## 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
  - o 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 <u>Decadal Committee Chair</u>
  - Dan Marrone Panel on Radio, Millimeter, and Submillimeter Observations
  - Marcia Rieke Panel on Electromagnetic Observations from Space

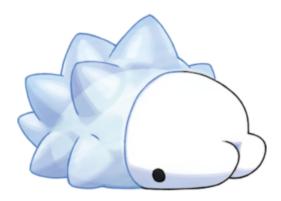
## Other Astro Events

- Science Fair Judges
  - Banks Elementary School
  - Looking for professors and undergrad/graduate students
  - Monday, February 17 starting at 4pm
  - Email <u>dnorman@noao.edu</u> 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
- o 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
- Astronoms 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!