

Upcoming Meetings

Saturday, November 9 7:30 p.m.
KAON Observing Session

Thursday, November 14 7 p.m.
Annual Meeting & Elections

Thursday, December 12, 5:30 p.m.
Annual Dinner

Aunt Lucy's restaurant, Kingston
Note: No meeting tonight!

Saturday, December 14 7 p.m.
KAON Observing Session

Meetings are held in Room B201 at Mackintosh Corry Hall on University Avenue at Queen's University in Kingston, Ontario. **KAON** (Kingston Astronomy Out-reach Network) sessions are held at Queen's Observatory on the 4th floor of Ellis Hall. ★

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Asteroid Vesta

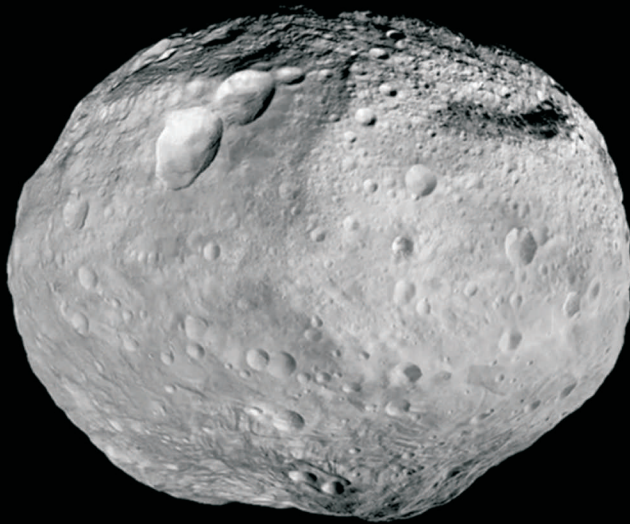


Image: NASA/JPL-Caltech/UCAL/MPS/DIR/IDA

As NASA's Dawn spacecraft travels to its next destination, this mosaic synthesizes some of the best views the spacecraft had of the giant asteroid Vesta. Dawn studied Vesta from July 2011 to September 2012. The towering mountain at the south pole—more than twice the height of Mount Everest—is visible at the bottom of

the image. The set of three craters known as the "snowman" can be seen at the top left.

These images are the last in Dawn's Image of the Day series during the cruise to Dawn's second destination, Ceres. A full set of Dawn data is being archived at <http://pds.nasa.gov/>.

Reports and Other Items

KC BOARD SITUATION CRITICAL

Kevin Kell reports: **Susan Gagnon** is stepping down as President and leaving the Board, **Kim Hay** is stepping down as Vice President but will continue on in her role as Secretary, National Council Rep continues to be vacant, and **Kevin Kell** would love to step down as Treasurer but will run to remain on the Board. We also elect an Auditor at this time, for 2014. If you live in the Kingston area, please consider volunteering for one of these positions! It is crucial in order to keep Kingston Centre running. All Centre reports are on this page:

kingston.rasc.ca/Secure/AnnualReports/2013.php

ALICE MUNRO

Eric Briggs comments: Canadian writer **Alice Munro** has won this year's Nobel Prize for Literature. I have one of her collections of short stories on the bookshelf here, *The Moons of Jupiter* written in 1982. The title story takes place in McLaughlin Planetarium. Ain't that sweet.

ASTEROIDAL OCCULTATION

Our intrepid *Handbook* editor, **Dave Chapman**, gives us this heads up: **David Dunham** and others of IOTA forecast that on 2014 March 20 at about 0610 UT, the minor planet 163 Erigone (mag. 12.4) will occult

From Kingston Centre, the RASC, and Beyond...

Regulus, along a line between Long Island and eastern Ontario: "Alpha Leonis = Regulus...is the brightest star ever predicted to be occulted by a sizeable asteroid in North America. IOTA plans a major effort for the event, including plans to develop an "app" that could be used by thousands of mobile-phone users to help observe it."

