

## Meeting Minutes 9/21/18

- **ATOMM:** Astronomy Tutoring of Majors and Minors. A tutoring service where upperclassmen/grad students provide help for you astronomy/physics/math classes! This takes place everyday in the Parker Library (across from N305) from 2-4pm. Be sure to come if you need help with these subjects, want to study with friends, or meet people in your major!
- **TIMESTEP:** The next meeting will be held on September 26th in Steward N305 at 5pm. The topic discussed will be learning about the oSTEM (out in STEM) UA Chapter and resources at the LGBTQ+ center. There will be pizza!!
- **Don's Question of the Week:**
  - What's going on in this picture?



- Easier to see in the water covered by the shadow of the rocks, there's no glare from the Sun.
- Happy Equinox! September 22, 2018 at 9:54pm. Can watch ISS go across the sky about 3 hours earlier, will be about -3.5 mag! Every place on Earth has about 12 hours of day and 12 hours of night, and the Sun will rise due East and set due West.
- Autumnal Equinox 2013, a day's view from geosynchronous orbit, Russia's weather satellite ("Electro-L") (Geosynchronous meaning that the satellite's orbit is matched to the Earth's rotation so that it is monitoring the same spot!) ->  
<http://www.universetoday.com/104998/electro-ls-fully-lit-view-of-planet-earth-at-the-autmnal-equinox/#more-104998>
- Take pictures! Up/down the UA mall would be terrific: Shadows, etc.! Be careful while driving!

- In the news group (Astronomy News Team) meeting next Thursday in N210 at 3:30pm! Talk about water levels on Jupiter, email Don or meet with Madeline or Olivia!
- **Astronomy News of the Week:** Presented by Ryan Webster! Here are both the links ->
  - <https://www.wired.com/story/astromers-have-found-the-universes-missing-matter/> Missing Baryonic Matter found! Found by stacking images of galaxies together and subtracting them to reveal filamentary hydrogen hiding in intergalactic space!
  - <http://www.hayabusa2.jaxa.jp/en/galleries/onc/nav20180920/> Hayabusa2 is a Japanese probe and they put a lander and 3 rovers in it to land on an asteroid, similar to OSIRIS-REX! They updated their website with photos from real time.
    - Be sure to sign up for astro news of the week! It's super fun and we like to know space news!
- **Club Picnic!** Will take place on Saturday Sept. 29th at Windy Point on Mt. Lemmon. We will have our picnic and then do some stargazing! We'll be leaving from the south Steward parking lot at 4pm. Please bring some food to share (nothing that is messy or needs to be frozen) or a \$5 food donation. Please specify what food you will be bringing in the sign up sheet so we don't have a picnic of just entirely chips and cookies (though that wouldn't be the worst thing in the world)! Also if you can drive, please specify how many people you can have in your car!
- **Star Parties:** Internal Star Party at Kitt Peak on Saturday November 3rd, sunset will be ~ 5:30pm. We drive up to Kitt Peak, visit the 12m, can get tours if we show up before then! There will be one at Himmel Park Library on October 18th from 6-8pm. As of now, we will only be bringing our telescopes and we'll only need about 4 volunteers. The sign up sheet will be sent out closer to the date.
- **34th Annual New Mexico Symposium:** A conference held at NRAO in Socorro, New Mexico at New Mexico Tech will be on November 9th, 2018. We leave on Thursday afternoon, conference is all day Friday. Then Saturday we will do a tour of the VLA on the way back and visit Pietown! If you have a poster and are thinking of going to AAS, this is good practice for you to present! You must register by Thursday October 25, 2018, registration is free but it will cost

money for hotel/food etc. If you want to be on the emailing list go to the nmsymp e-mail list manager.

- **Conference for Undergraduate Women in Physics:** It will be at UC Santa Barbara from January 18th-20th, 2019. Applications open until October 12th. If you are interested in going, email Holly Brown! And they can fund you!
- **Active Galactic Videos:** New video from AGV! Here's the link:  
[https://youtu.be/DW6\\_mv8o7E](https://youtu.be/DW6_mv8o7E)
- **Telescope Observing at Steward:** We have an actual observatory believe it or not! And you can come observe with it! Steward has a 21" telescope that is open now! It will run Mondays-Thursdays from 7:30-10:30pm (open at 7 on Mondays!) Come look at stars, galaxies, nebula, and more!
- **233rd AAS Meeting (Seattle):** We plan on attending the meeting as a club and will get an approximate price of the trip soon. However, if you plan on going you will have to register yourself. Early registration for the meeting goes through September 27th, regular registration is from September 28th-November 8th, and late registration from November 9th to December 10th. If you plan on giving a talk or presenting a poster, the regular abstract submission deadline is through October 3rd @ 9pm ET. The late abstract submission deadline (for posters only) is through December 5th @ 9pm ET. For more information go to <https://aas.org/meetings/aas233>.
- **Astronomers:** Hey buddy,,,,,,wanna get some snacks? There's an unofficial Astro club snack store on 3rd floor outside Parker on bookshelf on the opposite side from the elevator and bathrooms. It's restocked every week. And it's open to everyone, including faculty. Honor system payment.
- **Society of Physics Students:** UA has a brand spankin new physics club! They meet every other Wednesday at 5pm in PAS 218. The next meeting will be Sep 19th. Go check them out if you like phun physics!
- **Pay your dues!** \$10 each semester, funds for trips, snacks, cool activities, shirts, etc. (a shirt might be included) Due it.

