

Meeting Minutes 11/8/19

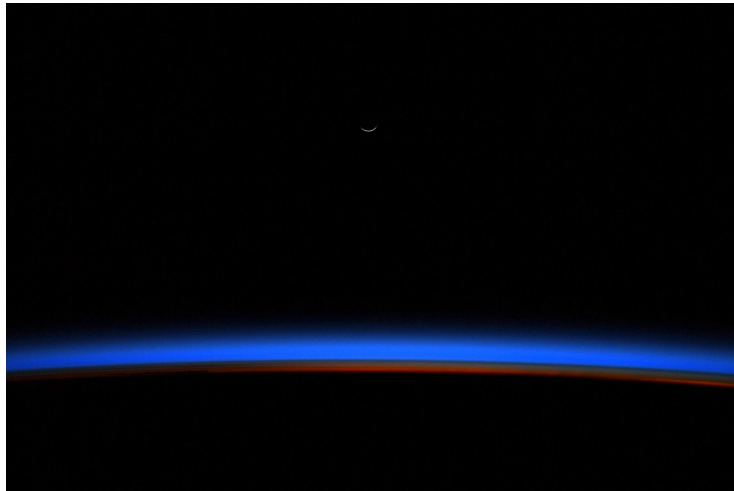
- **ATOMM (Astronomy Tutoring or Majors and Minors):** It's midterm season lads. We're gonna need all the backup we can get.

Stop by *EVERYDAY* b/w 2-4pm @ Parker Library, outside N305. Get to know people in your major and work together, while also having upperclassmen available to help!

- **TIMESTEP:** Next Meeting; Graduate School Application Workshop #2 -> on November 20th in PAS 218. Bring an updated draft of your personal/research statements for grad school to be reviewed by faculty. RSVP required - please email timestepUA@gmail.com

- **Astronomy Question of the Week:**

- Follow up from last week: (the star trails picture)
- Shitij found out that ISS rotates around it's long axis, completes one rotation each time it finishes an orbit around the Earth. Meaning that it keeps one side pointed to the Earth
- When Don measured the arc length, he realized that he seemed to be missing a factor of 2 somewhere, but he is still working on it!
- "Moonrise, at Sunrise"



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- What is the blue? The Earth's atmosphere, blue due to Rayleigh scattering
- What's surprising about this binary system? A B8 V main sequence star (~3.7 Msun) and a K2 IV giant (~0.8Msun). A. If the K2 IV star is dying, so should the B8 V star. B. The luminosity types of the two stars seem reversed. C. The K2 IV star seems too low a mass. D. All of the above
- More massive stars should die faster, yet the low mass star died first. Binary stars are born together at the same time. The solution is, the stars can exchange mass!
- This system is Algol, it is an eclipsing binary. You can watch an eclipse happen with your naked eye from Tucson! This week (the minimum

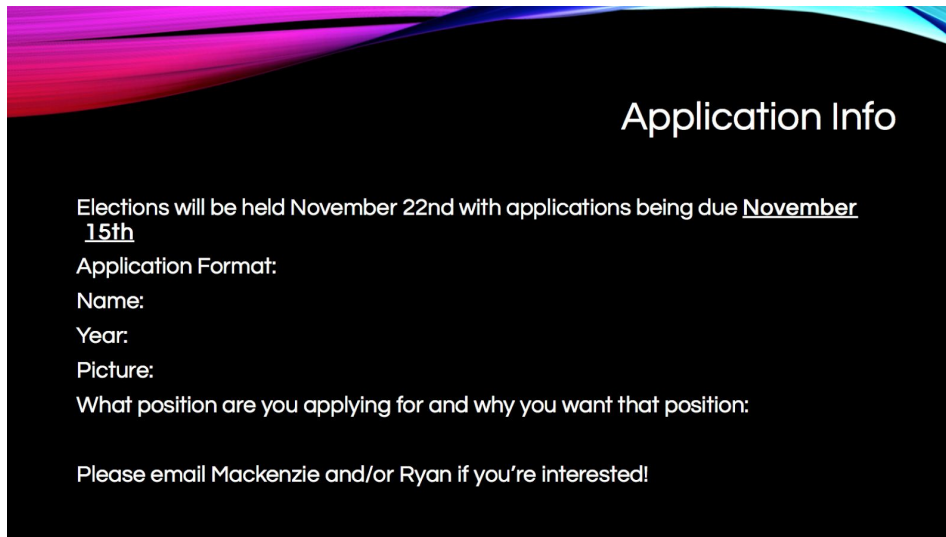
occurs): 11/09/19 1am, 11/11/2019 @ 9:46pm, 11/14/19 @ 6:35pm, 11/17/19 @ 3:24pm It happens every 2.9 days, and it is about 92 light-years away.

