



# COFFS HARBOUR ASTRONOMICAL SOCIETY INCORPORATED

## MINUTES AND NOTICE OF MEETING

MINUTES OF APRIL'S MONTHLY MEETING HELD AT  
BOAMBEE EAST COMMUNITY CENTRE,  
MONDAY 6<sup>th</sup> of APRIL, 2015.

**PRESENT:** 10 members and 2 guests

**MEETING OPENED:** 7:03pm with President, Win Howard in the chair.

**APOLOGIES:** Camilla, Michael W., Peter & Frank

**MINUTES OF LAST MEETING:** Adopted as circulated by e-mail.

**BUSINESS ARISING FROM MINUTES:** Nil.

### **CORRESPONDENCE:**

- IN:**
- 1/.Webster Hyde Heath – Certificate of currency –General & Products Liability Insurance 28/4/15 to 28/4/16
  - 2/.Invitation to participate in the 2015 Astronomy Open Night – email April 15<sup>th</sup>
  - 3/.2015 CWAS "David Malin Awards" submissions now open – email April 15<sup>th</sup>

**OUT:** Nil

### **GENERAL BUSINESS:**

- April is the 10<sup>th</sup> anniversary for the Coffs Harbour Astronomical Society!

**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.

*Following the email regarding the Macquarie University 2015 Astronomy Open Night, Tom has suggested we look into holding a sister event (23/5/15). Sarah-Jane has also enquired into having a "Kid's Astronomy" night. Can I suggest we discuss this at May's meeting with the view to perhaps holding a combined event...*

## REPORTS FROM MEMBERS:

- Michael enjoyed sights of the moon and Jupiter and its moons.
- Terry's daughter while attending a wedding at Wee Waa enjoyed the April lunar eclipse (the closest to any CHAS member... thanks to Coffs wonderful weather!).
- Win spoke for looking for the supernova in NGC2442 and the nova Sagittarius 2015#2
- Coffs Coast Science & Engineering Challenge was held at Woolgoolga High School on Tuesday, 31st March. The initiative to host the Coffs Coast Challenge was spearheaded by Woolgoolga Rotary and Lions Club stalwarts, retired engineer, Peter Lacy and Lions president, Michael Hope. On the day of the challenge the thirty-two member Woolgoolga High School team competed against teams from six other schools from the Coffs Harbour and Grafton regions. Woolgoolga High was ranked a creditable third overall at the end of point scoring. James Morgan, Woolgoolga High School's Dux of 2013, is now studying Astrophysics at the Australian National University;

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

- Distant Supernova Split Four Ways by Gravitational Lens  
<http://newscenter.berkeley.edu/2015/03/05/distant-supernova-split-four-ways-by-gravitational-lens/>
- NASA Spacecraft Becomes First to Orbit a Dwarf Planet  
<https://www.nasa.gov/press/2015/march/nasa-spacecraft-becomes-first-to-orbit-a-dwarf-planet/>
- Thermonuclear Supernova Ejects Galaxy's Fastest Star  
<http://astronomynow.com/2015/03/07/thermonuclear-supernova-ejects-galaxys-fastest-star/>
- Ancient Galaxy Sheds Light on Dust in Early Universe  
<http://www.abc.net.au/science/articles/2015/03/03/4190272.htm>
- Sun Unleashes 1<sup>st</sup> Monster Solar Flare of 2015  
<http://www.space.com/28797-sun-unleashes-monster-solar-flare-x2.html>
- Hubble Observations Suggest Underground Ocean on Jupiter's Largest Moon  
<https://www.nasa.gov/press/2015/march/nasa-s-hubble-observations-suggest-underground-ocean-on-jupiters-largest-moon/>
- Icy Saturnian Moon May Have Hot Springs  
<http://www.abc.net.au/science/articles/2015/03/12/4195675.htm>
- Milky Way May be 50 Percent Bigger Than Thought  
<http://news.discovery.com/space/galaxies/the-milky-way-may-be-50-percent-bigger-than-thought-150310.htm>
- Aurora Australis, Spring Equinox, a Solar Eclipse and a Supermoon All in One Week  
<http://www.abc.net.au/local/photos/2015/03/20/4201700.htm>
- New Dwarf Galaxies Near Milky Way  
<http://www.skyandtelescope.com/astronomy-news/new-dwarf-galaxies-near-milky-way-031920153/>
- Nova in Sagittarius Brightens!  
<http://www.skyandtelescope.com/astronomy-news/observing-news/6th-mag-nova-in-sagittarius-still-brightening/>
- APEX Observations Help Unravel Mystery of Nova Vulpeculae 1670  
<http://www.eso.org/public/australia/news/eso1511/>
- Hubble and Chandra Discover Dark Matter is Not as Sticky as Once Thought  
<http://hubblesite.org/newscenter/archive/releases/2015/10/full/>
- Jupiter's Migration Key to Our Unique Solar System  
<http://www.abc.net.au/science/articles/2015/03/24/4201835.htm>

- Large Hadron Collider Restarts After Two-Year Rebuild  
<http://www.bbc.com/news/science-environment-32160755>

#### CLOSURE AND FUTURE MEETING TIMES:

Some months it doesn't rain!



With thanks to Sarah-Jane. <https://www.facebook.com/Coffsastro?fref=ts>

The next monthly meeting, will be **Monday 4<sup>th</sup> of May, 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