

Meeting Minutes 11/20/2020

- What Up Astronomy Club with Yancy
 - Evening Saturn and Jupiter are in the sky, and getting closer
 - Night Mars and the Moon are passing close together
 - Early morning Mercury and Venus, Spica is there too
- General Club Announcements
 - Tutoring for physics, astronomy, and math by experienced graduate students (over Zoom!)
 - M (2-4 pm) Yujing Qin
 - T (noon - 2 pm) Ryan Keenan
 - W (1-2 pm) Ryan
 - Th (2-3 pm) Yujing
 - Game Night! Tonight after the meeting!
- TIMESTEP
 - Next Meeting: December 2nd at 5 pm over Zoom
 - Topic: **Science Communication Workshop**
 - Led by Dr. Dione Rossiter and Dr. Gurtina Besla
 - Register at <https://lavinia.as.arizona.edu/~timestep/> for Zoom link
- Physics Club
 - Next Meeting: November 25th at 5 pm
 - They will be discussing upcoming officer elections (all positions are available...)
 - Talk to Grace if you have any questions!
 - Listserv uasps.weebly.com for listserv
- End of Semester Info
 - Do anything interesting this semester? Took a trip with your friends? Did some astrophotography you want to share with the club?
 - If you documented anything about your life this semester we'd love to see it!
 - Only one more meeting left after today!
 - November 27th - No Club Meeting
 - Officer Application Due (Google Form that Sai sent out)
 - Photos for Slideshow are Due (Google Drive folder that Sai sent out)
 - December 4th - Last Club Meeting
 - Officer elections, Slideshow, Yancy Astrokahoot, and Game Night
- Officer Elections
 - Elections will be held December 4th with applications being due November 27th
 - Check previous meeting minutes for positions, the two without incumbents are Secretary and Historian
 - Application Format
 - Name:
 - Year:
 - Picture:
 - What position are you applying for:
 - Why you want that position:
 - Submit Officer Application Google Form if interested (already sent out)

- Astronomy Question of the Week with Don
 - ISS going literally overhead tonight! It will be nice and bright!
 - Meteor breakup over the Tasman Sea
 - How/why does the meteor break up?
 - The friction of the air, ablation, will heat up the outside
 - Porosity determines explosiveness, air gets inside and causes it to explode
 - Permeability increases 'pancaking' - starts cascading process
 - Mystery objects
 - Comet? No, Mercury! The biggest comet.
 - Sodium vapor filter
 - Reveals the sodium trail left by Mercury
 - Two stars which have collided with each other?
 - Blue ring nebula puzzled scientists for 16 years, and now they understand why
 - Blue ultraviolet, pink hydrogen alpha
 - Two cones of material shot out due to the collision, one of the cones is pointed at Earth, giving it the ring shape
 - Very rare object, only a few thousand years old
 - Dust disk happens to be in the right angle to let you see in
 - Halpha from the shockwave moving out
- Astro News of the Week with Savannah
 - Arceibo is being decommissioned by the NSF.
 - It is too damaged to work on safely anymore. For the lives and safety of the people working on it, the telescope will be demolished.
 - This will have a huge impact on the scientific community and Puerto Rico, where it was built.
 - Arceibo was a cultural icon for Puerto Rico.
 - It was a frequently used radio telescope, one of the largest single dish telescopes in the world.
 - It worked on nanoGrav, discovered the first observed FRB, etc.
 - A lot of time that radio astronomers weren't able to get on other telescopes was instead used on Arceibo. Losing this telescope makes time on other telescopes more difficult to get ahold of.
 - It will be succeeded by FAST, a similar telescope built in China.
- Meet the Messiers with Sean NGC 6273
 - Apparent magnitude of 7.7
 - Another globular cluster
 - 28,700 light years away
 - Discovered the same year the Messier catalogue was published
 - One of the most oblate globular clusters
 - Light extinction from a cloud of dust/gas might be causing this shape, as infrared images do not show the same oblate structure
- Special COVID Kahoot

- Game Night!