KC IN BC

Our president passed this on from our west coast member, **Angelika Hackett**: Thanks...for your updates, and greetings from the West Coast! I've seen the film *City Dark* and it's

...Reports and Other Items

...continued from page 1

excellent. It was featured here last year as part of Vancouver's "Projecting Change" Film Festival. Our daughter **Melanie** just spent 15 months living and working in a small community in the Yukon, and has

great stories about fantastic aurora displays and clear night skies last winter (despite temperatures as low as -45C!).

Best regards to everyone at the Kingston Centre! ★

New on rasc.ca

Walter MacDonald, Geoff Gaherty

THERE IS A WEALTH OF NEW MATERIAL on Bert Topham: rasc.ca/bert-topham

Geoff Gaherty: Wonderful stuff! Reading about Comet Arend-Roland in the newspaper was what first got me into astronomy. A few months later, I joined the Montreal Centre, and made the first of many observations with Bert's 6½-inch f/15 refractor, seen in some of those pictures. He sold it to the Montreal Centre, where it was in use every clear Wednesday and Saturday until vandals broke in and stole the objective.

Background: Topham photo of Comet Arend-Roland, taken on 1957 April 29.



Regulus Needs You!

ITEMS OF INTEREST FROM MEMBERS—full articles, or even just a couple of paragraphs are always welcome. Items are gratefully accepted on each and every day of the year! Send items to:

walter.macdonald2 (at)
gmail (dot) com

or:

Walter MacDonald
PO Box 142
Winchester ON K0C 2K0

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RASC-KC Board of Directors

President: Susan Gagnon
Vice President: Kim Hay
Secretary: Kim Hay
Treasurer: Kevin Kell
Librarian: David Maguire
Editor: Walter MacDonald
National Council Rep: vacant

Committee Chairs/Coordinators

Equipment Loan: Kevin Kell
KAON: Susan Gagnon
Webmaster: Walter MacDonald

Meeting Report: October 10

Kevin Kell

The RASC Kingston Centre held a regular meeting on Thursday, October 10, 2013 in MacCorry Hall Room B201 at 7p.m.

Six folks made it to dinner beforehand at the Queen's Inn on Brock Street.

15 folks made it to the meeting where **Susan Gagnon** (our Centre President) welcomed everyone, made announcements, and then launched into the program feature of the evening, a screening of the light pollution documentary *The City Dark*.

Some discussion followed the 57 minute show, including requests for ideas on how to use a \$100 grant from

Dupont in a sustainable, possibly responsible-lighting way.

Presentations were then made by **Leslie Roberts**, **Rick Wagner** and **Kevin Kell**. We went around the room asking for observing reports as well.

The meeting was broadcast using anymeeting.com tech on a laptop that did provide 1024x768 (not the netbook used previously showing 1024x600 and distorted aspects). Even so we had a couple of crashes/disconnects to the three in the remote audience. A remote older webcam with microphone was used to broadcast a local image when not sharing the images/presentations.

Announcements included items now on the front page of the website at kingston.rasc.ca, including two observing group sessions and a Torus mirror cleaning work session.

Paper copies of *Regulus*, the centre newsletters were mailed out to those five members requesting them, as **Walter MacDonald** had released the October issue earlier in the week.

MacCorry B201 continues to be a noisy room (from outside MacCorry foot traffic) and we have requested Ellis 324 when it comes out of the construction zone in 2014 January.

We meet next at the Annual General Meeting and Elections on Thursday, November 14th at 7pm. ★

KAON Report: October 12

Susan Gagnon

SATURDAY'S KAON SAW A DECENT TURNOUT, perhaps 50, but I did not count. You can never predict holiday attendance. After all you can't eat turkey 24/7.

The talk had plenty of great Arecibo photos as anticipated and some shots that were unexpected like from the walkway that takes you to the secondary waaaaay up there. Cool. Our speaker had a stunt double take these shots as she suffers from vertigo, quite unfortunate.

I had my ETX on the deck and **Laurie Graham** had her 10"(?) S-C and her son **Devon**. We spent most of the night on the **Moon** but then you always get to wondering what you can actually nail in such a bright sky. I managed **Andromeda** but then it was long past the time to pack up. The numbers were reasonable for two scopes on deck and we had time to talk to folks as they stepped up to the eyepiece. **Terry Bridges** took over my scope so I could race up to the

dome just to have a peak for myself; it was not an illusion, the C14 works!

