

Autumn 2019

Prairie Sky

First Quarter		Full Moon		Last Quarter		New Moon	
September	5th	September	13th	September	21st	September	28th
October	5th	October	13th	October	21st	October	27th
November	4th	November	12th	November	19th	November	26th
December	4th	December	11th	December	18th	December	25th

September
23rd Autumn Equinox

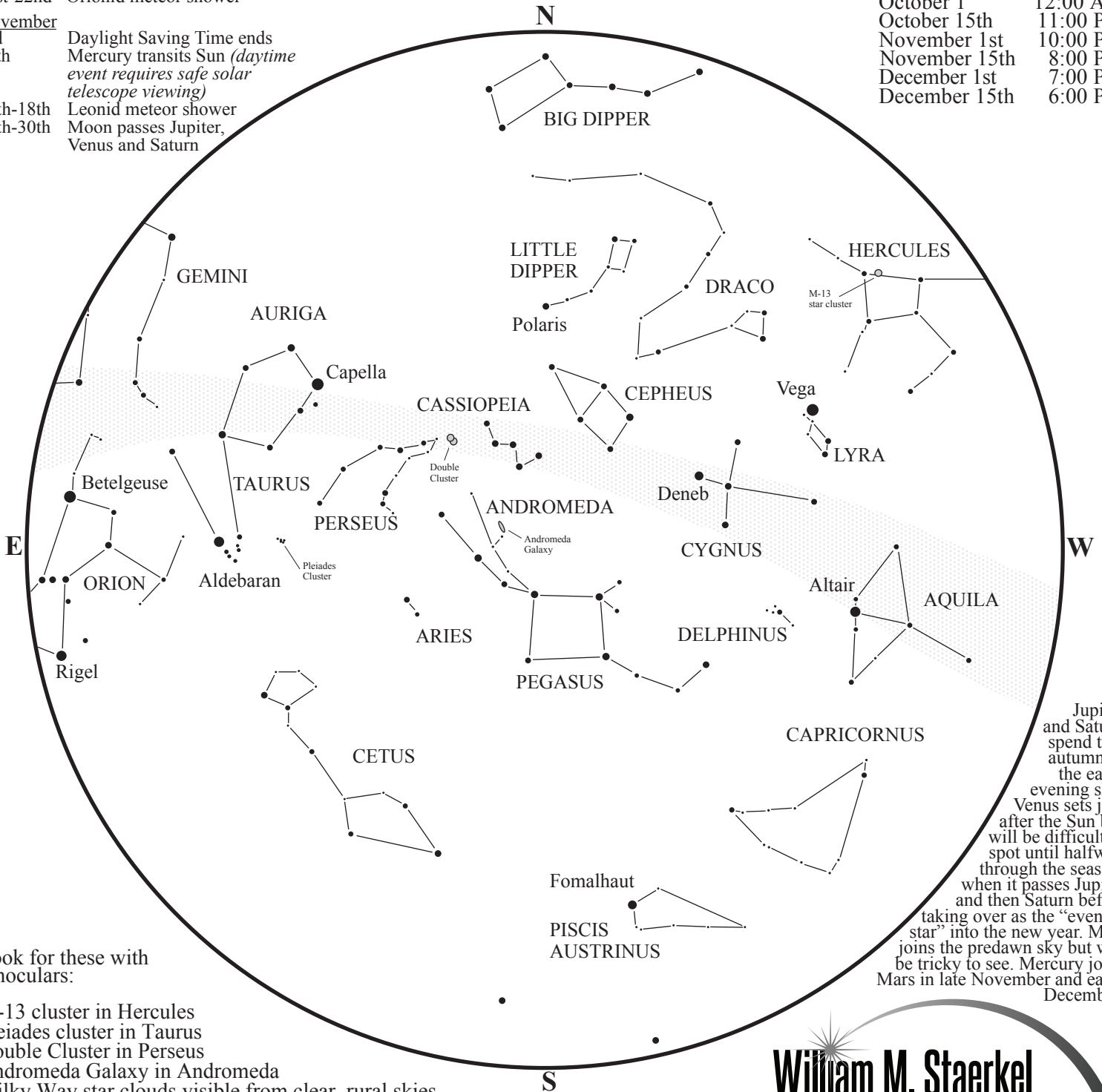
October
21st-22nd Orionid meteor shower

November
3rd Daylight Saving Time ends
11th Mercury transits Sun (*daytime event requires safe solar telescope viewing*)
17th-18th Leonid meteor shower
28th-30th Moon passes Jupiter, Venus and Saturn

December
13th-14th Geminid meteor shower
21st Winter Solstice

To use this chart, hold it face-down, above your head, so that the directions match your surroundings.

September 15th	1:00 AM
October 1	12:00 AM
October 15th	11:00 PM
November 1st	10:00 PM
November 15th	8:00 PM
December 1st	7:00 PM
December 15th	6:00 PM



Look for these with binoculars:

- M-13 cluster in Hercules
- Pleiades cluster in Taurus
- Double Cluster in Perseus
- Andromeda Galaxy in Andromeda
- Milky Way star clouds visible from clear, rural skies

Jupiter and Saturn spend this autumn in the early evening sky. Venus sets just after the Sun but will be difficult to spot until halfway through the season, when it passes Jupiter and then Saturn before taking over as the "evening star" into the new year. Mars joins the predawn sky but will be tricky to see. Mercury joins Mars in late November and early December.

For Planetarium schedules and more information about the night sky, call the "showline" at 217/351-2446, or check out our website at www.parkland.edu/planetarium

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PLANETARIUM