



COFFS HARBOUR ASTRONOMICAL SOCIETY INCORPORATED

MINUTES AND NOTICE OF MEETING

MINUTES OF NOVEMBER'S MONTHLY MEETING HELD AT
BOAMBEE EAST COMMUNITY CENTRE,
MONDAY 2nd of NOVEMBER, 2015.

PRESENT: 6 members & 2 guests

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

APOLOGIES: Peter, Michael W, Kevin, Jeff S, Brian & Bernadette

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

BUSINESS ARISING FROM MINUTES: Nil.

CORRESPONDENCE:

IN: Nil

OUT: Nil

GENERAL BUSINESS:

- Roberto presented some current and interesting astronomical videos
- "Astronomy 2016" is now available through The Book Warehouse, locally or direct from Quasar Publishing <http://www.quasarastronomy.com.au/order.html>

THE TOPIC: Nil

TOPIC FOR NEXT MEETING:

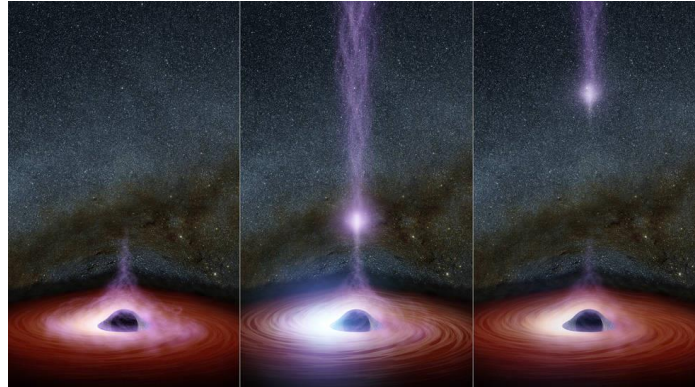
Everyone is welcome to give a brief presentation on any topic(s) that they may have found of interest lately.

REPORTS FROM MEMBERS:

- Win got up to attempt to see the "Halloween" asteroid; And also viewed the conjunction of Venus, Mars and Jupiter in the early morning sky.

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

- **Black Hole has Major Flare** <https://www.nasa.gov/feature/jpl/nustar/black-hole-has-major-flare>



This diagram shows how a shifting feature, called a corona, can create a flare of X-rays around a black hole. The corona (feature represented in purplish colors) gathers inward (left), becoming brighter, before shooting away from the black hole (middle and right). Astronomers don't know why the coronas shift, but they have learned that this process leads to a brightening of X-ray light that can be observed by telescopes. Credits: NASA/JPL-Caltech <https://www.nasa.gov/sites/default/files/thumbnails/image/pia20051.jpg>

- **The Inner Workings of Red Giant Stars** <http://www.skyandtelescope.com/astronomy-news/the-inner-workings-of-red-giant-stars-10272015/>
- **Ripples in Space-Time Created by Colliding Black Holes Go Undetected After 11-Year Study** <http://mashable.com/2015/09/27/colliding-black-holes-study-einstein/#v3Sm5gc7yOqJ>
- **Asteroid Impact May Have Boosted Volcanic Eruptions in Double-Whammy Dinosaur Extinction Disaster** <http://www.abc.net.au/news/2015-10-02/asteroid-impact-and-deccan-volcano-eruption-mass-extinction/6783018>
- **New Horizons Finds Blue Skies and Water Ice on Pluto** <https://www.nasa.gov/nh/nh-finds-blue-skies-and-water-ice-on-pluto>
- **IceCube Scientists Open a Window on to Subatomic Astronomy** <http://www.theguardian.com/science/2015/oct/09/neutrino-scientists-subatomic-astronomy-nobel-prize-physics>
- **Supernova “Stream” In Neutrino Lab’s Sights** <http://www.bbc.com/news/science-environment-32416477>
- **Close-In Asteroid Offers Halloween Treat** <http://www.skyandtelescope.com/astronomy-news/observing-news/close-in-asteroid-halloween-treat-102220155/>
- **Most Earth-Like Worlds Have Yet to be Born, According to Theoretical Study** <https://www.nasa.gov/feature/goddard/most-earth-like-worlds-have-yet-to-be-born-according-to-theoretical-study>
- **Final Kiss of Two Stars Heading for Catastrophe** <http://www.eso.org/public/australia/news/eso1540/>
- **The Curious Case of KIC 8462852** <http://www.skyandtelescope.com/astronomy-news/curious-case-of-kic-8462852-102020155/>
- **It’s Either Aliens or a Swarm of Comets: Scientists Baffled by WTF 001, Our Galaxy’s Strangest Star** <http://www.smh.com.au/technology/sci-tech/astronomy/its-either-aliens-or-a-swarm-of-comets-scientists-baffled-by-wtf-001-our-galaxys-strangest-star-20151014-gk9iwj.html>
- **Scientist Gives “Outlaw” Particles Less Room to Hide** <https://www.nasa.gov/feature/goddard/nasa-goddard-scientist-gives-outlaw-particles-less-room-to-hide>
- **Surprising Discovery of Oxygen in Comet 67P’s Atmosphere** <http://www.astronomy.com/news/2015/10/surprising-discovery-of-oxygen-in-comet-67ps-atmosphere>

CLOSURE AND FUTURE MEETING TIMES:

Meeting adjourned outside at 8:15pm for viewing. The next monthly meeting, will be **Monday 1st of FEBRUARY, 2016**, at **Boambee East Community Centre, Bruce King Drive** at **7:00pm**, all members and interested persons are encouraged to attend.

Roberto Cornale

Secretary