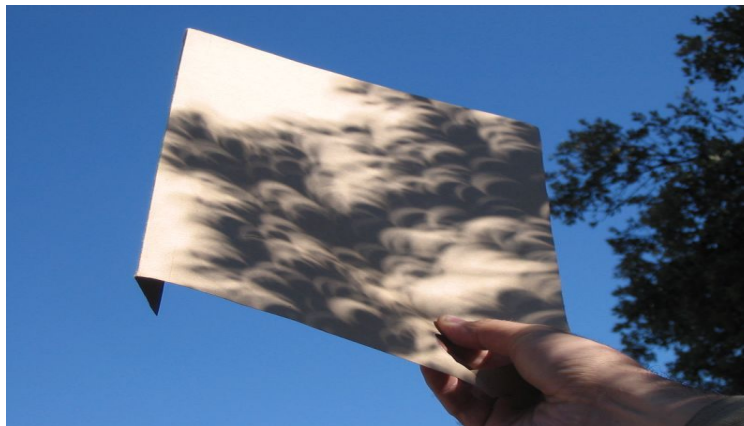


## Meeting Minutes 10/5/18

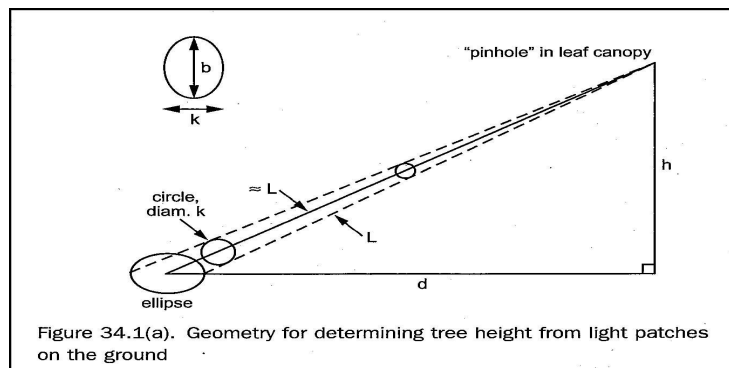
- **ATOMM:** Astronomy Tutoring of Majors and Minors. A tutoring service where upperclassmen/grad students provide help for you astronomy/physics/math classes! This takes place everyday in the Parker Library (across from N305) from 2-4pm. Be sure to come if you need help with these subjects, want to study with friends, or meet people in your major!
- **TIMESTEP:** The next meeting will be held on October 10th in PAS 218 at 5pm. The topic discussed will be what it's like to be a grad student. Come here from a panel of grad students about the realities of graduate school! There will be pizza!!

- **Don's Question of the Week:**

- Pinhole images under trees, how does it work?



- How would you calculate the height of the tree from the diameter of the image(s)?
- It's just geometry!



- You could measure the Sun's diameter using this!
- Don's challenge to make an APOD! -> Record pinhole images of the Moon from under trees on campus. What are the challenges? Would you

want a tall or a short tree? Would a certain phase be best? Could our images show details, such as the lunar maria? If you're interested, let Don know!

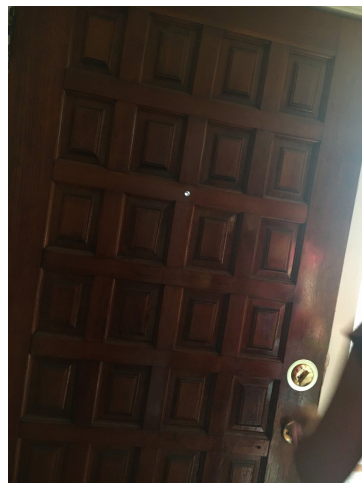
- We also showed some very cool pictures of various phenomena from some club members!



- Here's a photo of the Harvest Moon from Madelyn!



- Here's a strange photo of a hole in a cloud taken by Hannah!

