

ROYAL ASTRONOMICAL SOCIETY OF CANADA

Photo: Art Cole



### November 9 to November 15, 2020 **RASC Weekly: iREx Venus Biosphere Talk and D(L)AKOTA Indigenous Sky Watchers!**

**Tuesday, November 10, 2020 - 19:30 to 20:30 EST**  
**iREx Public Talk: An Alien Biosphere... on Venus??**

An Alien Biosphere...on Venus??  
IREX - Institut de recherche sur les exoplanetes  
Extraterrestrial life... on Venus?? Join us for the 2020 Grande conference de l'iREx to learn all about the recent tentative discovery of phosphine, a potential biosignature, in the atmosphere of Venus.  
Our speaker will be Clara Sousa-Silva, 51 Pegasi b Postdoctoral Fellow at Harvard University. She is an astrophysicist specializing in quantum astrochemistry and is a co-author of the scientific paper announcing the discovery of phosphine on Venus. After her 30-minute presentation, she will answer the public's questions about Venus, exoplanets and the search for extraterrestrial life!  
The iREx's public talks are intended for anyone interested in astronomy and exoplanets and require no prior knowledge of science or astronomy. **This talk is FREE and requires NO REGISTRATION.** The talk will be available to watch at a later time on our [Facebook page](#) and [YouTube channel](#). **Submit a question for the talk [HERE!](#)**

NOTE: The talk will be in English, but we will be accepting questions in both English and French

[Watch iREx Public Talk here on Facebook Live](#)

**Wednesday, November 11, 2020 - 19:30 to 21:30 EST**  
**Recreational Astronomy Night**

Join us for our monthly recreational astronomy night meeting. This is where RASC Toronto Centre members get to show their latest projects or give tutorials and tips on just about everything to do with astronomy. Talks start at 7:30pm, socializing at 7:00pm.

- Denis Grey - The sky this month
- Wayne Parker - SkyShed and Beyond!
- Frank Dempsey - Update on 12.5-inch telescope making project

Who can attend: Everyone  
Fee: Free  
Registration: Not required  
Organized by: RASC, Toronto Centre

[Watch Recreational Astronomy Night](#)

**Tuesday, November 10, 2020 - 19:30 to 21:30 EST**  
**Centre francophone de Montréal: La Lune**

"La Lune, par Patrice Scattolin"  
Centre francophone de Montréal  
Ou nous allons traverser l'histoire de la découverte de la lune à partir du début de l'invention du télescope.  
  
"The moon by Patrice Scattolin"  
Francophone Center of Montreal  
We will go through the history of the discovery of the moon since the invention of the telescope.

[Join La Lune, par Patrice Scattolin](#)

**Friday, November 13, 2020 - 11:00 to 12:00 EST**  
**Two Eyed Seeing: D(L)akota Astronomy & NASA Moon 2 Mars**

**Hau Mitákuyepi!** Join us for a 60 m live show featuring the Native Skywatchers - D(L)akota Team: Janice Bad Moccasin, Ida Downwind, Ramona Kitto Stately, Jim Knutson-Kolodzne, Annette S. Lee, and James Spotted Thunder. Weaving together Indigenous D(L)akota Astronomy & NASA science this event will offer insights from both world-views.

For more information and for educator materials, please visit the [Native Skywatchers website](#).

[Register for Two Eyed Seeing: D\(L\)akota Astronomy & NASA Moon 2 Mars](#)

**Friday, November 13, 2020 - 22:00 to 23:30 EST**  
**RASC Sunshine Coast Centre: November Speaker Theresa Fisher**

Next Generation Biosignatures for Exoplanets: A Network Approach! By Sunshine Coast Centre of RASC. Astrobiologist Theresa Fisher from Arizona State University will present a talk whose topic is "Next Generation Biosignatures for Exoplanets: A Network Approach."

[Join RASC Sunshine Coast Centre's November Speaker Theresa Fisher](#)

#### Astro-image of the Week *Art Cole*

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](#).

