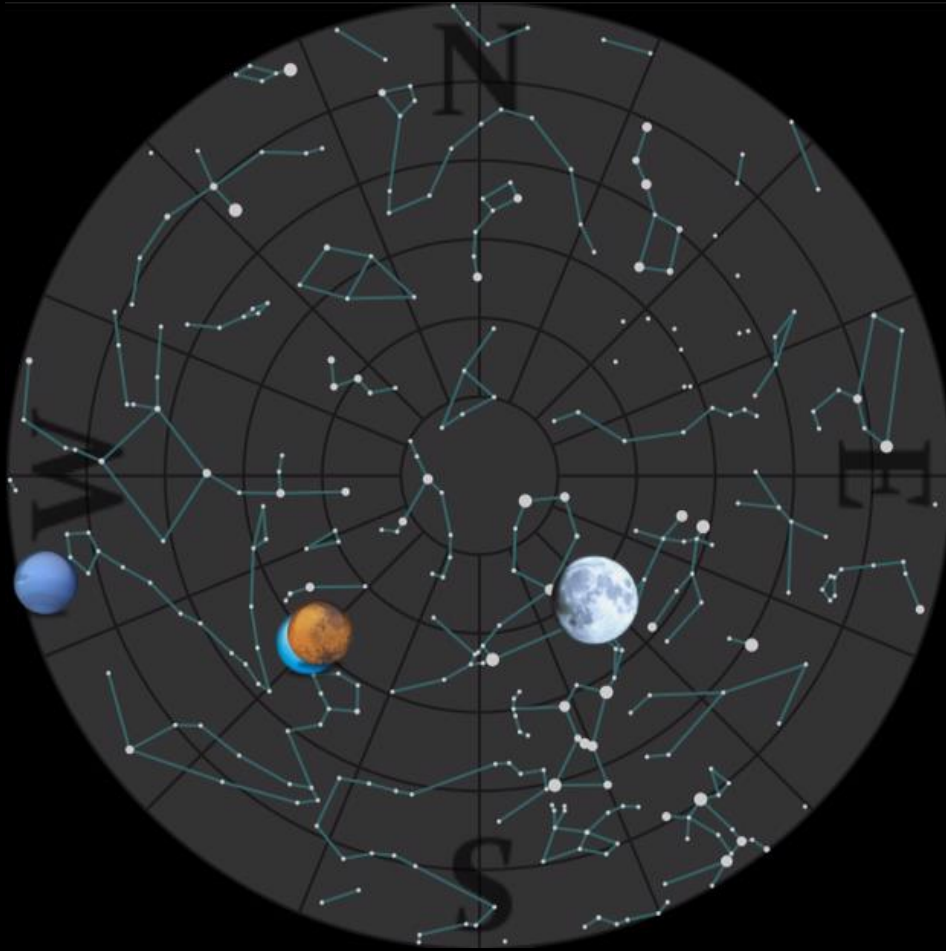


# What's Up?

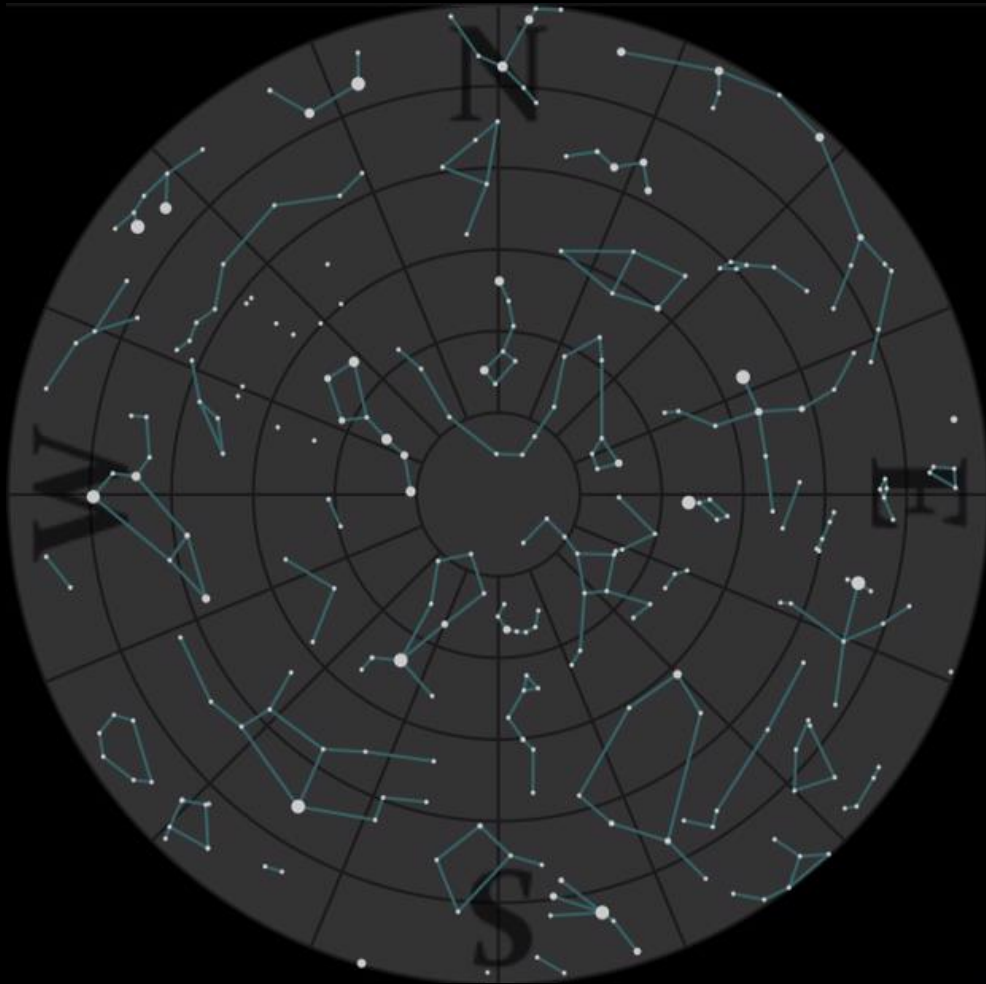
2021 January 25 to February 22

Bill Barton, FRAS

•The Sky 20:00  
Tonight







•The Sky 07:00  
Tomorrow



# Inner Solar System

- Sun
  - Declination increasing, perihelion January 2, equinox March 20
- Mercury
  - In evening sky, greatest eastern elongation January 24 ( $19^\circ$  )
  - Inferior conjunction on February 8
  - Then in morning sky, greatest western elongation March 6 ( $27^\circ$  )
  - Today, rise 08:30, transit 13:20, set 18:10
  - Perhaps the best chance to see this elusive planet this year?
- Venus
  - In morning sky, superior conjunction March 26
  - Today, rise 07:05, transit 11:05, set 15:00

# Earth

- Time
  - 00:00UT  $\approx$  08:20ST today
  - Today, sunrise 07:45, transit 12:05, sunset 16:25
  - End of period, sunrise 06:50, transit 12:05, sunset 17:20
- Moon
  -  Full, 28 (Wolf or Old Moon)
  -  Last Quarter, 04
  -  New, 11
  -  First Quarter, 19
- Meteors
  - only sporadic activity this period

# Occultations

- Lunar
  - 1 February, v Virginis, mag 4.0
  - Disappearance at Bright limb 00:28
  - Reappearance at Dark limb 01:37

# Outer Solar System

- Mars
  - Solar conjunction October 8. Today, rise 10:30, transit 18:00, set 01:30
- Jupiter
  - Solar conjunction January 29, opposition August 20. Today, rise 08:00, transit 12:20, set 16:40
- Saturn
  - Solar conjunction January 24, opposition August 2. Today, rise 07:50, transit 12:00, set 16:20
- Uranus
  - Solar conjunction April 30, opposition November 4. Today, rise 10:40, transit 17:50, set 01:10
- Neptune
  - Solar conjunction March 11, opposition September 14. Today, rise 09:20, transit 14:55, set 20:30

# OASI Events

- Recorded Presentation
  - Spacecraft I've Known and Loved
  - Prof John Zarnecki
  - 8:00pm, Monday February 8
- Live Presentation
  - From Big Bang to Periodic Table
  - Dr Richard Miller
  - 8:00pm, Friday February 19



# Societies Events

- Physical Events Cancelled or Postponed due to Coronavirus
- Virtual Meetings or Webinars
- CPRE Starcount 2021
  - 6-14 February