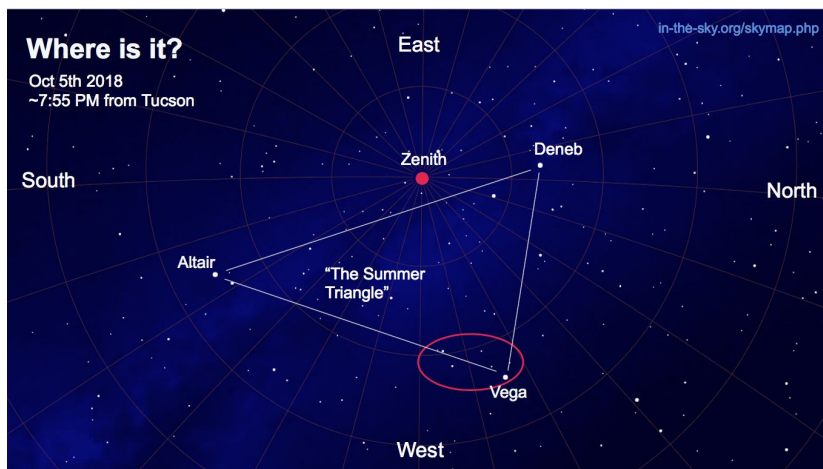
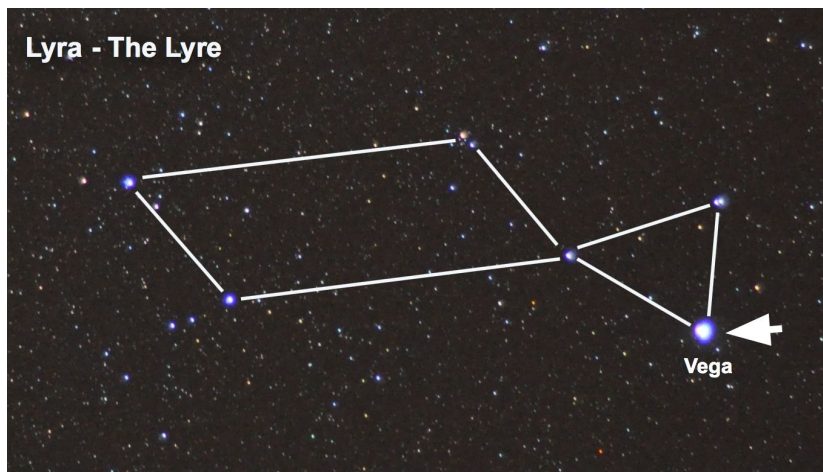


- And here's a circular rainbow coming from the peephole in our door shining on a screw!

- **Astronomy News of the Week:** Presented by Emily Walla! Here's the link: <https://www.space.com/41995-dwarf-planet-the-goblin-discovery-planet-nine.html>

Dwarf planet called the Goblin! (appropriate for Halloween) They think that it has such an elliptical orbit because of Planet 9!  
Be sure to sign up for astro news of the week! It's super fun and we like to know space news!

- **Constellation of the Week:** Presented by Sammie Mackie! This week is Lyra the Lyre! Here's the mythology behind the constellation -> <http://www.comfychair.org/~cmbell/myth/lyra.html> Check out inthesky.org if you want to use a planetarium on your computer!



- **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 only need about 1 more volunteer.

- **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!
- **Club Group Picture:** It will be on October 12 in the courtyard after the meeting, make sure to wear your coolest space gear!
- **Pumpkin Carving:** Will be on October 26th after the club meeting! We'll carve pumpkins on the grass outside of Steward Observatory! Sign up sheet is out now and will be closing a few days before the event!
- **Peer Mentors!** Applications for Juniors and Seniors to be mentors are out so if you're interested please get them in! They will be getting this program set up by October. If you are an interested freshman or sophomore, let Yancy know!
- **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 October 17th. 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.

