



What'sup?

The Royal Astronomical Society of Canada
Belleville Centre Newsletter

Lunar Eclipse 2019

In this Issue

- Lunar Eclipse
- Outa this world humour
- Astronomy Facts
- Club minutes



Nearing total eclipse, photo taken by club member Dave Billo on the night of January 20th, 2019. Dave was using his Efston Science 114 mm x 500 mm reflector and Celestron NexImage 5 camera.

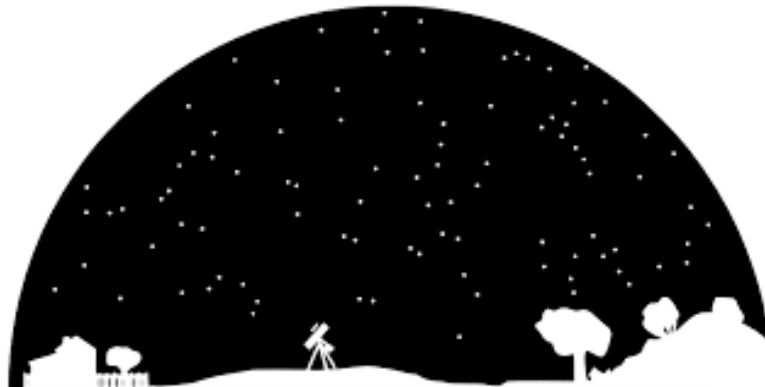
Next Meeting

March 1st, 2019

Pioneer Building, Room
P13

Observing Night

TBD



What'sup?



Photos courtesy Dave Billo

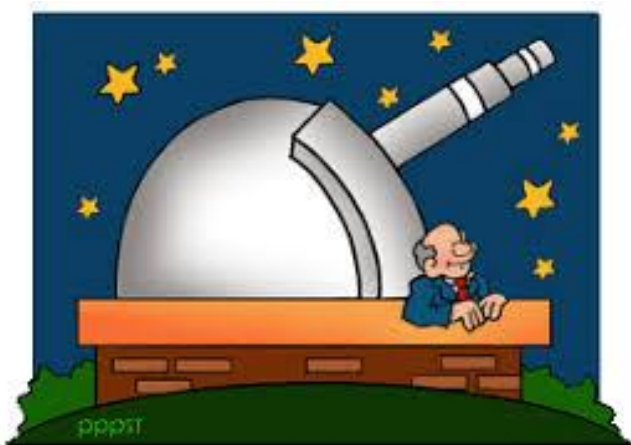
Outa This World Humour

Sherlock Holmes and Dr. Watson go on a camping trip, set up their tent, and fall asleep. Some hours later, Holmes wakes his faithful friend.

"Watson, look up at the sky and tell me what you see."

Watson replies, "I see millions of stars." "What does that tell you?" Watson ponders a minute. "Astronomically speaking, it tells me that there are millions of galaxies and potentially billions of planets. Astrologically, it tells me that Saturn is in Leo. Time wise, it appears to be approximately a quarter past three. Meteorologically, it seems we will have a beautiful day tomorrow. What does it tell you?"

Holmes is silent for a moment, then speaks. "Watson, you idiot, someone has stolen our tent."



What'sup?

Lunar Eclipse Continued



Lunar Eclipse Sunday January 20th, 2019.
Pictures courtesy of club member Steven Burr
using an 8" SCT & f6 focal reducer with a
Mallincam DS16C.



What'sup?

Astronomy Facts

The Emergency Escape Pod Rockets on the Huge Saturn V Rockets, had more thrust than the entire Redstone Rocket that launched Alan Shepard, Jr. into space on his first mission.

The main 5 main Saturn V Rocket engines have 7,610,000 pounds of thrust and burned 2,021,000 litres of fuel if 2 1/2 minutes, reaching an altitude of 38 miles. That works out to 13473 litres /second and a staggering 8/10ths of an inch per litre.

A nuclear weapon could destroy an asteroid. Nuking an asteroid would not vaporize the rock. Most asteroids are heaps of rubble, so a powerful blast would probably just break everything apart further. That's like turning a single bullet into a shotgun blast — not a good idea if you're trying to save the planet.

Club Minutes - December 2018

By Joanne B.

14 present - many of whom saw Comet Wirtanen last month.

Total Lunar Eclipse

Sunday, Jan. 20 begins at 9:37 p.m. with moon just starting to enter penumbra. Total eclipse from 11:42 a.m. until 12:44 a.m. (62 minutes). Eclipse over at 2:48 a.m. January 21. This eclipse has been named the "Super Blood Wolf Moon."

"Constellations of the Month"

Lynx -- NGC2419 -- "Intergalactic Wanderer", 300,000 l.y. distant as compared to LMC (160,000 l.y.) and SMC (200,000 l.y.)
Camelopardalis -- IC342 face-on spiral galaxy, looks like M33; Kemble's Cascade in eastern Camelopardalis
Auriga -- star Capella, 6th brightest and always visible; star Epsilon Aurigae, weird variable, 2,000 l.y. distance, period 27.1 years, eclipses last 2 years; next eclipse in 2038; globular clusters M36, M37 and M38 (look for NGC1907)

Speakers

1. Randy Boddam -- "Upcoming Lunar Eclipse."
2. Steve Burr showed his photos of Comet Wirtanen and also a nice moon shot. "South Bay Rendezvous" -- Johnson R.V. Park invite us to do solar observing and also night-time viewing for their campers on June 1, 2019.
3. Greg Lisk -- "Life Cycle of Stars"; Meteorites

South Bay Rendezvous - June 2019

Club members mark your calendar, for the first weekend in June. RASC Belleville will be holding a daytime solar observation session along with an evening observation session in the South Bay Area on the 1st of June 2019. Rent a bunkhouse for the weekend or bring your tent/trailer. See you under the Stars!

Point of contact for this event is Steven Burr at steveburr100@gmail.com.