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David Garner, Editor

We welcome your comments on the *Bulletin*. Email them to the Editor at bulletin@rasc.ca.

A PDF version of the *Bulletin* is available [here](#).

A Web-based version of the *Bulletin* is available [here](#).

➤ Editor's Notebook by David Garner

November's Sky

Daylight Saving Time ends Sunday, November 2nd. During the first half of November, Mercury has its most favourable apparition of the year. Its greatest elongation west occurs on the 1st and it is high above the Sun. Venus is at superior conjunction as it is in transition from morning "star" to evening "star." Venus won't be easily visible until December. Mars is still low in the southwest evening sky whereas Jupiter rises in the east in late evening. Saturn is in conjunction with the Sun, and is not visible this month. We have a full Moon on November 6 and a new Moon on the 22nd. The Leonid meteors peak on November 23. For more details check the *2014 Observer's Handbook*. Don't forget to check out Gary Boyle's [Northern Skies](#).

➤ News @ RASC.ca

News from the Society Office

by [Julia Neeser](#), RASC Marketing Coordinator

The *RASC 2015 Observer's Handbook* was shipped to members the week of October 24.

Have a look at our Supernova and Star Cluster Value packs on our eStore page; they make wonderful gifts. Check them out for great savings!

<https://secure.rasc.ca/rasc/RASC/Store/store>.



Nomination Deadline for RASC National Awards is December 31

by [Glenn Hawley](#), Awards Committee Chair

This is a friendly reminder that nominations for the 2015 awards are due by 2014 December 31. Summary information is below. More detail, including eligibility and nomination requirements for each award can be found at <http://www.rasc.ca/awards>. Click on the links to individual awards for full information. Not sure how to write a nomination? There are many examples of successful nominations on the awards pages of the Web site. Think about the contributions of those hard working RASC members that you know and whom you believe qualify, and nominate them for an award.

Now is the time! Nominations are due on 2014 December 31.

RASC National Awards

The RASC sponsors several annual national awards that recognize achievement or service by our members. These awards include:

- The award of **Fellow of the RASC (FRASC)** acknowledges the work of long-serving members. It recognizes those outstanding members who have made extraordinary contributions to the Society over the long term, much of which service has been rendered at the national level.
- The **Chant Medal** is awarded, not more than once a year, to an amateur astronomer resident in Canada on the basis of the value of the work carried out in astronomy and closely allied fields, for original investigation, and specifically not for services to the Society, worthy though these may be.
- The **Ken Chilton Prize** is awarded annually to an amateur astronomer resident in Canada, in recognition of a significant piece of astronomical work carried out or published recently.
- The **Qilak Award** for Astronomy Outreach and Communication recognizes individual Canadian residents, or teams of residents, who have made an outstanding contribution, during a particular time period, either to the public understanding and appreciation of astronomy in Canada, or to informal astronomy education in Canada, and to promote such activities among the members of the sponsoring organizations.
- The **Service Award** is given to members in recognition of outstanding service, rendered over an extended period of time, where such service has had a major impact on the work of the Society and/or of a Centre of the Society.
- The **Simon Newcomb Award** is intended to encourage members to write on the topic of astronomy for the Society or the general public, and to recognize the best published works through an annual award.

The deadline for nominations is 2014 December 31. Send your letters of nomination or questions about the awards program to me at [Glenn Hawley](#)

Asteroids with a Canadian Connection

by [Eric Briggs](#), Toronto Centre

The following newly named minor planets have been added to the list of asteroids with Canadian connections:

Asteroid (4668) Rayjay

Sri Lankan-born and raised Ray Jayawardhana (b. 1971), known as "RayJay," is an astronomer at York University and an award-winning science writer.

Name suggested by the SGAC Name An Asteroid Campaign.

Orbit: Main-belt asteroid

MPC 89832

<http://www.rasc.ca/content/asteroid-4668>

(402920) Tsawout = 2007 TH142

Discovered 2007 Oct. 7 by D.D. Balam at Mauna Kea.