- **Astro News of the Week:** Presented by Shitij Seth! Check out the Mercury transit on Veteran's day! Here's the link:
<http://www.astronomy.com/magazine/2019/11/observe-the-transit-of-mercury>
 - **Pls sign up y'all it's super chill and fun, the sign up sheet is out! ALSO if you sign up and present, you'll get a free Astro Club shirt of your choosing**
- **Constellation Corner:** This week we had our constellation quiz! Where Sammie literally rickrolled everyone in the club!
- **Arizona Theater Company Presents, Silent Sky:** It is a production about Henrietta Leavitt, she helped classify cepheid variables as standard candles. It will be Friday October 25th-Saturday November 9th every night except for on Mondays.



- **Send your pictures from this semester! Link sent by Collin! Due by November 15th!**
- **Astronomy Club Officer Elections:** Elections will be held on November 22nd and applications will be due the week before (November 15th). The "application" being your name, your year, what position you're running for, and a short blurb

about yourself!

A slide titled "Application Info" with a decorative header in shades of purple, pink, and blue. The text on the slide provides details about the election process, including the date (November 22nd), the application deadline (November 15th), and the required application format (Name, Year, Picture, and a statement of interest). It also includes contact information for Mackenzie and Ryan.

Application Info

Elections will be held November 22nd with applications being due November 15th

Application Format:

Name:

Year:

Picture:

What position are you applying for and why you want that position:

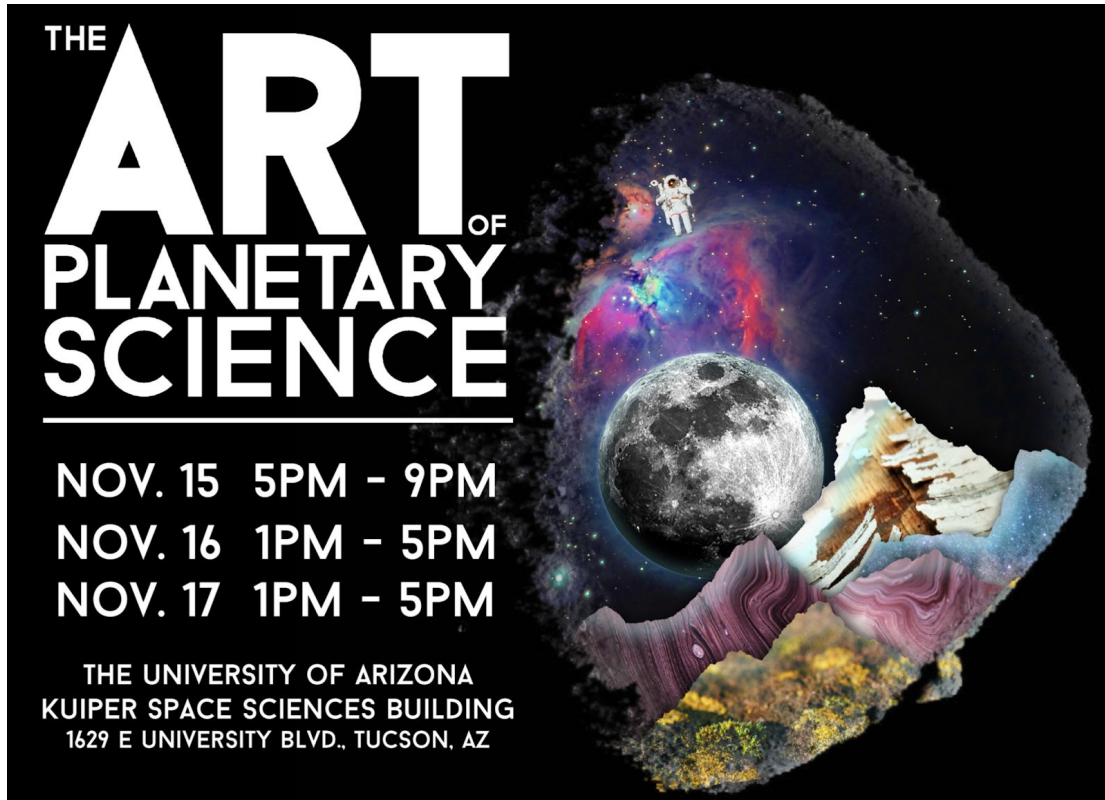
Please email Mackenzie and/or Ryan if you're interested!

