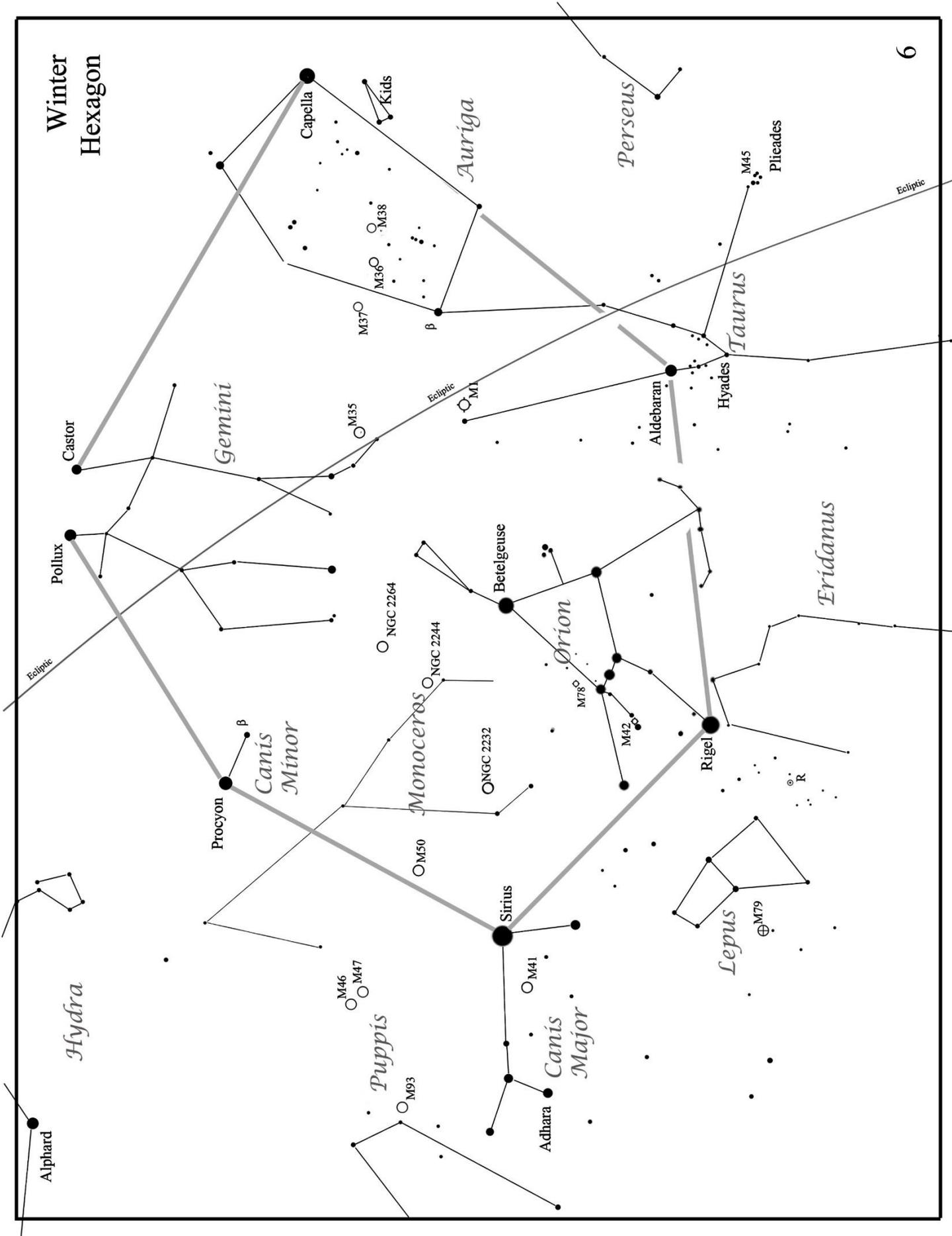
- NightWatch: A Practical Guide to Viewing the Universe: Terence Dickerson
- Turn Left At Orion
- Sky & Telescope Pocket Sky Atlas
- The Sky by David Levy
- Touring the Universe with Binoculars – Phil Harrington
- The Sky – H. A. Rey

Youtube Video Recommendation: Ed Ting - many videos beginning to advanced.

