

Mars 2014-05-06 1:58:30 UT CM222.3 David Whalen



“WHAT’S UP”

A presentation of “what’s up” in the
night sky



This Month's Sky: June/July 2014

- **Our Solar System Tonight**
- **Target List**
- **June Solstice**
- **Moon/Mars Occultation**
- **Moon/Saturn Conjunction**
- **Delta Aquarids Meteor Shower**
- **Gee Whiz Question of the Month**
- **CE Observing Challenge**



Our Solar System Tonight

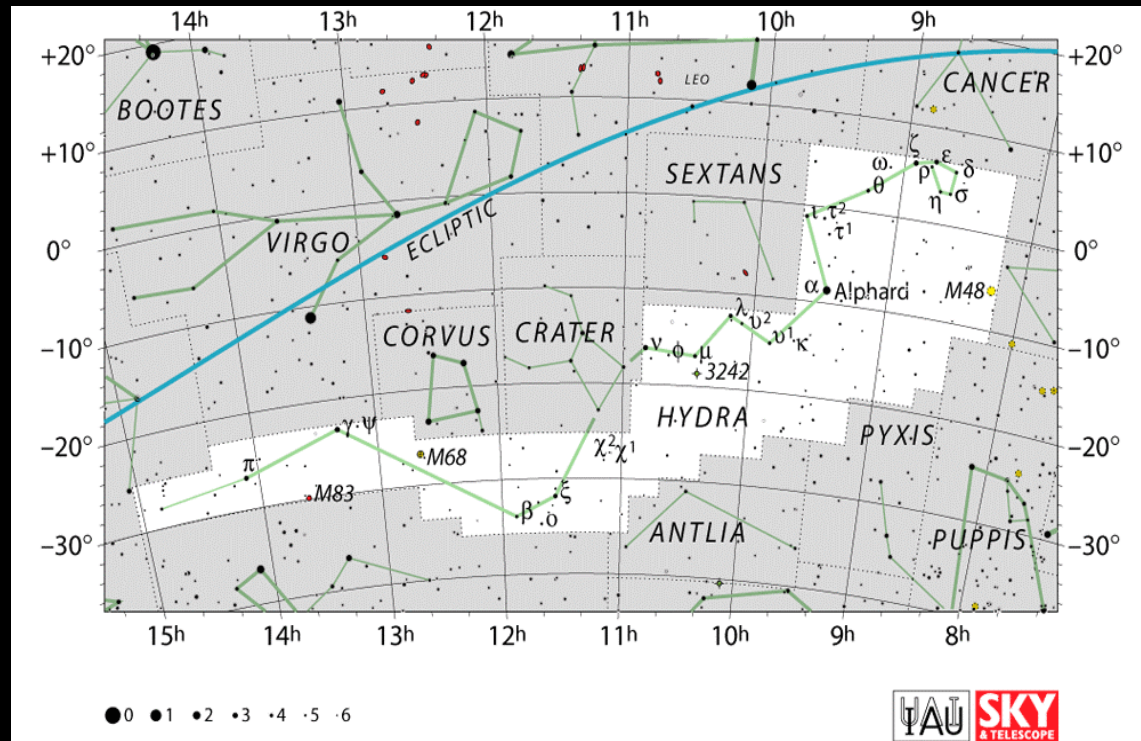
| | Rises | Sets |
|---------|------------|------------|
| Sun | 6:25 a.m. | 8:48 p.m. |
| Moon | 2:24 a.m. | 3:37 p.m. |
| Mercury | 6:30 a.m. | 8:20 p.m. |
| Venus | 4:27 a.m. | 6:13 p.m. |
| Mars | 2:44 p.m. | 2:18 a.m. |
| Jupiter | 8:19 a.m. | 10:24 a.m. |
| Saturn | 5:14 p.m. | 4:02 a.m. |
| Uranus | 2:20 a.m. | 2:54 p.m. |
| Neptune | 12:38 a.m. | 11:52 a.m. |



HydraOver Charlie Elliott

Hydra Deep Sky Objects
Visible this month
(Be sure to ask for a sky map!)

