



Photo: Larry Bogan



April 12 to April 18, 2021

RASC Weekly: Planets, Insider's Guide, Moon @ Noon, and the Golden Age of Islam!

Monday, April 12, 2021 - 19:00 MDT
Monday, April 12, 2021 - 21:00 EDT

Planets under construction: how to study a million year process - Edmonton Centre

Join Edmonton Centre for their RASC regular meeting. First half hour includes Meet and Greet! It is followed by guest talk, News from Space, AstroImaging Corner, and other RASC news. It is **FREE and open to the public**.

Guest Speaker: Dr. Nienke van der Marel

Planets around other stars, also called exoplanets, are seen everywhere! In the last 25 years, thousands of exoplanets have been found throughout the Milky Way. How do we find these planets? What are the chances of discovering life there? And if they are so common, why is it that we still don't know how they are formed? With the ALMA telescope we can now finally zoom into the birth cradles of planets: dusty disks around young stars. The spectacular images have given us new insights, but also raised many more questions on the process of planet formation.

[Join RASC Edmonton Regular Meeting](#)

Tuesday, April 13, 2021 - 15:30 to 17:00 EDT
Insider's Guide to the Galaxy: Library Episode

Hosted by Jenna Hinds of RASC and Chris Vaughan of AstroGeo.ca! Join us for a special edition of Insider's Guide to the Galaxy! Take a look below at what we'll be diving into on this episode.

- **Books in the Sky: Harry Potter:** We'll tour the night sky virtually, and show you the stars that JK Rowling used to name many of your favorite Harry Potter characters.
- **Your Own Starfinder:** Download and print a Starfinder from the Royal Astronomical Society of Canada (RASC), and we'll show you how to assemble it and then use it on the next clear night.
- **Stories in the Stars:** We'll share some cool stories from Greek Mythology and Canada's Indigenous Cultures.
- **How to see Where Stars and Solar Systems are Being Born – with Binoculars:** Have you ever seen a nebula? We'll point out where to see the biggest and best one in the springtime sky. It's near Orion's Belt! Then we'll highlight more things to see on spring nights!
- **The Best Sky Sights for 2021:** Finally, we'll tell you what to look forward to in the sky this year, including advice for safely seeing a partial solar eclipse in June, August's fantastic Perseid Meteor Shower, the bright planets Venus, Jupiter, and Saturn in the fall, Supermoons, and more! If the day is sunny, we might even share a view of the sun through a special solar telescope!

[Join Insider's Guide - Library Episode](#)

Thursday, April 15, 2021 - 12:00 to 12:30 EDT
The Moon at Noon: Q-4 and Q-3



We have lots of cool-looking craters on our target lists today, so we'll be going over how to identify crater features. Things might get a little messy! If you want to join in, bring the materials you would normally use for chocolate chip cookies

[Register for the Moon at Noon](#)

Thursday, April 15, 2021 - 21:30 to 23:30 EDT
Thursday, April 15, 2021 - 19:30 to 21:30 MDT
The Golden Age of Islam - Contributions to the World of Sciences by Muslims - Calgary Centre

Presented by Dr. Raafat El-Hacha PhD, PEng and A'arif Hamad MSc, PEng - RASC Calgary

The Islamic Golden Age traditionally dated from the mid-7th century to mid-13th century. Muslim scholars made significant and original contributions to mathematics, astronomy, chemistry, and medicine. They corrected previous astronomical data, constructed the world's first observatory, and invented the astrolabe, nicknamed "a mathematical jewel" at the time.

In this presentation, the Speakers will discuss what the Islamic Golden Age was and what advancements and achievements happened in that time, with emphasis on Astronomy and Mathematics.

Meeting ID: 96736157469

Password: 706627

[Join The Golden Age of Islam](#)

Friday, April 16, 2021 - 19:30 EDT
April Meeting - London Centre

The guest speaker for London Centre's April meeting will be Dr. Ann Hornschemeier, Supervisor/Research Asst, Fields and Particles at NASA's Goddard Space Flight Center. She will be talking on the subject "Surveys of the Variable X-ray Sky: eROSITA, Athena WFI and STAR-X.

Connect anytime after 19:15 EDT with ID **719 353 982**.

[Join April Meeting](#)

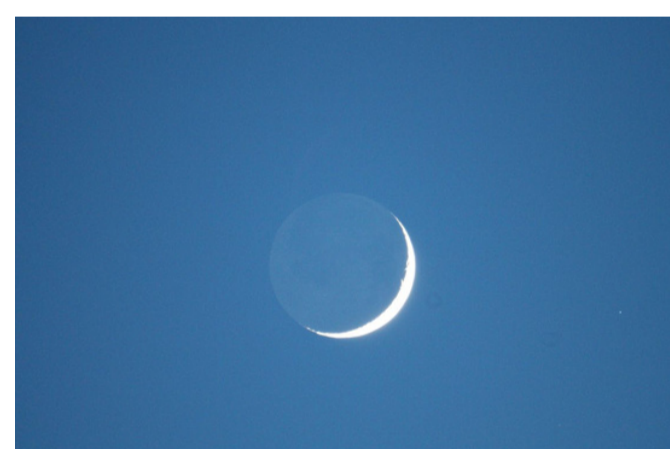
Astroimage of the Week

Larry Bogan

We are featuring winners of RASC's AstroImaging Certificate. Winners will be featured in the banner of RASC Weekly. More information on the RASC AstroImaging Certificate is available [here](#).

