



COFFS HARBOUR ASTRONOMICAL SOCIETY INCORPORATED

MINUTES AND NOTICE OF MEETING

MINUTES OF NOVEMBER MONTHLY MEETING HELD AT
BOAMBEE EAST COMMUNITY CENTRE,
MONDAY 1st of DECEMBER, 2014.

PRESENT: 10 members.

MEETING OPENED: 7:05pm with President, Win Howard in the chair.

APOLOGIES: Peter Black, Robin Hesketh, & Kevin Good

MINUTES OF LAST MEETING: Adopted as circulated by e-mail. Moved by Michael H. and carried by all

BUSINESS ARISING FROM MINUTES: Nil.

CORRESPONDENCE:

IN: Nil

OUT: Nil

GENERAL BUSINESS:

- LX 90 telescope for sale locally (further information provided in email 7/12/14)

THE TOPIC: Nil

TOPIC FOR NEXT MEETING: Open... Everyone is welcome to give a brief presentation on any topic(s) that they may have found of interest lately.

REPORTS FROM MEMBERS:

- Terry Gill kindly provided an interesting talk on the Iridium satellite network. For those who missed his talk further information is available from:
http://en.wikipedia.org/wiki/Iridium_satellite_constellation
And for opportunities to view Iridium Flares:
<http://www.heavens-above.com/iridiumhelp.aspx>
<http://www.heavens-above.com/>

- This lead on to a general forum where such topics as Sedna; The moon; The cause of tides & distances and their effects on space probes communication back to Earth were discussed.
- Win discussed the Geminids meteor shower that was to peak around December 12th -14th.
- And for our member's in attendance on Monday...While talking about the Moon, Win and Terry suggested that the "Lunar X" should have been visible briefly on Sunday night... To which I wondered if I'd was lucky enough to capture the same, in some photos I had taken the previous night... Voilà
8:03pm Sunday



REPORTS FROM THE PRESIDENT: *(this material is collected from the internet each month and presented in an edited form).*

- Martian Meteor Shower
<http://spaceweather.com/archive.php?day=07&month=11&year=2014&view=view&PHPSESSID=dgim0j3hn60o9n2inas98chik7>
- Revolutionary ALMA Image Reveals Planetary Genesis
<http://www.eso.org/public/australia/news/eso1436/>
- Weak Sun Poses Radiation Risk for Mars-Bound Astronauts
<http://www.space.com/27703-mars-astronauts-mission-sun-radiation.html>
- Amateur, Professional Astronomers Alike Thrilled by Extreme Storms on Uranus
<http://newscenter.berkeley.edu/2014/11/12/amateur-professional-astronomers-alike-thrilled-by-extreme-storms-on-uranus/>
- Heart of Supernova Reveals Hints of Hidden Pulsar
<http://www.abc.net.au/science/articles/2014/11/11/4125431.htm>
- Dark Galaxies Discovered in Coma Cluster
<http://www.skyandtelescope.com/astronomy-news/dark-matter-rich-galaxies-discovered-111820141/>
- Hubble Observations Cast Further Doubt on How Globular Clusters Formed
<http://www.astronomy.com/news/2014/11/hubble-observations-cast-further-doubt-on-how-globular-clusters-formed>

- Rosetta Comet Mission is Successful
<http://www.smh.com.au/technology/sci-tech/rosetta-comet-mission-is-successful-philae-lands-on-surface-of-comet-67p-20141112-11h0e.html>
 - Comet Landing: Organic Molecules Detected by Philae
<http://www.bbc.com/news/science-environment-30097648>
 - Explainer: What Philae Did in its 60 Hours on Comet 67P
<http://theconversation.com/explainer-what-philae-did-in-its-60-hours-on-comet-67p-34289>
 - 'Interstellar' Science: Is Wormhole Travel Possible?
<http://www.space.com/27845-interstellar-movie-wormhole-travel-feasibility.html>
 - Subaru Telescope Detects Sudden Appearance of Galaxies in the Early Universe
<http://www.subarutelescope.org/Pressrelease/2014/11/18/index.html>
 - Black Hole's Spin Packs the Quasar Punch
<http://www.abc.net.au/science/articles/2014/11/20/4132044.htm>
 - Spooky Alignment of Quasars Across Billions of Light Years
<http://www.eso.org/public/australia/news/eso1438/>
 - NASA's Swift Satellite Marks 10 Years of Game-Changing Astrophysics
<http://www.nasa.gov/content/goddard/nasa-swift-satellite-marks-10-years-of-game-changing-astrophysics/#.VIFkJGUcXs>
- I found this article of interest as well
- Play By Play: ESA's Comet Landing
<http://www.spaceflight101.com/play-by-play-philae-landing.html>

CLOSURE AND FUTURE MEETING TIMES:

The next monthly meeting, **the first for 2015**, will be **Monday 2nd of FEBRUARY, 2015**, at **Boambee East Community Centre, Bruce King Drive** at **7:00pm**, all members and interested persons are encouraged to attend.

CHAS TELESCOPE: Camilla

Roberto Cornale
Secretary