

## 1/24/2020 Meeting Minutes

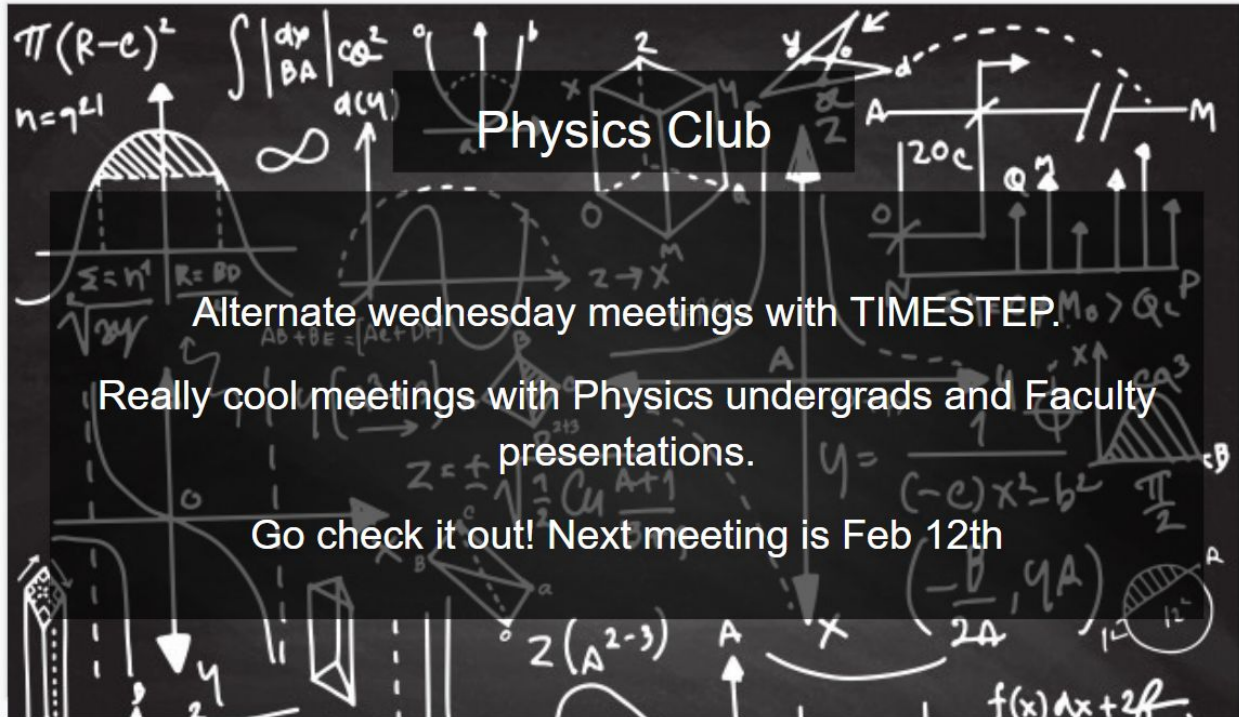
- Meeting the new club officers!
- David Smith - Astronomy and physics majors advisor, new office! PAS 264
  - If you are graduating this semester, be sure to apply to graduate before 2/1/2020
- Astronomy Question of the Week with Don McCarthy
  - Press release about Betelgeuse, has a lot of errors.
    - Betelgeuse is now almost as faint as Bellatrix (1.64 mag), it is fainter now than it has ever been in living memory, and still dropping!
    - Known as a variable star, goes through cycles of bright and faint. It might be going supernova, but it is also likely that its variability cycles have lined up to make it very faint.
  - Astronomer's Telegram - fresh news from astronomers
  - TESS shows North Star undergoes eclipses, except the old north star 2000 years ago: Alpha Draconis.
  - A day for sketchy journalism, make sure to think twice about news articles.
  - Rainbow picture: Where and when? Noon on Christmas day!
  - Send ideas and pictures to Don through email, get in on
- New Segment: Meet the Messiers with Sean!
  - Messier 1, the Crab Nebula
  - "The Guest Star," 1054 it the star went supernova, and left behind a pulsar.
  - Mistaken for a comet, and kick started the messier catalogue.
- Astro News of the Week with special guest Yancy
  - Betelgeuse is the faintest it has ever been.
  - It is a variable, we've known for a long time, but has it ever been this faint?
  - Chromosphere extends to Jupiter's orbit.
  - No longer burning hydrogen, roiling and boiling surface.
  - Mass loss during the red giant phase, big blobs of gas being shed from the star.
  - A cool blob from Betelgeuse might be blocking light from the star.
  - Massive enough to be a Type II core-collapse supernova
  - Semi-regular variable star, 420 days, 5-6 years, 100-180 days
  - Dimmest since people have started making photometric observations.
  - Luminosity changed by 25%, temperature dropped by 100K
  - Star should get brighter over the coming month.
- Club News - Signing up for Astro News of the Week now counts as a star party for the club trip!
  - If you didn't know, you need to participate in one star party or astro news of the week to have a spot in the spring club trip.
- Science Fair Judges
  - Banks Elementary School
  - Looking for professors and undergrad/graduate students
  - Monday, February 17 starting at 4pm

- Email [dnorman@noao.edu](mailto:dnorman@noao.edu) if interested
- 35th Annual New Mexico Symposium
  - Friday, February 21 in Socorro, NM
  - Great opportunity to present undergraduate research!
  - Run by NOAO but open to any type of science
  - Abstract Submission Deadline: February 7th
- Art of Planetary Science 2020
  - September 25-27th at Kuiper Space Sciences
  - Art submissions are opening up this summer!
  - Now accepting sci-fi art and moon art
  - Looking for more undergraduate involvement
- TIMESTEP
  - Meetings on alternating Wednesdays, alternating locations between PAS 218 and Room N305 in Steward



Timestep - Run by Dr. Gurtina Besla and Dr. Eduardo Rozo.  
 Next meeting: Personal Statement/CV Workshop #2, January 29  
 When/Where: Wednesday, January 29 at 5pm in PAS 218  
 Must RSVP with [erozo@email.arizona.edu](mailto:erozo@email.arizona.edu) for this workshop

- Physics Club
  - February 12th



- ATOMM
  - Free tutoring for physics and astronomy majors.
  - Every day, Parker Library, 2-4pm
- Club Dues
  - Make sure to pay \$10!
- See you next week!
  - Check out our social media, we have a Tic Tok now!

