

EAR discovered in 2004, will begin peaking during the late night/early morning hours of May 23/24.

**Venus** shines at magnitude -4 in May, lying in the southern part of Pisces and can be seen 12° above the east horizon half an hour before sunrise. **Mars** lays above Spica in Virgo, still decent-sized. **Saturn** reached opposition May 10 in Libra, with the rings open 23°.

June 2-4 – one hour after sunset: **Jupiter and Mercury** together in the west; rare sight. June 3 – **Triple Shadow Transit** on Jupiter's cloudtops – Io, Ganymede, Callisto (2:08 p.m.-3:44 p.m.)

June 7 – **Mars** only a few short degrees above-right of Moon.

Juliana mentioned constellation **Virgo**: One of the very first, original quasar discoveries in history can be seen here – **3C 273**. She also showed Brian Thomas' image of three spindle galaxies – **NGC 4222, 4216, and 4206**.

#### **Closing Announcement: The Passing of Michael Hastings Trew and Tom Hurley**

Randy Groundwater spoke briefly regarding two RASC colleagues, who both passed away during the month of May.

Michael Hastings Trew passed away peacefully on the 6<sup>th</sup> of May, 2014, and was remembered as having been a very active member back during the 1960s. Randy recalled a newspaper article featuring the April 13, 1968 total lunar eclipse with Michael's photo next to it, which brought back memories of those exciting years of space science for other members who were still young teenagers at the time.

It is with great sadness that we also say goodbye to another colleague – Tom Hurley, who had been a member of the Centre along with his son John. Tom passed away on May 9<sup>th</sup>, 2014. He will be missed by his fellow RASC Windsor Centre members and friends. Our centre extends its sympathy to both colleagues' friends and families.

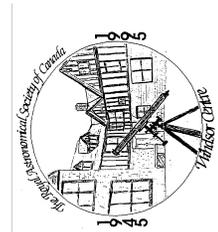
Rick thanked Randy for speaking to the audience about both men, as well as thanking everyone for coming out to the meeting.

The meeting was **adjourned at 10:07 p.m.**

Recorded by Matt McCall, RASC Windsor Centre Secretary.



# AURORA



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## Flyer

### Next Meeting

Tuesday, September 16, 2014  
7:30 p.m.

at  
[Ojibway Park Nature Centre](#)  
5200 Matchette Road

Speaker: To Be Announced

Topic: *"To Be Determined"*

### Upcoming Events

**Summer Solstice:** Summer officially begins in the Northern Hemisphere on Saturday June 21 at 6:51 a.m. EDT.

**Ceres and Vesta:** Will be 10 arc minutes apart (1/3 of the Moon's apparent diameter) on the nights of July 4 and 5.

**Open House Night at Hallam:** The open house nights at Hallam over the Summer are Saturday July 5 at 9:45 p.m. and August 2 at 9:15 p.m..

**Perseid Meteor Shower:** The Perseids peak at 8:00 p.m. on Tuesday August 12th. just a couple of days after the Full Moon which will dramatically cut down on the number of meteors visible.

**Venus and Jupiter:** Will be 20 arc minutes apart (2/3 of the Moon) on the morning of August 18 and will be 1 degree South of the Beehive.

## Monthly Meeting Minutes

May 20, 2014

The monthly meeting of the Royal Astronomical Society of Canada - Windsor Centre was held at the Ojibway Park Nature Centre.

Windsor Centre **President Rick Marion** chaired the meeting. Rick called the meeting to order at 7:42 p.m. and welcomed members and guests to the Ojibway Nature Centre.

**Motion to accept the minutes** of the April 15, 2014 meeting was made by Susan Sawyer-Beaulieu, seconded by Steve Pellarin. MOTION CARRIED.

### Main Presentation

**G.M. Ross** of the Warren Astronomical Society on his coloured **double star observations** using a list compiled from the 2010 Observer's Handbook. He began with a humorous but glowing opinion of RASC's annual Observer's Handbook publication, stating there is more inspiration to be derived from its articles and data than 'all those I-Dorks with too many apps'.

'**A Savage Journey to the Promised Land: The Old Ways are the Best**', was the title used by Ross to describe the small display of telescopes set up at the front of the room, which consisted of two older-style refractors - 5 and 9 cm, respectively. He built the smaller scope, called the 'Eclipse Special' in 1973, with the other having been built well over a decade earlier by his brother. He opted to use old, small telescopes to observe all the doubles from the list, in accordance with what the handbook suggested.

Observing in large metropolitan areas can be discouraging, but Ross showed off a badge he received for observing double stars, saying he felt good about doing all the observations using the smaller of the two telescopes, and from Royal Oak, Michigan, at that.

He continued telling the story of how he completed observing the list and then made the trip to the RASC National Centre in Toronto to present photocopies of the observations from his personal notebook. The first leg of this space voyage - the actual observing - is described in a bit more detail in Ross' *Coloured Double Stars* article, published in our own Windsor Centre's January 2014 newsletter.

The latter part of the story took place in November 2013, when he and his 'good old buddy Raimondo' drove all the way up to National's headquarters,

but in the process became slightly lost for a little while after it was discovered that 'RASC HQ' had moved and was no longer on College Street. However, they finally found their destination and delivered his envelope, hoping it would quickly find its way to the French RASC Centre in Montreal, where the author of the *compendium of Coloured Double Stars* - Michel Duval - could read what Ross had done.

Mr. Ross then prepared to show off a 15-minute video presentation produced by Mark John Hitchinson featuring photography made in South America during the southern hemisphere's winter season.

### Stargazing in the Atacama Desert: Winter Observations of the Southern Hemisphere Sky in July 2013

This short movie featured Mr. Hitchinson's '*Night Vistas - Astrophotography*', which included an entire panoramic view of our own Milky Way Galaxy. Highlights of his Atacama selection were: the Small and Large Magellanic Cloud, Southern Cross, the Llama (including the eyes, neck, and body of the Llama), the Coalsack, Southern Pleiades, Eta Carinae Emission Nebula and the galactic core itself.

Rick thanked Ross for his excellent presentation, along with the slideshow, and announced a break.

**Break & Fifty-fifty Draw:** John Marn won and donated the winnings back to the Centre.

### Announcements

1. **Next Hallam Open House** is June 7 at 9:30 p.m..
2. **Council Meeting** is June 10th starting at 7:30 p.m. at Dan Taylor's.
3. **Annual Windsor Centre Picnic** at Hallam is June 14 starting at 6 p.m..
4. **Next Members Meeting** is June 17 at 7:30 p.m..

**Director of Observing Report, Juliana Grigorescu:** The beautiful stars of Summer will soon take over the sky, so we have these darker skies right now - in May, the Milky Way shows itself, it is fainter without the very dense star-fields that make themselves apparent in Summer. Earlier this month, we had the **Eta Aquarid** meteor shower which didn't turn out to be as big as expected. A new meteor shower, the **Camelopardids**, stemming from Comet 209P LIN-