While I was on the Moon (I never noticed how crazy that sounds) I did notice a star very close and wondered how close it would get that night. I guess from the chat I missed an occultation.

Many thanks to new member **Richard Weigand** and his lunar observing project. He was a wealth of information about the moon and we had some curious folks. ★

Equipment Report 2012-13

FOR THE FIRST TIME IN SOME YEARS we have actually managed to do an equipment audit, and the results were very good. We actually have the majority of items we think we have! The equipment loan list can be found at kingston.rasc.ca/equipment.php

Equipment use over the past year remains low. Some of the highlights include:

▶ Fitzgerald 20cm telescope—in regular monthly use at the KAON sessions at Queen's University, along with the binocular set.

▶ the 19mm Televue 1¼" Panoptic eyepiece has been used a few times as has the 31mm Nagler 2" eyepiece

▶ the Starlight Xpress MX716 camera has been reassigned to the Tardis observatory project for the upcoming year and will not be available.

▶ the Epson data projector has been signed out a few times for public outreach sessions and Fall'n'Stars along with the projection screen,

Kevin Kell, Equipment Coordinator

and is also brought along as a backup during meeting nights.

Some of the equipment is getting older and we will take another look at writing off or dropping from the books some of those items in the near future.

Expressions of interest in items that we do not have, but that you think our members would use, are welcome. ★



Observing Reports: October

Various Members

TUE/WED, OCTOBER 1/2

Kim: I woke up at 1:00 a.m. and it was really bright in the north with cloud. So I got up and stayed out for half an hour, and saw some **aurora**. There was spiking, and pulsating. You could see some glow of green and some spiking in light white.

I also took some images of **Orion** and **Jupiter** rising.



Kim Hay

Rose-Marie: Well it was indeed a long night. And my frustrations with the cloud cover got pretty ugly. Every time it peaked, there was the cloud. Here is one of only a few shots I got where you can actually see anything happening, and this was with a lot of tweaking to the exposure. (Image data: Oct. 2 @ 01:37EDT, 10mm f/4, ISO 1600, 25s.)



Rose-Marie Burke



Winchester Observatory

Walter: I covered just over 100 **variables** tonight (almost all Miras) in an almost-10-hour CCD run. While the scope was pointed at the **V1208 Tau** field, a satellite went part way through the field. It was a bit wobbly-looking, but I suppose that could have been due to seeing.

WED/THU, OCTOBER 2/3

Mark C: I finally found the time to install the Starsense Sky Align add-on to my 8 inch Nexstar Schmidt-Cass and let it do its stuff tonight. After it aligned itself I told it to go to **Neptune** and bang! there it was centred in the eyepiece. Everything I asked it to find it either did or was pointed in the right place (trees in the way notwithstanding).

This is rejuvenating my burned out interest in Astronomy.

Kevin K: We managed to get outside for half an hour in the evening to look around and take some images with the new CHDK software for our Canon A2400IS model camera. We were out again around 04:30 for an hour.

We still could not find **Comet ISON** near **Mars**. Perhaps it was some bad transparency and light cloud in the east. **Jupiter** looked very nice as did Mars. Kim spotted a couple of meteors heading by.

THU/FRI, OCTOBER 3/4

Rose-Marie: I was tired last night, there were a few clouds drifting about, and my favourite TV shows were on, so Astronomy was set aside. Before going to bed, however, I saw that there was a bit of clear sky with clouds down to the south, figured what the heck, set up the camera to run a series. Glad I did, caught a nice meteor. The thing was so bright it even showed up through the thin clouds. While processing the pic, I noticed that there's a very faint streak

parallel, to the left, possibly another one.

Oct. 4 @ 00:43 EDT,
ISO 1600, 18mm f/3.5, 25s.



Rose-Marie Burke

Hank: Very nice, I saw one quite like that at 8:52 heading into Sagittarius while I was walking to Mom's to watch the nightly Match Game '76.

