

Meeting Minutes 1/22/2021

- General Club Announcements
 - Welcome!
 - Become an Active Member, fill out the form during the meeting!
 - ATOMM
 - 3:30-5 pm T/Th (Raphael Hviding)
 - More times announced soon
- Meet the officers!
 - David Cantillo: President
 - Sai Krishanth Pulikesi Mannan: Vice President
 - Harrison Bradley: Treasurer
 - Kayli Marie Glidic: Outreach Coordinator
 - Zach Werber: Secretary
 - Aidan Nakhleh: Historian
 - Hannah Martuscello: Tech Officer
 - Wyatt Ellis: Equipment Manager
- Meet the advisors - Don and Yancy
- TIMESTEP
 - Next Meeting: Wednesday, January 27th at 5 pm over Zoom
 - Topic: Undergraduate Research Applications
 - Led by Dr. David Smith
 - Register at <https://lavinia.as.arizona.edu/~timestep/> for Zoom link
 - This meeting is specifically for those who have a CV to go over. Please do not sign up if you have not talked to Dr. Smith beforehand.
- Astro Question of the week with Don!
 - Does Earth Orbit the Sun more slowly each year?
 - Think about the mass the sun loses due to nuclear fusion (95 Earth Masses)
 - Solar winds will also cause the sun to lose mass (30 Earth masses over its lifetime)
 - What is the most distant star visible to the human eye?
 - The lowest magnitude a typical eye can see is a magnitude 6 star
 - Remember how the magnitude scale works!
 - Consider how brightness changes with distance
 - Surprisingly it is rho Cassiopeia, a magnitude 4.5 star (8200 lightyears away)
 - Try to find it yourself!
- Astronomy News of the Week with Wyatt
 - Fermi bubbles
 - Shine brightly in gamma and x-ray
 - Link: <https://www.nature.com/articles/s41586-020-2979-0>