



# COFFS HARBOUR ASTRONOMICAL SOCIETY INCORPORATED

## MINUTES AND NOTICE OF MEETING

MINUTES OF JUNE'S MONTHLY MEETING HELD AT  
BOAMBEE EAST COMMUNITY CENTRE,  
MONDAY 1<sup>st</sup> of JUNE, 2015.

**PRESENT:** 12 members & 3 guests

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

**APOLOGIES:** Kevin, Tom & Camilla (Camilla has moved away and hopes to return to meetings when possible)

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

**BUSINESS ARISING FROM MINUTES:** Nil.

### **CORRESPONDENCE:**

**IN:** Nil

**OUT:** Nil

### **GENERAL BUSINESS:**

- Last meeting of the Financial Year... Annual subscriptions due from July's meeting (\$16.00 p.a. to be confirmed)
- Further discussion of general public Sky Night incorporating kids activities... 21<sup>st</sup> September, 2015 suggested as best option. *This night has been booked for us at the Boambee East Community Centre.*
- Terry Simpson attended for suggestions for a student observing night at Bowraville Central School

**THE TOPIC:** Nil

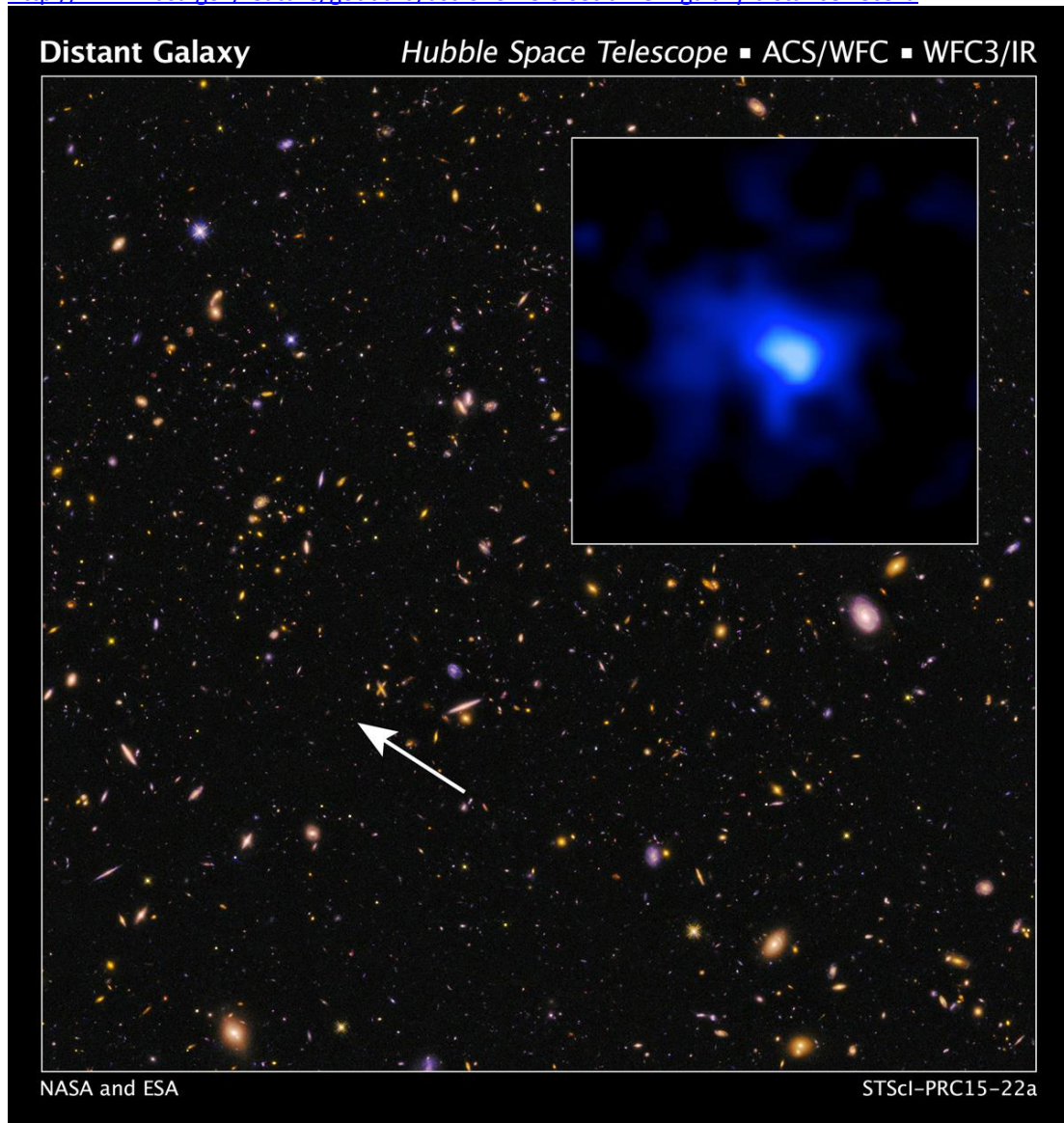
**TOPIC FOR NEXT MEETING:** Astronomy Night for Everyone at end of June???... Everyone is welcome to give a brief presentation on any topic(s) that they may have found of interest lately.