☺

Mark K: Did you have any filters on the front of your camera? An UV or a Skylight screw on filter? They are the bane of astrophotographers as since they are a flat surface, they will give you a reflection of any bright objects in your image. You can still get internal reflections, depending on your lens design, but a reflection of some sort is surely what that is.

Rose-Marie: Aha! Reflection would explain the exact parallel. No filters, that would be caused by the window pane. The thing had to be bright to create that much reflection.

Kevin, did it show up on the allsky?

Kevin K: Funny Lady! You see all that cloud in the south of your image? It was over our house!

TUE/WED, OCTOBER 8/9

Kevin K: There is a nice **aurora** in progress. We went out at 20:30 to see the ISS go by in the low SW and stayed out for an hour watching the aurora.

The photo below was taken ~20:41 EDT, 60s with the Canon a2400IS. The dark spot in the upper right is a big hunk of dust/something stuck on an internal lens surface. I



Once the camera was set up, the clouds rolled back in and then it got foggy. I can occasionally see some of the brighter stars straight overhead.

That means I have time to mess around with the computer. I was setting up ECU and I wanted to set up a rectangular field target that is the same size as the camera. How does one figure out the sky coverage of an APS sensor for a given focal length?

Armand on *RASCals* list: The angular size of the sky you can capture is given by:

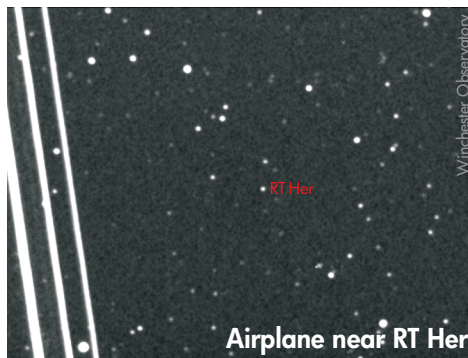
$$a = 2 \arctan (x / (2f))$$

where *a* is the angular size of the sky, *x* is the camera chip's length (you can use the width also in a second calculation to obtain the rectangular field of view), and *f* is the focal length of the telescope. *x* and *f* must be in the same units; *a* will have units of degrees.

FRI/SAT, OCTOBER 11/12

Walter: Finally a clear night! The last two were ruined by that system in the eastern US that pushed cloud in from the south. The dawn skies are foggy these days, but that is the price we pay for such great daytime weather! (It's worth it for the cherry tomatoes though—they are still coming on like gangbusters and its Thanksgiving weekend!)

I'm cranking a complete set of Miras again tonight with the CCD. The available runtime these nights is approaching 11 hours and doesn't end until after 6 a.m. I was out for



Airplane near RT Her

half an hour this morning (05:05-05:35) doing a few **variables** visually. I would have been out earlier, but I didn't wake up until 04:30 and then needed to spend a few minutes tweaking the CCD plan before heading out. I took a quick look for Comet ISON with the C8, but did not see it.

SAT/SUN, OCTOBER 12/13

Walter: Wasn't that a great double feature tonight? The neighbour's apple tree was blocking my view of the **Moon** as seen from MGRO, so I set up the C8 on an extra tripod in the back yard where it would have an unobstructed view. I was only able to catch glimpses of portions of the Moon's dark limb due to the brightness of the Moon, now ~62% illuminated—this was helpful in knowing when the events were at hand (and when not to blink!). I saw the 6.1 mag star disappear ~21:27 and then **β Cap** at ~21:33. It's very cool how they don't disappear instantly, but rather dim to nothing over a small fraction of a second.

Kevin F: I watched both, and got them on video.



Kevin K: Nice video Kevin! We were on a beach at Sandbanks watching the **Moon** approach the star, but headed back to camp before the occultation happened.

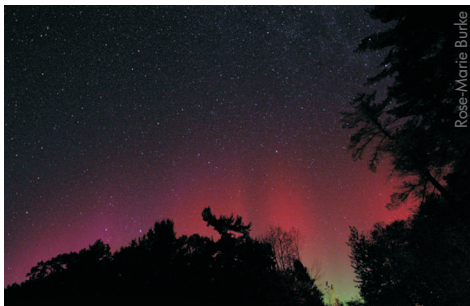
Kim spotted **Mercury** low in the west after sunset but I don't think we managed to snag Saturn as it was dimmer and closer to the Sun.

tried to take it apart but I don't think those lens assemblies come apart!

