

2/7/2020 Meeting Minutes

- TIMESTEP
 - Next Meeting: Wednesday, February 19 @ 5pm
 - Where: Steward N305
 - Topic: Industry leaders panel discussing application and interview expectations for jobs in Space and Technology sectors
- Star Parties
 - Upcoming:
 - 2/11 Lineweaver Elementary
 - 2/12 DeGrazia Elementary
 - 2/27 Carrillo Elementary
 - 3/25 Morgan Maxwell K-8
 - Remember that volunteering for a star party is required for attending the club trip!
 - To do a star party, you need telescope training (done today 2/7/2020)
- Astronomy Question of the Week with Don
 - What is the picture? (asteroids, proper motion of stars, linoleum, ceiling tiles, bowling alley carpet, cosmic rays)
 - Comes from Mars
 - A picture on the surface of Mars at night time, only cosmic rays visible
 - Space is filled with these rays, which are the energetic nucleus of atoms
 - Streaks are from cosmic rays hitting the detector from all directions
 - Another picture from Mars
 - Mars Exploration Rover Spirit time exposure of the southern celestial pole
 - North celestial pole pointed towards Deneb on Mars
 - Mars processes ever 175,000 years
 - Leaves + rain = stick to walls
 - Interesting things to see in the sky - ISS
 - Algol's eclipse 2/08/2020 at 7:10pm
 - Update on Betelgeuse
 - Still getting fainter!
 - MMT all-sky camera frame
- Meet the Messiers with Sean
 - Messier #3 or NGC 5272
 - Apparent magnitude of 6.2, can't see with bare eye
 - 33,900 light years from earth
 - First Messier object to be discovered by Charles Messier himself
 - Originally mistook the object for a nebula without stars
 - The ~finest~ northern globular cluster
- Astro News of the Week with Bianca
 - The Decadal survey!
 - <https://science.nasa.gov/astrophysics/2020-decadal-survey-planning>

- <https://aas.org/advocacy/decadal-surveys>
 - <https://sites.nationalacademies.org/DEPS/astro2020/>
 - Every 10 years, astronomers get together to talk about what we know and where we want to be within the next 10 years
 - 10 big missions planned
 - 5 faculty members part of the panels for the decadal survey
 - Gurtina Besla - [Panel on State of the Profession and Societal Impacts](#)
 - Kaitlin Kratter - [Panel on the ISM and Stellar Formation](#)
 - Rob Kennicutt - [Decadal Committee Chair](#)
 - Dan Marrone - [Panel on Radio, Millimeter, and Submillimeter Observations](#)
 - Marcia Rieke - [Panel on Electromagnetic Observations from Space](#)
- Other Astro Events
 - Science Fair Judges
 - Banks Elementary School
 - Looking for professors and undergrad/graduate students
 - Monday, February 17 starting at 4pm
 - Email dnorman@noao.edu if interested
 - Talk to us after the meeting!
 - Art of Planetary Science
 - 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
 - Physics Club
 - Alternate Wednesday meetings with TIMESTEP.
 - Really cool meetings with Physics undergrads and Faculty presentations.
 - Go check it out! Next meeting is Feb 12th
 - ATOMM - **More accurate times!**
 - Tuesday - 2-4pm
 - Wednesday - 3-5pm
 - Thursday - 1:30-3:30pm
 - Astronomers - We are stocked!!! Check out the 3rd floor for snacks!
 - Astrophotography Sessions
 - New activity in the works!
 - Monthly drives to dark areas to practice and improve astrophotography skills
 - Weekly information sessions after astroclub meetings
 - Want to help out people who are interested, but don't have the equipment
- Dues
 - \$10 per Semester
 - Helps fund club trips, snacks, activities, and t-shirts!
 - Required for spring trip and other field trips/activities (and free pizza)
 - Accepting dues after the meeting (cash or credit)

- Movie Night - Wall-E Won!
- Telescope Training!



It's Snom!