

19:04 - meeting started (Randy Hemann)

Meeting Attendees

30 present:

Randy Hemann, Mike Carlin, Josef Chlachula, Dean M Johnson, Steve Remick, Dave Weinrich, Ron Purdue, Kirk Severson, Michael Currie, Chris Gawarecki, Julie Gawarecki, Joe Gawarecki, Luka Bajzer, John Attewell, Gus Attewell, John Martin, Gordon Robertson, Rick Flynn, Bill Davidson, Alan Cameron, Noel Taylor, Jack Wiltsie, Bob Fealey, Kevin Glaser, Russ Bergner, Leslie Redinger, James Benthall, Mike Quirk, Jonathan Thoreson, and Brandon Wyman.

Treasurer's Report

Income: 1 new member, \$20.00. Donations: \$20.07.

Expenses: Astronomical League: \$205.00.

Balance: \$4643.34

Observing Notes

- Bob Fealey.
- Jon Attewell.
- Randy Hemann.
- Luka Bajzer.
- Dean Johnson.

News

- April and May meeting minutes posted.
- Julie gave an update on the Library Telescope. The date for the launch is in the forum. Julie still needs to touch base with Louise, a week or so after the eclipse.
- Next month, the college students will be back, try to secure the room.
- Jerome and Randy gave an eclipse presentation a couple of weeks ago at the Peace Plaza. Jerome's PowerPoint presentation did not work out outside. The estimate of attendance was 125, but John Attewell thought it was more like 180. A big map was shared, a hint to see if any relatives were in the path. Next solar eclipses left:
 - 2033 - Alaska
 - 2044 - North Dakota (over 4 minutes).
 - 2045 - 3 to 4 minutes, next big one.
 - 2052 - Southeastern U.S.
- The upcoming solar eclipse list did not include annular eclipses. The northern hemisphere gets more, closer to the sun in the summer. Other props included DO NOT DOs
 - Do not need aluminum foil for a pinhole projector
 - Binoculars - do NOT
 - Beer bottle = no.
 - Stained glass = no.
 - CD = No work.

- Really good sunglasses = NO.
- 13 sunglasses = These do work! Astronomy Magazine article.
- Filter Glasses - Macy's...50 cents.
- During the mention of filters, sunglasses, etc., Bill Davidson had mentioned something about totality solar glasses that sold a lot, but quite questionable, as you could see and LED light through them! Mike pointed out that the cheap ones should be thrown out after 3 years. Bob Fealey and Mike reiterated looking for an ISO label.
- Jerome wanted to be sure to give "creds" to the Mayo 3-D Anatomical Lab for making the globe prop that he and Randy had used for their presentation. This was used to show the improbability of a solar eclipse. In 583 million years, there will only be annular eclipses. Mike helped with the demonstration for the club meeting. During the public demonstration, a kid (and parent) had to take the earth and moon way over to the grass by the fountain, across the street, for a 1 meter diameter sun. If you need "an Earth" (mode) let Randy or Jerome know, they want to get some mileage out of that prop.
- Some discussion on KAAL's request for an interview. Julie asked Randy about this. Paul (Mayo High School planetarium) did the interview.
- Okie-Tex Star Party. James Benthall said he had plans on going, needed some Spring Grove pop.
- Enchanted Skies Star Party. Jerome and Randy are going. New Mexico. Already checking on portable oxygen on Amazon. Need to sign up quickly, open last week, likely closed by end of this week.
- Questions arose regarding any plans on a local location to show the public the solar eclipse. Gage East was one idea. If anyone is thinking about helping with a public outreach, let Randy know, he can give a supply of solar filter glasses.
- StarBQ. Dean said that Steve talked to the Scolby's. Steve said anytime in September. This year will be the 10th Annual StarBQ. Come down to Spring Grove, bring own beverage and steak (or whatever you want to grill). Dean will supply the baked potatoes and dessert fruit. It doesn't cost anyone a dime, RAC donates some grocery money, and the Scolby's have electricity. Randy said it is probably the nicest place within driving distance. Randy thought we should shoot for September 15-16.
- Perseids this weekend. A lot of moonlight.

RAC Meetings/Calendar

- August 12th --- Perseid Meteor Shower
- August 18th/19th --- Dark Sky Weekend
- August 21st --- Solar Eclipse
- August 25th/26th --- Dark Sky Weekend
- September 12th --- RAC meeting - John Attewell - "Kepler's Dilemma - Why Planetary Orbits are So Hard to Calculate"
- September 15th/16th --- Dark Sky Weekend
- September 22nd/23rd --- Dark Sky Weekend
- September 29th --- Astronomy Day

Other News/Notes/Announcements

- Kirk Severson shared some baby pics at the beginning of the meeting.
- Alan Cameron mentioned what he thought was an interesting book at Barnes & Noble, Astrophysics for People in a Hurry, by Neil de'Grasse Tyson. About 200 pages.

- Dean asked when Cassini was crashing into Saturn. Josef said September 15th.
- Randy pointed out Totality iPhone App. Dorchester, NE ... 2m 23s. Beatrice 2m 34s. Dewitt closer to totality, population 10,000-12,000, expecting 100,000.
- Bob Fealey plans on being in Chapman, IA, 2m 25s.
- Steve Remick plans on being in Auburn.
- Jeff Newland mentioned stats on eastern Nebraska.
- Mike Carlin mentioned some practice tips for photographing.
- Randy made a note that all those going to the planned Nebraska site(s) should get each others cell phone numbers.

Featured Presentation

"Moon Crater Schöberge" -- Josef Chlachula

- Idea from Peace Plaza observing Saturday, September 10, 2016 with Mike Carlin and the public.
- The 35 lunar craters named to honor Jesuit
- Josef born in Hradistě, founded in 1257.
- Wikipedia page - 76.7°S/24.9°E, 85 k.m. diameter, 3.4 k.m. depth.
- planetarynames.wrsgs.gov
- Georg - Austrian astronomer, mathematician (1597-1645).
- fullmoonatlas.com
- damianpeach.com/lunar.htm
- down2earth.eu - simulate projectile impacts
- Asteroidday.org.
- impact.csc.it.ac.uk

20:48 – meeting adjourned.

Submitted by Brandon Wyman - Rochester Astronomy Club secretary