Moon with Earthshine:

Title: Crescent Moon with earthshine lighting the dark part of the Moon.
Date-time: 2015 Dec 13 6:40 pm AST
Location: Observer's home - Brooklyn Corner, Nova Scotia
Camera: Canon Rebel XT
Other equipment: 200 mm manual lens
Exposure: 1/4 sec ISO 1600
Comments: Evening sky - the maria are just barely visible in the earthshine.



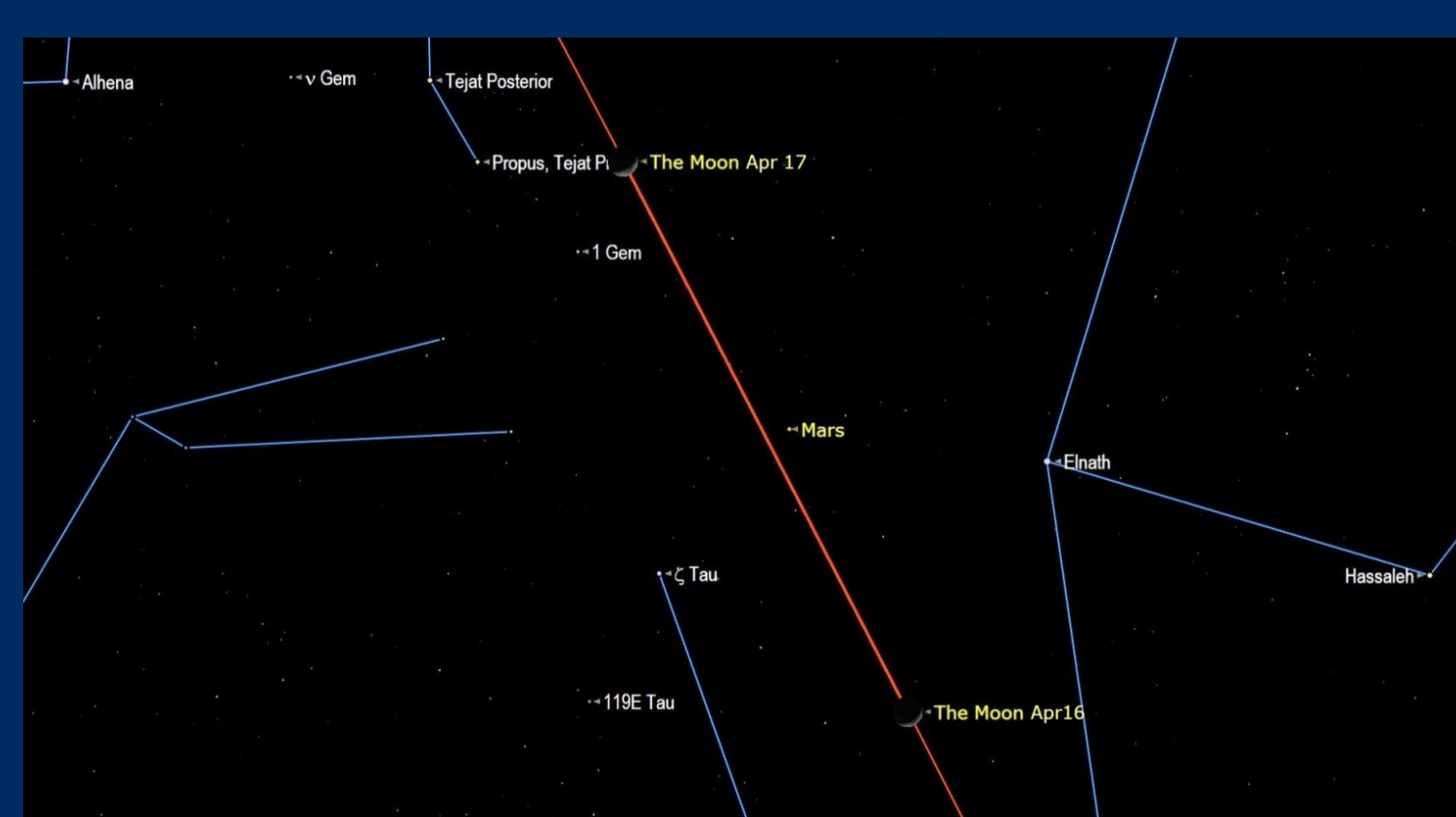
To see the large image, check out the [RASC AstroImaging Zenfolio page](#).

This Week's Observing Targets

Sunday, April 11, 2021 - 22:32 EDT

New Moon

The Moon will located on the same side of the Earth as the Sun and will not be visible in the night sky. This is the best time of the month to observe faint objects such as galaxies and star clusters because there is no moonlight to interfere.



Check out the sky this week on [SkyNews](#):

This Week's Sky - April 12 to 18, 2021:

The waxing crescent Moon is the "star" of the week, passing by Taurus, Mars and Messier 35. Read more in This Week's Sky by Chris Vaughan.

[Click here for full article](#)

From Our Partners



Check out the Institute for Research on Exoplanets' newest Exobouchée video where they discuss Earth-like exoplanets. The video is in French, with both French and English subtitles available. Happy exploring!

[view this email in your browser](#)