

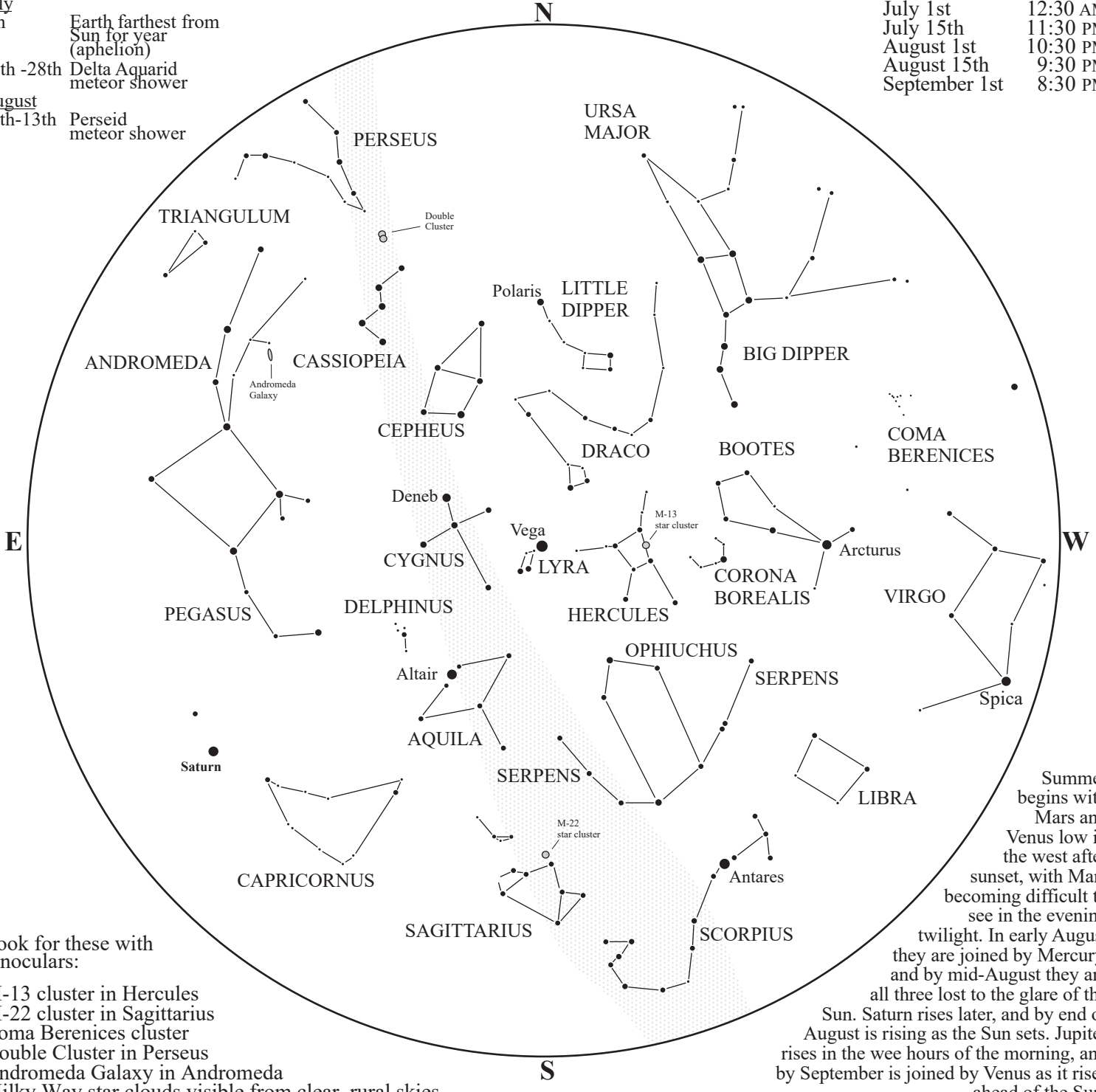
Summer 2023

Prairie Sky

Full Moon		Last Quarter		New Moon		First Quarter										
June 3rd	July 3rd	August 1st	August 30th	September 29th	June 10th	July 9th	August 8th	September 6th	June 17th	July 17th	August 16th	September 14th	June 26th	July 25th	August 24th	September 22nd

June 21st Summer Solstice **September 23rd** Autumn Equinox
 To use this chart, hold it face-down, above your head, so that the directions match your surroundings.

July 6th Earth farthest from Sun for year (aphelion)
July 27th - 28th Delta Aquarid meteor shower
August 12th - 13th Perseid meteor shower
July 1st 12:30 AM
July 15th 11:30 PM
August 1st 10:30 PM
August 15th 9:30 PM
September 1st 8:30 PM



Look for these with binoculars:
 M-13 cluster in Hercules
 M-22 cluster in Sagittarius
 Coma Berenices cluster
 Double Cluster in Perseus
 Andromeda Galaxy in Andromeda
 Milky Way star clouds visible from clear, rural skies

Summer begins with Mars and Venus low in the west after sunset, with Mars becoming difficult to see in the evening twilight. In early August they are joined by Mercury, and by mid-August they are all three lost to the glare of the Sun. Saturn rises later, and by end of August is rising as the Sun sets. Jupiter rises in the wee hours of the morning, and by September is joined by Venus as it rises ahead of the Sun.

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