Hank: I should have stayed out, I went in for a bit to do some cleaning up from Di's birthday and it looks as though I missed the best of it.

I guess it is new camera time for you, might as well go DSLR!

Rose-Marie: I went down to the dock to photograph the ISS pass, turned around, saw the glow, and got a few pics.



Mark K: I just bought a Canon 7D. I missed the clear skies last night because I was figuring out how to use it. By the time I was ready to put it on the back of the scope and start taking some pictures, it had fogged in completely and only fuzzy stars overhead were visible.

There was nothing to a film camera, you put it on B, advanced the film and held down the shutter with a cable release. Now you need an engineering degree to figure out how to use the intervalometer. I used to be a geek in the seventies, now I am a Luddite...

WED/THU, OCTOBER 9/10

Mark K on *RASCals* list: It finally cleared, but only for a brief time.

Kevin F: What am I going to do with you? A nice bright star gets occulted, and you don't observe it.

Walter: I was out observing visually before dawn. It was nice to finally have a morning with almost no fog, though it was still quite dewy. **Comet ISON** continues to elude me—I may have to dig out the 17.5" for my next attempt. It was interesting to find that **Mars** is only 3/4° south of **RY Leo** which in turn is only 1/2° south of the comet. Lots going on in that little patch of sky.

Hank: Obviously I would have been wasting my time had I got up early and searched for ISON. If you are not finding it I doubt I will. That portion of the sky is tree blocked for the C9.25 and the C80 is too small. I didn't recall that you have a 17.5", what is it? [An old Coulter Dobsonian.—Ed.] Even if I had access to a scope here in Victoria right now that portion of the sky is over the mainland and totally polluted.

WED/THU, OCTOBER 16/17

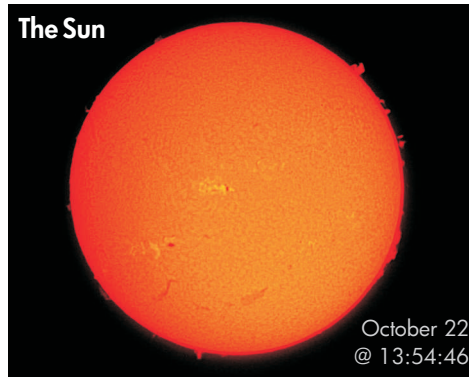
Kevin K: A very nice and fast meteor at 03:09:08 EDT this morning moving from southeast to northwest almost overhead at SCGO.



TUESDAY, OCTOBER 22

Hank: This image is bad focus but focus is not the point anyway. The active regions around 1875, 1877, and 1879 are what is worth looking at. I haven't had much chance to

observe or image lately but according to spaceweather.com things are looking up.