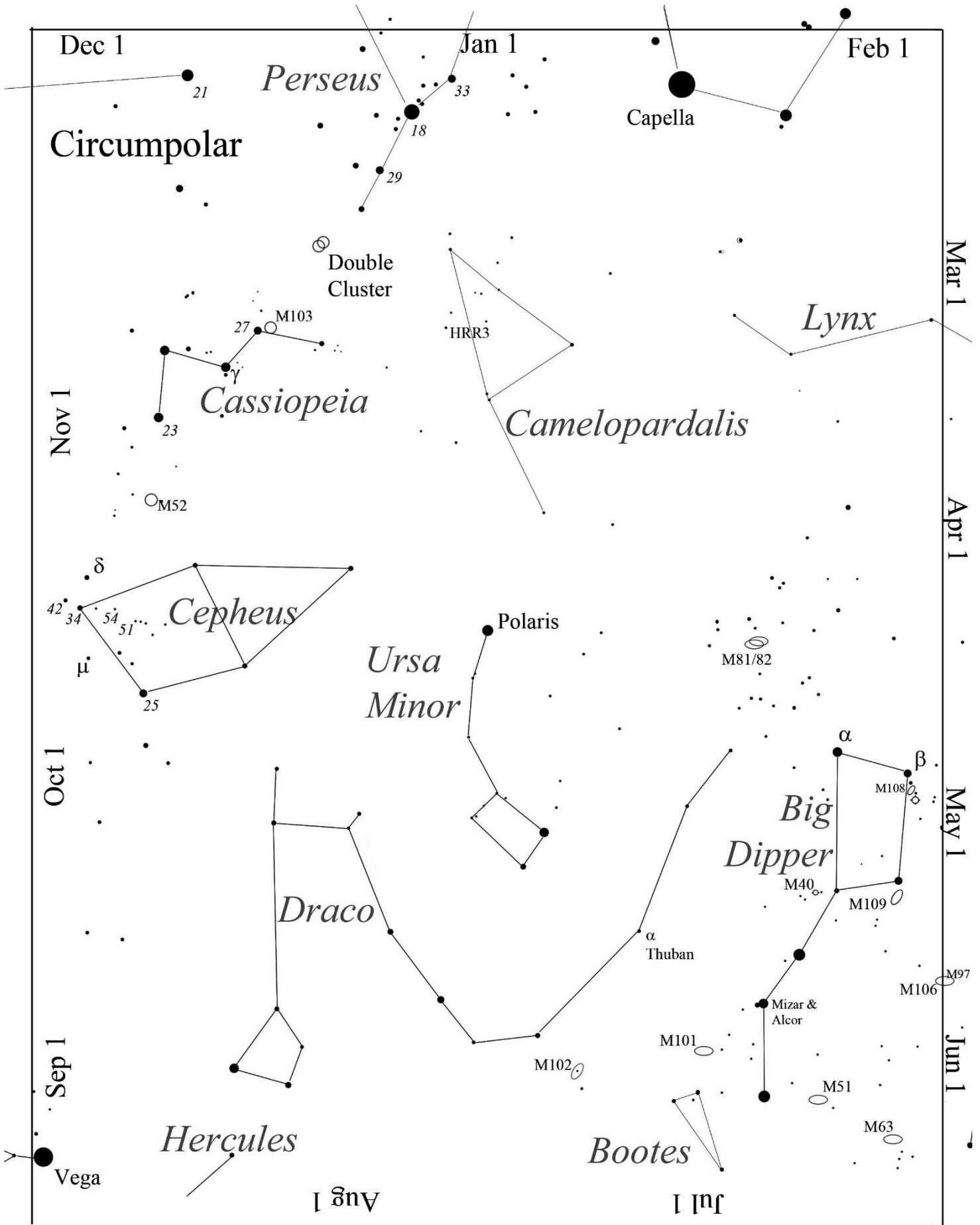
Practice with library scope in the Daytime

- Put Zoom Eyepiece on widest image (24mm)
- Find a distant telephone pole, tree or whatever (**never even get close to looking toward the sun**)
- Learn to focus and Zoom In
- Turn on the red dot finder and adjust if needed so it is pointed at object you are viewing. See handout for how to adjust. Turn off red dot finder.
- Get comfortable with scope. It is harder in the dark to learn it.
- Check out the Red Light that came with the scope

The following handouts are from Learning the Constellations – to get you started with the Winter Sky.



Winter Hexagon



Observing Lists for each Season with the best objects for Library Scope* and Constellations and Stars for Naked Eye

Every Season

*Moon if up _____ *Jupiter if up _____
*Mars if up _____ *Saturn if up _____
Venus if up _____ North Star _____
Cassiopeia _____ Big Dipper _____

Winter pgs 6-8

Winter Hexagon _____ Orion _____
*M42 in Orion _____ Betelgeuse (Red) _____
Rigel in Orion (Blue White) _____ *Pleiades in Taurus _____
Hyades & Aldebaran (Red) _____ *M35 in Gemini _____
Capella (Yellow) in Auriga _____ *M36, M37, M38 in Auriga _____
Sirius in Canis Major _____ *M41 in Canis Major _____

Spring pgs 10-13

Spring Diamond _____ Arcturus (orange) _____
*Mizar and Alcor in Big Dipper p. 4-5 _____
Spica (Blue) _____ Leo the Lion _____
*Cor Caroli in Canes Venatici _____ *M3 _____
Coma Berenices _____ * Coma Berenices Star Cluster _____

Summer pgs 14-15

Summer Triangle _____ Vega in Lyra (Blue) _____
Lyra the Lyre _____ Aquila the Eagle _____
Cygnus the Swan _____ *M57 in Lyra _____
*Albireo in Cygnus _____ *M11 in Scutum _____
*M13 in Hercules _____
Southern Summer Ecliptic pgs. 16-17
Scorpius _____ Antares (Red) _____
Sagittarius _____ *M8 in Sagittarius _____
*M17 In Sagittarius _____ *M22 in Sagittarius _____

Fall pgs 18-19

Fall Square of Pegasus _____ *M15 _____
* Andromeda Galaxy _____ Perseus _____
Algol the Demon Star _____ *Double Cluster in Perseus _____
Aries _____ * Gamma Aries _____