### **REPORTS FROM MEMBERS:**

- Jupiter and Venus in the evening sky viewed by most present
- Saturn at opposition

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

- **Mysterious Radio Bursts Traced to Early Opening of Microwaves**  
<http://www.9news.com.au/technology/2015/05/05/08/15/mysterious-radio-bursts-traced-to-early-opening-of-microwaves>
- **Astronomers Set a New Galaxy Distance Record**  
<http://www.nasa.gov/feature/goddard/astronomers-set-a-new-galaxy-distance-record>



<http://www.nasa.gov/sites/default/files/thumbnails/image/p1522aw.jpg>

This is a Hubble Space Telescope image of the farthest spectroscopically confirmed galaxy observed to date (inset). It was identified in this Hubble image of a field of galaxies in the CANDELS survey (Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey). NASA's Spitzer Space Telescope also observed the unique galaxy. The W. M. Keck Observatory was used to obtain a spectroscopic redshift ( $z=7.7$ ), extending the previous redshift record. Measurements of the stretching of light, or redshift, give the most reliable distances to other galaxies. This source is thus currently the most distant confirmed galaxy known, and it appears to also be one of the brightest and most massive sources at that time. The galaxy existed over 13 billion years ago. The near-infrared light image of the galaxy (inset) has been colored blue as suggestive of its young, and hence very blue, stars. The CANDELS field is a combination of visible-light and near-infrared exposures.

**Credits:** NASA, ESA, P. Oesch (Yale U.)

- **Hubble Finds Giant Halo Around the Andromeda Galaxy**  
<http://hubblesite.org/newscenter/archive/releases/2015/15/full/>
- **Science and Religion Clash Over Telescope Construction on Sacred Summit**  
[http://blogs.discovermagazine.com/crux/2015/05/09/hawaii-telescope/#.VZimE\\_mqqko](http://blogs.discovermagazine.com/crux/2015/05/09/hawaii-telescope/#.VZimE_mqqko)

- Europa's Red Bands May be Salt Seeping Through its Icy Crust  
<http://www.abc.net.au/science/articles/2015/05/13/4234960.htm>
- Mysterious Supernova Still Astounds Astronomers  
<http://www.abc.net.au/science/articles/2015/05/11/4232311.htm>
- The Very Large Telescope Discovers New Kind of Globular Star Cluster  
<http://www.eso.org/public/australia/news/eso1519/>
- Hubble Catches a Stellar Exodus in Action  
<http://www.nasa.gov/feature/goddard/hubble-catches-stellar-exodus-in-action>
- Astronomers Baffled by Discovery of Rare Quasar  
[http://www.keckobservatory.org/recent/entry/astronomers\\_baffled\\_by\\_discovery\\_of\\_rare\\_quasar\\_quartet](http://www.keckobservatory.org/recent/entry/astronomers_baffled_by_discovery_of_rare_quasar_quartet)
- Mars' Stunning Blue Sunset  
<http://www.smh.com.au/technology/sci-tech/mars-stunning-blue-sunset-20150511-ggzcg2.html>



[http://www.blastr.com/sites/blastr/files/styles/blog\\_post\\_media/public/1381995121519\\_mars\\_sunset.jpg?itok=OQJ32Yvi](http://www.blastr.com/sites/blastr/files/styles/blog_post_media/public/1381995121519_mars_sunset.jpg?itok=OQJ32Yvi)

- NASA's WISE Spacecraft discovers Most Luminous Galaxy in Universe  
<http://www.jpl.nasa.gov/news/news.php?feature=4593>
- Supernova, Two Ways  
<http://www.skyandtelescope.com/astronomy-news/type-ia-supernova-two-ways-0520201523/>
- LHC Smashes Energy Record with Test Collisions  
<http://www.bbc.com/news/science-environment-32809636>
- Advanced Ligo Gravitational Wave Hunt is Green Lit  
<http://www.bbc.com/news/science-environment-32812326>
- Hubble Survey Confirms Link Between Mergers and Supermassive Black Holes with Relativistic Jets  
<http://www.nasa.gov/image-feature/goddard/large-hubble-survey-confirms-link-between-mergers-and-supermassive-black-holes-with>
- Sharp-eyed ALMA Spots a Flare on Famous Red Giant Star  
<http://www.chalmers.se/en/centres/oso/news/Pages/Sharp-eyed-ALMA-spots-a-flare-on-famous-red-giant-star.aspx>

## CLOSURE AND FUTURE MEETING TIMES:

The next monthly meeting, will be **Monday 6<sup>th</sup> of July, 2015**, at **Boambee East Community Centre, Bruce King Drive** at **7:00pm**, all members and interested persons are encouraged to attend.

## CHAS TELESCOPE:

Roberto Cornale  
Secretary