MON/TUE, OCTOBER 28/29

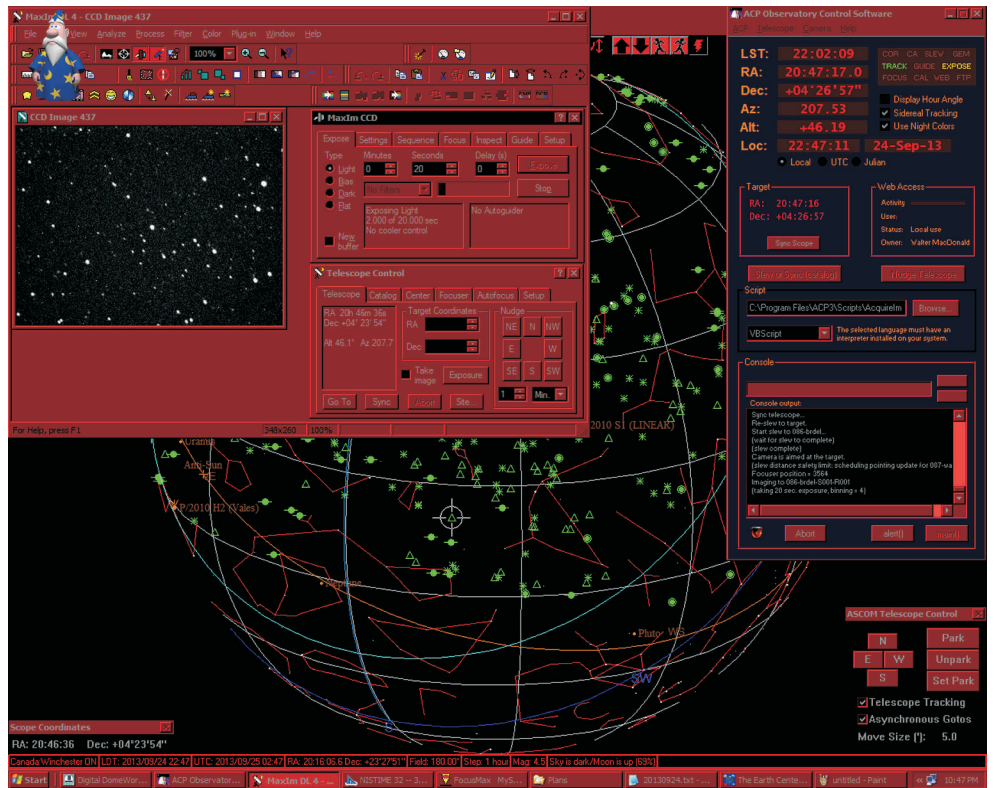
Walter: I had 278 variables in my plan, but a couple things happened to cut that number down. In the evening, shortly after going out to observe visually, ACP crashed (I can't recall that happening before like this), and I lost an hour in total. So I had to skip Sge and Del, and carry on. ACP ran nicely for the rest of the night as it happens.

I went out for another visual session (04:15-05:00 EDT) and in

addition to observing more variables, I easily found **Comet Lovejoy** with the C8. Although it is listed in ECU as mag 10.2 it was easily seen despite the 24-day old **Moon** further east. Lovejoy was nicely diffuse (though nothing like Encke!) with a tiny, faint nucleus.

While waiting for Leo to get higher, I came back in to gauge how my CCD plan looked for the final 90 minutes of the night. With everything looking good there, I went outside at 05:45 to go after ISON. Imagine my surprise when I found the sky completely covered in cloud! It may have clouded over around 05:30, but I'll have to look at the CCD images to see if I can nail down the time. The final CCD total for the night was 203 variables. ★

WINCHESTER OBSERVATORY AT WORK: This screen shot shows the imaging software (MaxIm DL), the automation software (ACP), and behind them the planetarium software (ECU). The cross-hairs show the telescope's current position; the green objects are my variables. The guy at the top left of the screen is the virtual Merlin—he even talks!



Torus Telescope Optics Cleaned

Kevin Kell

A BIG THANKS goes out to **Rose Marie, Kim, Brian, Paul, Leslie and Walter** for assisting this afternoon, in what turned out to be four hours from start to finish, cleaning both the primary 16" and secondary mirrors of the Torus CC04 telescope.



We set up a shade tent, two 2x4 tables, a tablecloth, a plastic bin to use as a bath tub, and a lot of reverse osmosis water.

All of the parts coming off had separate bins to put pieces into and all bits were marked with alignment and numbers of go back together the same way. The camera and filter wheel came off first, followed by the primary mirror cell.

We then took out the mirror out of the cell and immersed it in the tub with warmed RO water and a bit of non abrasive detergent dissolved in. A lot of sloshing back and forth and then a 30 minute soak followed.



In the meantime, the secondary mirror came off easily and also went into the tub.

30 minutes later we looked at the smaller secondary first, gently dragged with no pressure, cotton balls across the surface radially inside to outside a couple of times around, then rinsed with more RO water and then another rinse with 70% isopropyl alcohol and then let dry sitting vertical. The results were good, a lot of the surface crud had come off.