Here's some info about each position:

- President:
 - In General: Knows What's Up at all times with astro club
 - Includes club events, star parties, funding, etc.
 - Liaison to university community Official representative of club
 - Runs club and officer meetings (should be comfortable talking in front of large groups of people)
 - Inspires enthusiasm for astro club!
- Vice President:
 - Help president with anything they may need
 - Organize and coordinate club events
 - Responsible for sending information about club events to members
- Treasurer:
 - Maintain accurate and current account of all organizational funds
 - Ensure club members pay semester dues
 - Authorize purchases for club activities/events
 - Reach out to ASUA for supplemental funding when needed
- Outreach Coordinator:
 - In General: Organize Star Parties
 - Organize star parties and come up with new activities,
 - Manage star party activity inventory
 - Liaison between Astro Club and the Public
- Secretary: (oh wow that's me)
 - Make Meeting Minutes!
 - Maintain the roster of current members
 - Responsible for organizing current and accurate club records
 - Coordinate information communication with VP

- Tech Officer:
 - Website management and upkeep
 - Social media communication
 - Advertising design and general graphic design
 - Business cards, table banner, etc.
 - Historian:
 - Capture beautiful astroclub moments in picture form
 - Creates emotional end of semester slideshows
 - End of the year scrapbook
 - Help with star parties
 - Equipment Manager:
 - Helps manage/keep track of our outreach equipment
 - Includes telescopes (and accessories) and supplies for our outreach activities
 - Would work with the outreach coordinator
- **Star Parties:** We will be having a star party from 6-8pm on November 15th for the Art of Planetary Science show in front of LPL. We also have some school star parties and will need 4-6 volunteers each: November 19th at Johnson Primary School from 5:30pm-7:30pm and December 5th at Roskruge Bilingual Magnet k-8 school from 5:30-7:30pm
 - **Game Night/Last Meeting:** We'll be having our last meeting on Dec. 6th. We'll have a game night after some quick announcements, we'll probably move into N305 for better table space. But bring some board games to play! We will also (probably) have snacks!
 - **Dead Day Breakfast:** This will be on December 12th at 10am. Astroclub will provide bagels and coffee. If you're able to bring food to share, please do! The sign up sheet will be sent out after Thanksgiving break.
 - **Integral Competition:** Hosted by the Math Cats. Pairs of people will attempt to solve progressively harder integrals. If you can, you advance to the next round. Interested?

- **The Art of Planetary Science:** Swing by, there will be some art from your fellow astro club members!



- **Communicating Physics Class:**

Communicating Physics Class!

- PHYS 496/596 - Learn how to effectively communicate physics in an outreach setting!
- Students will use experimental stations to teach physics and run hands-on demonstrations for visiting K-12 students. Demonstrations will be chosen from mechanics, thermodynamics, optics, and electricity and magnetism.
- weekly outreach at the Flandrau planetarium

- **Physics club:** Meets every other Wednesday at 5pm in PAS. Next meeting will be on November 13th.

- **Astronomy Majors Lounge:** We're back in the old lounge (N206) in the building, there's lots of snacks/soup and seating!
- **Astronomers:** Unfortunately, we are out of snacks :(
- **Please pay your dues!** They are \$10 a semester. They help provide funds for trips, snacks, cool activities, shirts, etc. Also if you want to attend one of our internal events such as the club picnic and the dishwalk, you need to have paid your dues!