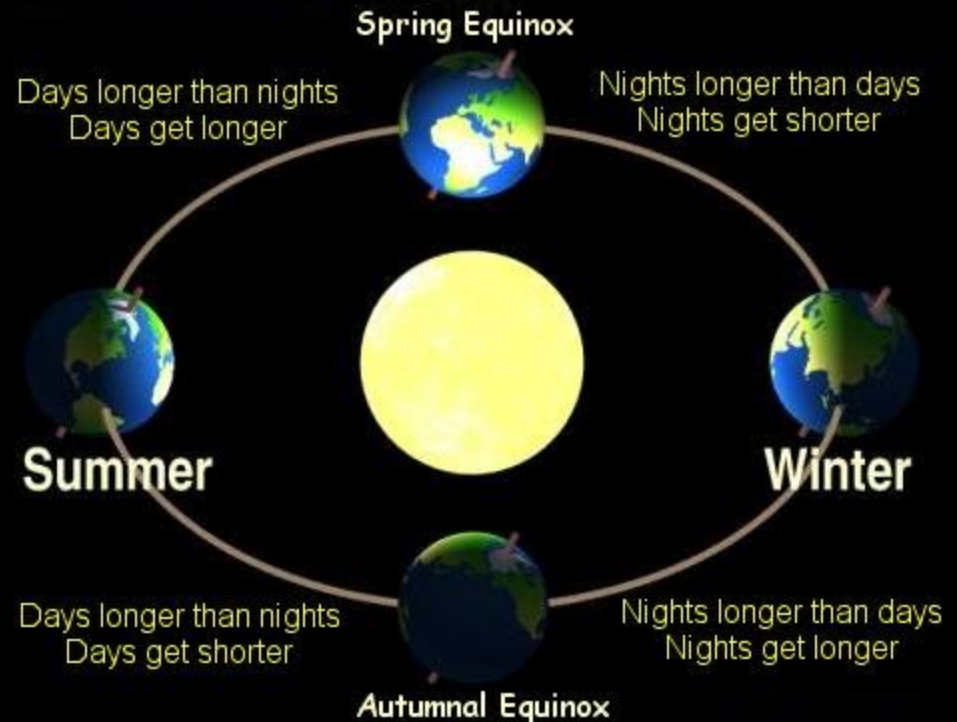
| Object | Description | Magnitude |
|------------------|--------------------------|-----------|
| M83 | Spiral Galaxy | 7.6 |
| M68 | Globular Cluster | 8.2 |
| NGC 3242 | Planetary Nebula | 9 |
| M48 | Open Cluster | 5.8 |
| ϵ Hydra | Variable Double Start | 3.4/4.9 |





The Summer Solstice

The 2014 Summer Solstice in the Northern Hemisphere occurs 6/21/2014 at 6:51 a.m. A solstice occurs twice each year. Once on or around June 21st, and again on or around December 21st. A solstice occurs when the tilt of the Earth is inclined either towards the Sun (Summer in the Northern Hemisphere) or away from the Sun (Winter in the Northern Hemisphere). These are the longest and shortest days of the year.





Moon/Mars Occultation

Date and Time ×

2014 / 7 / 6 0 : 8 : 0



W



Saturn/Moon Conjunction (.4°)