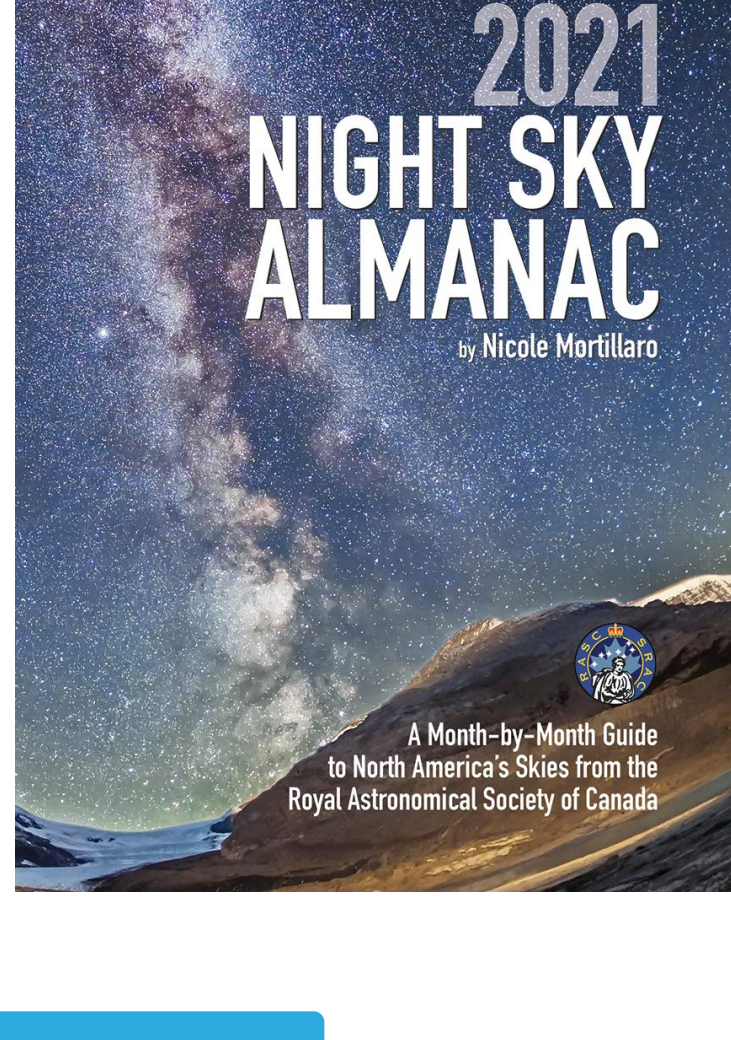
Moon and maple from Hammond's plains: *A fun picture I took from the end of the driveway. Not only is this a Harvest Moon, it's also a Super Moon, and the last Full Moon of the summer. What better way to capture it than to have a sprig of maple in front of it, being both a symbol of Canada and a reminder of the past spring and summer, which is transitioning into autumn.*



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

#### 2021 Night Sky Almanac Available now!

If you receive our monthly Bulletin, you have come across this product before but might have not been able to click the link due to an internal error. The error has been fixed and you can now order it through our website! The 2021 Night Sky Almanac is the ideal resource for both novice and experienced sky watchers in the United States and Canada, with all of the advice, information and data that enthusiasts need to understand and enjoy the wonders of the night sky.



[Buy 2021 Night Sky Almanac](#)

## This Week's Observing Targets

**Tuesday, November 10, 5:00 – 6:00am**  
Given its inferior nature, Mercury exhibits among the greatest elongations. Watch out when looking at the Mercury western elongation, east before sunrise (19.1°), during that time as the planet is going to be close to the sun. Which means, use safeguards!

**The Moon is a waning crescent all week**  
In other words, it rises well after sunset! This makes for the perfect week to view deep sky objects.

## Member Highlights



Congratulations to Astronomy by the Bay, who hit 10,000 followers on Facebook this week! The Astronomy by the Bay Facebook page was started by RASC New Brunswick member Chris Curwin, as a way to let people know when he would be taking his telescope out for sidewalk astronomy.

Over the years, his outreach has evolved to include live shows on YouTube every Sunday night with two other RASC NB members, Mike Powell and Paul Owen, and he has even started doing socially-distanced outreach using a video eyepiece and a computer monitor, allowing visitors to walk by and observe the Moon and planets with him! Subscribe to Astronomy by the Bay's YouTube channel to join in on his live Sunday Night Astronomy Shows.

Do you know a member who you think deserves a spot in our newsletter? Let us know! Email [communications@rasc.ca](mailto:communications@rasc.ca) with your submissions.

[Subscribe to Astronomy on the Bay](#)