Named to honour the people of the Tsawout First Nation, who live on Vancouver Island on the west coast of Canada.

Orbit type: Hilda

MPC 90381

<http://www.rasc.ca/content/asteroid-402920>

These are listed on the Web site, www.rasc.ca/canadian-asteroids.

Canadian Astronomical Society Newsletter

by [Eric Briggs](#), Toronto Centre

Cassiopeia, the newsletter of CASCA (Canadian Astronomical Society/Société Canadienne d'Astronomie) Canada's academic astronomical society, is published on a quarterly schedule. The Autumnal Equinox 2014 issue has just been published. <http://casca.ca/?p=4660>.

CASCA Newsletter Contents:

New Editors Introduction, Joanne Rosvick et Magdalen Normandeau

Message from CASCA President Christine Wilson, concerning 1)Mid-Term Review of the Canadian Astronomy decadal plan 2)Thirty-Meter Telescope plans 3)Cerro Chajnantor Atacama Infrared Telescope

Association of Canadian Universities for Research in Astronomy (ACURA) report by Ernie Seaquist, concerning the Thirty Meter Telescope and the Square Kilometre Array

National Research Council (NRC) Herzberg News by Dennis Crabtree, concerning the Dominion Astrophysical Observatory and the Square Kilometre Array test dish at the DRAO in Penticton, BC.

James Clerk Maxwell Telescope update by Doug Johnstone, reporting the final Canadian observing session at JCMT under NRC management.

Atacama Large Millimetre Array (ALMA) update by Christine Wilson, including the final ALMA antenna installation

Herschel Space Telescope-HIFI (Heterodyne Instrument for the Far Infrared) news by Sylvie Beaulieu

A note from Madawaska Highlands Observatory

Canadian Astrophysics Ph.D. Abstracts! Thesis abstracts of Canadian astronomers used to be published in the Journal of the R.A.S.C., and although they were dry reading, they represent the future of Canadian astronomy at our local colleges and universities. These were most recently published in JRASC in February 2005.

The Thirty-Meter Telescope

by [Randall Rosenfeld](#), RASC Archivist

The Thirty Meter Telescope (TMT) <http://www.tmt.org/> is an outstanding next-generation engine of astronomical discovery currently in development. Construction has just started [<http://casca.ca/?p=4334>]. From the start, the TMT has had Canadian involvement in its conception, planning, and design. In 2010 CASCA designated the TMT as the “number one priority for large projects in ground-based optical-infrared astronomy”. For Canada to assume full partnership in the TMT it is vital that the Canadian Government formally commit to Canada’s share of the cost, otherwise we will lose our place in the project.

The professional astronomical community in Canada greatly values the backing of the RASC, the voice of amateur astronomy in Canada, and through its Board of Directors the Society has officially expressed our institutional support for the TMT. There is also an important role individual members of the amateur astronomical community can play. Letters of support for the TMT from individual Canadian citizens count a great deal. We encourage you to add your voice in support of the TMT by writing to the Minister of State (Science and Technology) .

A model letter can be downloaded from <http://www.rasc.ca/thirty-meter-telescope-tmt>. We encourage all RASC members to get involved and make their support for this significant project known.



Courtesy TMT Observatory Corporation

► *Bulletin Photo of the Month*

Partial Solar Eclipse

by [Ron Brecher](#), Kitchener-Waterloo Centre



This image of the October 23rd partial solar eclipse was shot from my SkyShed in Guelph, Ontario.

The equipment includes a Solar View 50, 50mm f/8 refractor with integrated Ha filter mounted on an EQ-6. For more information, see his Website at: <http://astrodoc.ca>.

Thank You to our Sponsors!

by [Julia Neeser](#), RASC Marketing Coordinator



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What's New in the Sky

Members are encouraged to check out the [Northern Skies](#) section of the RASC Web site. Thanks to **Gary Boyle** for keeping us all in the know.



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