

## Meeting Minutes 2/22/19

- **ATOMM:** Normally in Parker Library (across from N305) from 2-4pm. However, next Monday and Tuesday (Feb 25th and 26th) it will be in N305 due to the graduate student doctoral prelim. It's a great resource to use for the beginning of the semester!
- **TIMESTEP:** The next meeting will be at 5pm on Wednesday February 27th in N305 (Steward Observatory). There will be the Tech Company Internship Fair! Come hear from local Tucson tech companies to learn about summer internship opportunities. **Funding available for juniors!**



Tech Internships and Careers in Industry  
for Astronomy & Physics Majors

Feb 27<sup>th</sup> at 5 PM in N305 (Steward Observatory)  
with pizza!!!

Are you unsure about your next steps after graduation?  
Not sure about what jobs/careers are possible with a degree in  
Astronomy and/or Physics?

Join us to:

- Get advice from industry experts (IR Labs, Madden Media,+)
- Hear about the **TIMESTEP Internship Program** for juniors (**\$5000** scholarships for summer internships with Tucson-based employers – DEADLINE MARCH 29<sup>th</sup>!).
- Identify specific job opportunities and resume building workshops – plan your career !

Summer 2018 Interns:  
Deandre Capati, Miguel Osorio, Adriana Stohn & Alexis Tinoco

**TIMESTEP**

**TRBF**  
THOMAS R. BROWN FOUNDATIONS

- **Don's Question of the Week:** (Presented by Grace Hathaway!)
  - What geometry/conditions causes a "glory" as seen in the picture below?



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- A “Glory” is observed opposite the Sun. The concentric rings display red on the outside. It’s not a rainbow, it’s too small to be. It’s also not caused by the airplane or its shadow. It is made of sunlight scattered back toward you from tiny droplets of a cloud.
- How are the Sun and Full Moon able to be seen simultaneously?



- This only happens during a total lunar eclipse! Atmospheric refraction affects the perceived locations of all stars in the sky.
- **Astronomy News of the Week:** Presented by Steven Zhou-Wright! Here’s the link -> <https://www.sciencemag.org/news/2019/02/astronomers-discover-solar-system-s-most-distant-object-nicknamed-farfarout>
  - Astronomers discover solar system’s most distant object, nicknamed “FarFarOut,” it’s about 140 times farther from the Sun than the Earth!
- Don’t forget to sign up for Astro News of the week this semester!
- **Constellation Star of the Week:** Presented by Sammie Mackie (and Yancy)! This week they presented Canopus! It is the second brightest star in our sky, also known as Alpha Carinae, it rises 7 degrees above the horizon! It’s named after the navigator for Menelaus.
- **New Star Party Demonstration:** Looking for a team that can help bring a gravity well demonstration to life, we will be building it next week after the meeting (there will be food)! It will look something like this:



Talk to David if you’re interested in helping!

- **Active Galactic Videos:** New video in the Women of Discovery series! Searching the Sky with Dr. Jessie Christiansen who is a NExSci Astronomer. Go check it out!
- **Star Parties:** We have ones on:
  - March 1st at Rio Rico Elementary (however we have enough volunteers for this one)
  - March 9th at the Cooper Center
    - 2 shifts, will need 3-5 people for each shift
  - March 12th at Sewell Elementary
    - Need 3-4 more people + drivers
  - April 25th at Donaldson Elementary
    - Need 4-5 more people
  - Also, February is Love of Reading Month at Lynn-Urquides Elementary! Read a book to a class to get them pumped about science and reading!
- **Star Party Policies:** Here we have some ground rules for star party etiquette:
  - No swearing! Keep it PG!
  - Telescopes are for kids/parents/teachers to experience:
    - Once you're all set up, make sure you look ready/approachable!
    - Don't use the telescopes for astrophotography during star parties
- Sign Up sheets will be sent out for each party with more details on time/activities.
- **Volunteers for NOAO's walk-in camera:** This will be during the Tucson Festival of Books. Help out with hosting the camera obscura open house! It will be from 9:30am to 4:30pm on March 2nd or March 3rd. If you're interested contact Connie @ [cwalker@noao.edu](mailto:cwalker@noao.edu). This **will** count as doing a star party for the club trip!
- **Astronomers:** We protect, we attack, but most importantly, we snack. The Astro Club snack store is restocked every week. And it's open to everyone, including faculty. Honor system payment.
- **Astronomy Majors Lounge:** If you're an astronomy major, you can use this lounge for all your lounging and soup needs!
- **Pay your dues!** \$10 each semester, funds for trips, snacks, cool activities, shirts, etc. Due it.

