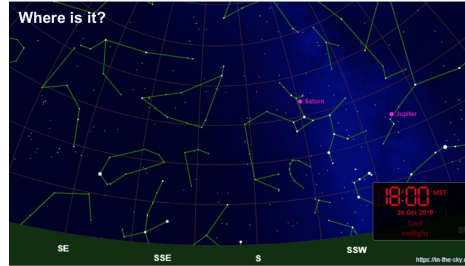
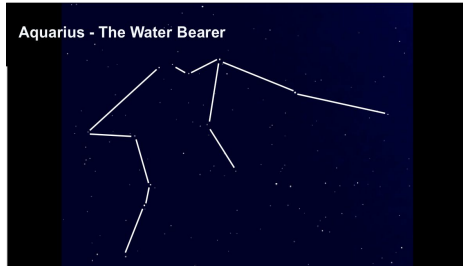


Meeting Minutes 10/25/19

- **Vote for constitution amendments!**
- **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 #1 -> on November 6th in PAS 218. Bring a 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:**
 - Presented by Don McCarthy and Sam Lyke!
 - How high do you have to be to see the curvature of Earth's horizon?
 - (pictures provided by Sam) they were taken from planes at sunrise and sunset
 - You should be able to discern it from a commercial aircraft, it would help if there are no clouds
 - The first picture of Earth's curvature was taken by the Explorer 2 balloon on Nov. 11, 1935 by Captain Albert Stevens from 72,395 feet altitude
 - 96% of Earth's atmosphere lies below this altitude
 - If you take a picture 100s of meters above the Earth, you can compress the image (horizontally) and stretch (vertically) to see it!
 - Why does the Moon orbit the Earth?
 - The Sun's gravity on the Moon is stronger on it than the Earth's gravity, so why does it?
 - Don is leaving us in suspense!
 - Fermi problem: how much UV light comes from the accumulated stars in the MW vs. the Sun? Can the stars help sunburn you at night?
 - Stay tuned!
- **Astro News of the Week:** No one signed up :(
 - **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:** Presented by Sammie Mackie! This week is Aquarius - The Water Bearer! Check out the mythology behind it at <https://www.constellation-guide.com/constellation-list/aquarius-constellation/>.

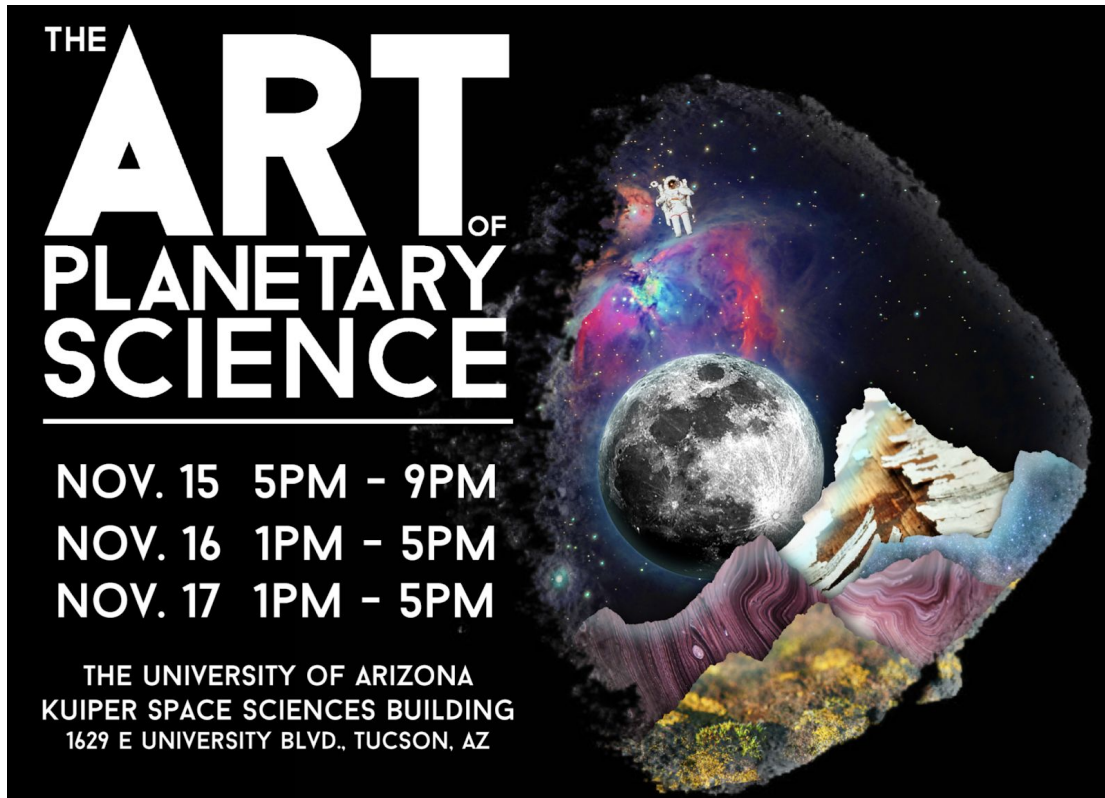


- **Arizona Theater Company Presents, Silent Sky:** It is a production about Henrietta Leavitt, she helped classify cepheid variables as standard candles. It will be Friday October 25th-Saturday November 9th every night except for on Mondays.



- **Pumpkin Carving:** Today after club meeting! We'll carve pumpkins on the grass outside of Steward Observatory.
- **Kitt Peak Star Party:** Will be on October 26th. Plan on meeting about 10 minutes before 4pm in the south steward parking lot (want to be up there by 5:30pm). Dress warm! Snacks will be provided but you'll need to bring other food for yourself.
- **Club Picture:** Next friday (November 1st) after the meeting! Make sure you wear your coolest space stuff!
- **Send your pictures from this semester! Link sent by Collin!**

- **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!



- **Physics club:** Meets every other Wednesday at 5pm in PAS. Next meeting will be on October 30th.
- **Astronomy Majors Lounge:** We're back in the old lounge (N206) in the building, there's lots of snacks/soup and seating!
- **Astronomers:** If you have a snack attack, look no farther than Astronomers! The unofficial Astro Club snack store, new location tbd. It's restocked every week, and open to everyone, including faculty. Honor system payment
- **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!