



First Light

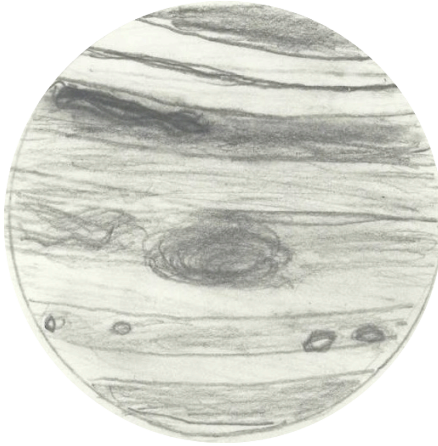
The Newsletter of the Cape Cod Astronomical Society



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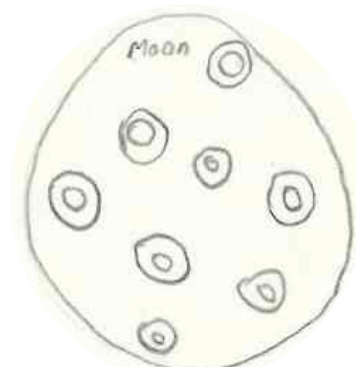
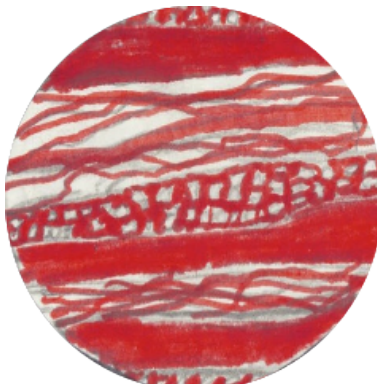
Who Made These Sketches... Was it Galileo?



Jupiter?



Moon?



Please see story on page 4 to find out who made these sketches...

Next Monthly Meeting: is Thursday, June 12th, at 7:30pm. Please note that is the **SECOND THURSDAY** of the month. Bill Romanishin, Professor Emeritus of Astronomy at the University of Oklahoma, will discuss binary asteroids and their imaging. Public welcome. Please join us.

Reminder: The last "Quarter-Moon-Saturday" Star Party takes place June 7. Weekly Thursday Star Parties begin June 26th at 8:30pm, and continue weekly through end August. Please join us at the Werner Schmidt Observatory behind DY High School.

In this issue: Sketches by Galileo? / New Member / June & July Meetings on 2nd Thursdays / CCAS Election in July / New Dues Cycle starts July 1 / Venus and Ceres / "Every Planet" / Summer Solstice / Pluto Season

Cape Cod Astronomical Society

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Observatory Director	Joel Burnett	508-221-7380
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Cape Cod Astronomical Foundation

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Observatory Director	Joel Burnett	508-221-7380
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The **Cape Cod Astronomical Society** meets at 7:30 pm on the first Thursday of every month in the library of the Dennis-Yarmouth Regional High School in Yarmouth, Massachusetts. Meetings are open to the public. Membership dues are \$30 for adults, \$15 for students in two year colleges and part year residents, and no charge for spouses or for students in K-12 schools.

REFERENCES AND NOTES FOR THIS ISSUE:

1) Information for The Mooncussers Almanac and Monthly Observing Alerts was extracted from Sky Events, Astronomy Magazine Online (Astronomy.com), Stargazing.net's Planet Rise/Transit/Set calculator (<http://www.stargazing.net/mas/planet2.htm>), *Astronomy Magazine*, *Sky & Telescope Magazine*, *Sky and Telescope Skywatch 2011*, and other sources. The *Observer's Handbook, 2010 and 2011*, published by The Royal Astronomical Society of Canada is also an important reference, particularly for information on lunar libration and declination and the minima of Algol.

2) Information on how Libration and Declination Maxima and Minima can make visible parts of the moon normally hidden was reviewed in the January2007-January2008 *First Light*. Quick recap: Max Long brings to view extra right side; Min Long, extra left side; Max Lat, extra north side; Min Lat, extra south side. Max Dec puts it high in our sky during its transit; Min Dec puts it low.

3) Algol is an eclipsing variable star in Perseus which has its brighter component eclipsed or covered by its companion once every 2.87 earth days. When the dimmer component is not eclipsing the brighter, Algol appears typically about magnitude 2.1; when eclipsed, magnitude 3.3 The minima usually lasts about two hours with two hours on either side to bring it back to mag 2.1. Good comparison stars are γ -Andromedae to Algol's west, mag 2.1, and ϵ -Persei to its east, mag 2.9.

5) Here is the web address for Astronomy Magazine's "The Sky This Month" online for June:
<http://www.astronomy.com/magazine/sky-this-month/2014/04/plenty-of-pretty-conjunctions>

See also S&T resources online at <http://www.skyandtelescope.com/>

6) S&T's interactive Java utility for showing the positions of Jupiter's main moons for any date and time:

<http://www.skyandtelescope.com/observing/objects/planets/3307071.html> :

for Saturn's moons: <http://www.skyandtelescope.com/observing/objects/planets/3308506.html>