The primary was in worse shape. After a rinse and more water with

soap, we went around the entire mirror three times dragging a cotton ball (a new one for each pass). Again, a lot of lightly adhering surface crud came off but it still looks not great. More alcohol rinses and eventually we decided that was as

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Treasurer's Report 2012-13

Kevin Kell, Treasurer

SUMMARY: Another quiet year for the Centre. Some one time capital expenses include the construction of a storage shed to concentrate and collect the Centre's equipment, and the construction of the Tardis Observatory, hosting the Torus telescope.

Our membership level as of 2013 September 30th was 70. Previous family (associate) members that were not listed in RASC membership lists have been converted/modified into a new family membership type that do appear in the count.

An equipment audit was also performed for the first time in some years, and while there are a few uncertainties on a few items, we were happy to find that the storage shed project strongly contributed to finding of objects in one place during the audit.

Total Income:	\$5993
Total Expenses:	\$5946
Net:	\$47

FUNDS AS OF 2013 SEP 30	
Banquet	\$0
Fall'n'stars	\$752
General	\$8,546
Observatory	\$14,982
Reserve	\$500
Special projects	\$1,500
Total	\$26,281

INCOME NOTES: membership fees (\$23) \$1686 or 28% of revenue, down from 46% last year.

Total donations this fiscal year were \$1528, up from \$410 last year.

We received a \$417 grant to help cover expenses with the **David Levy** tour, had good sales of 2013 *Calendars*, and ran the financials for the 14th annual Fall'n'Stars star party this year.

I have classified \$1359 of the expenses as a capital projects associated with the Storage Shed and Tardis Observatory. So our "operating budget net" (without these capital projects) was actually

\$47 + 1359 = \$1406. We continue to try to budget without deficits.

THE FUTURE: What does the future hold? The only major initiatives in the near future are the outfitting/commissioning of the Tardis Observatory.

Until our activity level goes up, our expenditures will remain low and we will continue to aim for balanced budgets in the future. Investment returns should become significant in the midrange future with rising interest rates and more capital under investments. We have \$20k invested in GIC's returning an average of 1.3% or \$260. We have ramped up our charitable spending in the last year with the **David Levy** event and higher bills for the public meeting room rentals (up to approx \$80 per event).

We are continuing to look for land to base it on as well as a base for an observing group.★

KC Officer Duties

Kevin Kell

ELECTION TIME IS HERE THIS MONTH! For any possible volunteers out there, here's what's involved with the three positions up for grabs this year:

From The Royal Astronomical Society of Canada—Kingston Centre Bylaws 20060414

The full bylaws are available in the Members Only Section (the link is on the right hand side):

☞ kingston.rasc.ca/Secure

THE PRESIDENT'S DUTIES

- 8.9 Duties Of The President
- 8.9.1 The President shall:
 - 8.9.1.1 Preside at all meetings of the Centre and the Council as provided by Articles 10.4 and 7.2.4,
 - 8.9.1.2 Represent and speak for the Centre when appropriate,

- 8.9.1.3 Preside at all meetings of the Executive Committee referred to in Article 9.7, and
- 8.9.1.4 Have such other duties as may be prescribed by the Council.
- 8.9.2 The President is a member of all committees of the Council, as prescribed in Article 9.

THE VICE PRESIDENT'S DUTIES

- 8.10 Duties Of The Vice-President
- 8.10.1 The Vice-President shall assist the President in the discharge of his or her duties, shall preside at meetings of the Council and of the Centre in the circumstances prescribed in Articles 7.2.4 and 10.4, and shall have such

- other duties as may be prescribed by the Council.
- 8.10.2 The Vice-President shall be a member of the Executive Committee as prescribed in Article 9.7
- Other Duties as prescribed by Council:
 - ▶ Advertising of Meetings and Special Events.

THE TREASURER'S DUTIES

This is not all-inclusive, but it hits the high points. By Kevin Kell, RASC-KC Treasurer (2005-2007, 2011-2013). Updated: September 26, 2013

MONTHLY:

- ▶ Attend regular meetings (3 hours, Sept-June) - bring financial kit/sales kit.

continues on next page...