Date and Time X

2014 / 7 / 7 22 : 0 : 0



Saturn

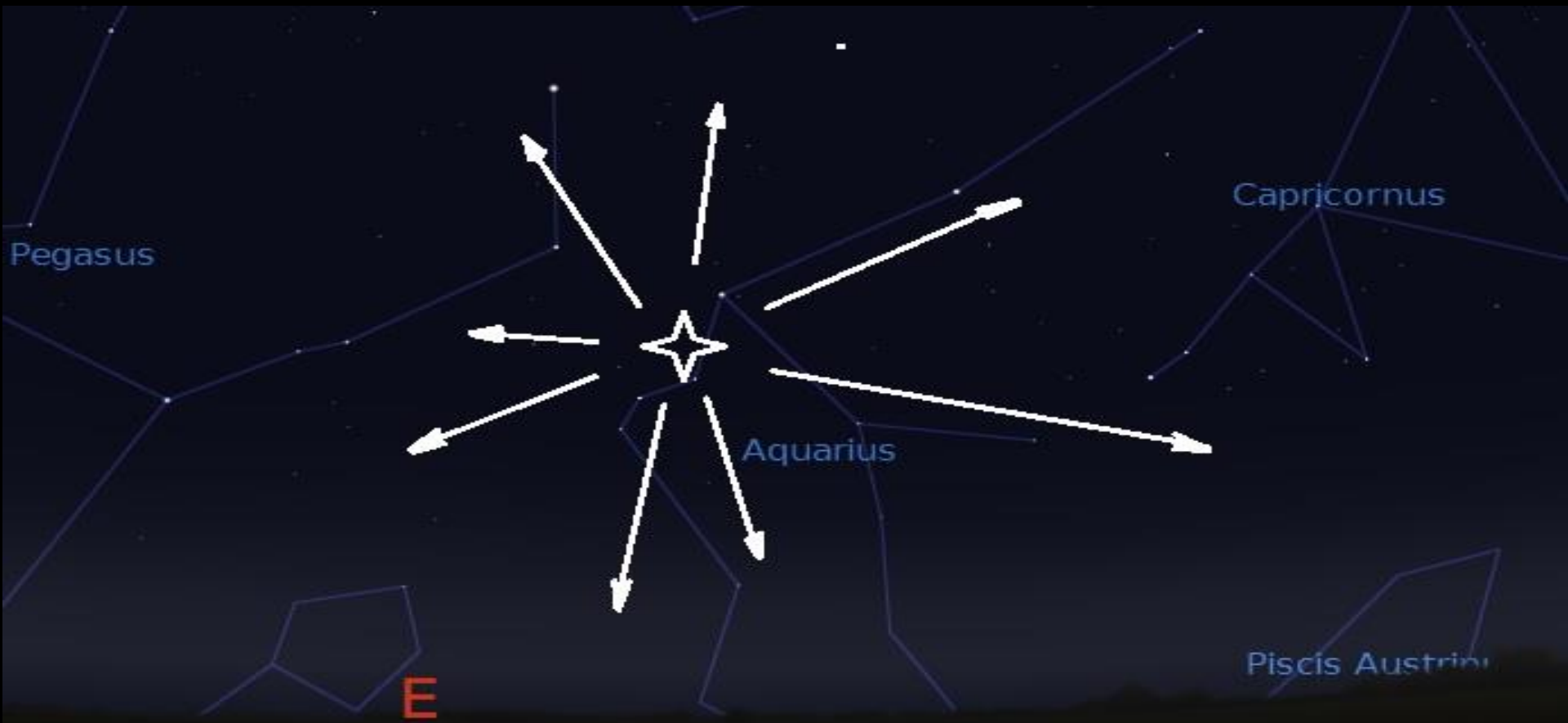
Moon (x4)

Mars

S



Delta Aquarids Meteor Shower





Gee Whiz Question(s) of the Month

On this day in history (1633), this man is forced by Inquisition to "abjure, curse, & detest" his Copernican heliocentric views



Gee Whiz Question(s) of the Month

Galileo Galilei



CE Observing Challenge

Minkowsky 1-92 (Footprint Nebula)

- Reflection nebula in Cygnus
- Magnitude 11
- Right Ascension: 19h 36m .3s
- Declination: 29° 33'

ENJOY!!



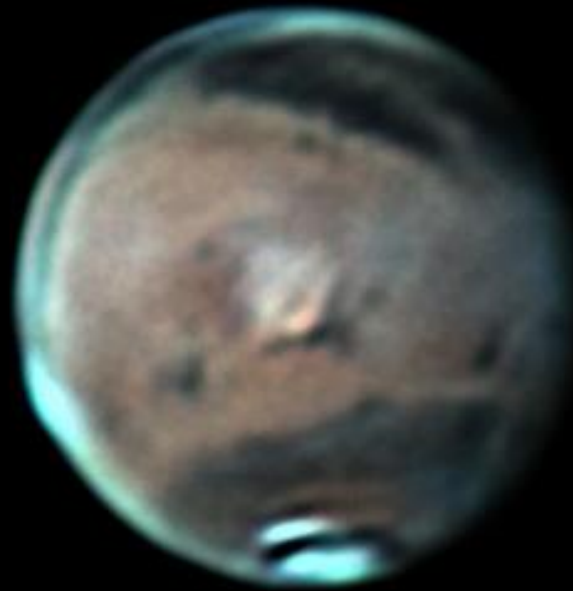
Useful Websites

- Stellarium for Windows
- SkySafari for Android
- Sky and Telescope:
<http://www.skyandtelescope.com>
- Farmers Almanac:
<http://www.almanac.com/astronomy>
- CEA Facebook page: <http://bit.ly/CEAAstronomy>
- Virtual Moon Atlas



Next Meeting

June 26



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