2/14/2020 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
 - Internship opportunities for students, go to Timestep for more information!
- Star Parties
 - Recap:
 - Friday, 2/7: Telescope Training/Movie Night
 - Tuesday, 2/11: Lineweaver Elementary School Star Party
 - Thank you Binh, Bianca, Harrison, and Sai!
 - Wednesday, 2/12: DeGrazia Elementary School Star Party
 - Thank you Sean, Wyatt, Binh, Joaquin, and Peter!
 - Future Parties:
 - Interested in teaching kindergarteners for a day about our Solar System? Email <u>kayliglidic@email.arizona.edu</u> for details!
 - Thursday, 2/27: Carrillo Elementary
 - Wednesday, 3/25: Morgan Maxwell K-8
 - Sign-up sheets are out!
- Astronomy Question of the week with Don
 - What is the graphic of the United States showing?
 - Places in the United States where no one lives, 47% of the area of the US
 - Over 4 million US Census blocks with no people
 - The Orion Nebula (M42), photo by Sean Cunningham
 - Different colors at different times: red, blue, green
 - Atmospheric distortion? Automatic phone settings? Taken at different times?
 - You can download apps that let you choose different settings for your phone's camera
 - Betelgeuse continues to dim
 - Could have changed its size to 92% of its original size
 - Giant starspot
 - Shrouded by outburst of stardust
 - Star variability overlap, might start to brighten February 21st
 - Dust cloud?
 - Mercury is up!
 - Solar Minimum
 - 11 year solar cycle
 - We are at the lowest solar minimum in 200 years
 - 271 days without sunspots

- Cosmic rays are being detected at a higher frequency due to the solar wind being diminished
- May 1st graduation ceremony for seniors!
- Meet the Messiers with Sean
 - M4 or NGC 6121
 - Apparent magnitude of 5.9
 - o 7, 200 light years for earth
 - NGC New Galactic Catalogue
 - The size of the moon in our sky
 - Discovered in 1745 by Philippe Loys de Cheseaux
 - Includes some of the oldest stars in the Milky Way
- Astro News of the week with Katie
 - A mysterious deep space radio burst is sending signals to Earth every 16 days
 - 500 million light years away
 - A repeating fast radio burst, first detected periodicity in a FBR
 - Various theories over what it might be: a black hole, neutron star, and/or massive star interacting weird is the current theory
- Other Announcements
 - Physics Club
 - Alternate Wednesday meetings with TIMESTEP.
 - Fun meetings with Physics undergrads and Faculty presentations!
 - Go check it out! Next meeting is Feb 26th
 - ATOMM
 - Tutoring for physics, astronomy, and math by experienced graduate students
 - ATOMM Schedule:
 - Tuesday: 2 4pm
 - Wednesday: 3 5pm
 - Thursday: 1:30 3:30pm
 - Astronoms
 - Snacks available for \$1 or less
 - Proceeds go to your local Astroclub!
 - Located in the shelves in the kitchen area by Parker Library on the 3rd floor
 - In Stock: candy bars, chips, snack packs, granola bars.
 - A modest proposal: no theft please
 - CLUB PHOTO
 - Next Friday after our meeting
 - Wear your favorite space gear or club shirt!
 - Astrophotography
 - First Information meeting 2/14
 - Stay after the club to talk about astrophotography!

- We couldn't get a speaker today, but in about 2 weeks from now we should have a fantastic speaker!
 - Adam Block was a student here, member of Astronomy Club, and went to Don's Astronomy Camp
- Spring Trip
 - Location: Los Angeles/Pasadena
 - o Dates: Friday, April 10th (5:30am) to Sunday, April 12th (early evening)
 - Itinerary:
 - Private NASA JPL Tour
 - Mt. Wilson Observatory
 - Joshua Tree National Park
 - And more...
 - Requirements
 - Attend at least one star party OR present Astro News of the Week
 - Pay club dues (\$10)
 - Pay trip costs (will announce later)
 - Trip costs cover two nights lodging and paid tours
 - Sign-up sheet will be sent out later
- Kahoot
- Dues
 - Pay your dues!!!