AGM 2012 Minutes

Kim Hay

AGM—RASC KINGSTON CENTRE,
NOVEMBER 19, 2012

Location: Room 324 Ellis Hall,
Queen's University, Kingston
Ontario, Canada.

Absent: Steve Hart (Secretary),
Walter MacDonald (Editor), and
David Maguire (Librarian).

The minutes were taken by Kim Hay
in the absence of the Secretary.

▶ Welcome

▶ Presentation of Agenda

▶ Approval of Agenda

Motion 2012111901. Moved by
Susan Gagnon and seconded by
Brian Hunter. *Passed.*

▶ Approval of 2011 AGM Minutes

Motion 2012111902. Moved by
Susan Gagnon and seconded by
Brian Hunter. *Passed.*

▶ Reading of annual reports

▶ **PRESIDENT:** report to National to
be briefer.

▶ **SECRETARY:** report and approval
to update at year end.

Motion 2012111903. Moved by
Susan Gagnon and seconded by
Paul Winkler. *Passed.*

▶ **TREASURER:**

Motion 2012111904. Moved by
Kevin Kell and seconded by
Mark Kaye. *Passed.*

▶ **LIBRARIAN:** no report.

▶ **NATIONAL COUNCIL REP-
RESENTATIVE:** Brian Hunter was
our National Council Rep. He
reports that National is forming a
Board. There is a lot in interacting
with the schools by Mary Lou
Whitehorne. The RASC will not
commit time for volunteers. There
was also a discussion on fees.

▶ **EDITOR:** no report.

▶ **AUDITOR:** Doug Angle was the
auditor. Doug reports that there
was an additional \$331.00 in bank
but not reported on paper suggests
to show adjustment for the amount.
Also reports that the Capital
Equipment list is not included. This

will be included for the 2013 Year.

▶ Centre Elections

▶ **Secretary:** Kim Hay

Motion 2012111905. Moved by
Susan Gagnon, seconded by
Mark Kaye. *Acclaimed.*

▶ **Librarian:** David Maguire
Acclaimed.

▶ **Editor/Webmaster:** Walter
MacDonald. *Acclaimed.*

▶ **National Council Represen-
tative:** Vacant. The next National
Council Meeting is March 2013.

▶ **Auditor:** Doug Angle.

Motion 2012111906. Moved by
Brian Hunter, seconded by Mark
Kaye. *Acclaimed.*

▶ Adjournment

Motion 2012111907. Moved by
Brian Hunter that the President's
Report be amended to include any
additional information to the end of
the year. No seconder, no dissent.
Passed.

Motion 2012111908. Moved by
Susan Gagnon and seconded by
Doug Angle to Adjourn the AGM at
20:03 pm. *Passed.* ★

...KC Officer Duties

...continued from previous page

- ▶ Start of month retrieve financial reports from national and redistribute to Board (< 1 hour).
- ▶ Enter all financial transactions into accounting program. Create monthly financial reports of Profit & Loss statement and Balance Sheet and forward to Board (< 1 hour).
- ▶ In consultation with the Board, order merchandise for resale (RASC Calendars, Handbooks, etc.) and sell.
- ▶ Monitor and participate in astro-chat and exec email lists.
- ▶ Issue cosigned reimbursement cheques for authorized expenses.

- ▶ Write a small article for *Regulus* newsletter about something (items for sale, donor thank yous, etc.) (1 hour).
- ▶ Bank deposits at our branch (1 hour).

IRREGULARLY:

- ▶ Participate in all Board Meetings (at least 3 per year, usually 2 hours).
- ▶ Dealing with national office (1 hour).
- ▶ Financial support for Fall'N'Stars when lead centre.
- ▶ Notify the Ontario Corporations Ministry within 60 days of any change in the Board Membership

composition.

FINANCIAL YEAR-END SEPTEMBER 30TH.

- ▶ Close off books, prepare year end report for Board (5 hours).
- ▶ Prepare year end books for Auditor (5 hours).

ANNUAL GENERAL MEETING:

- ▶ Present financial year end report for approval by membership (1 hour).
- ▶ Prepare and send in to National the Centre year end financial report (1 hour).

continues on next page...

...Torus

...continued from page 7

much as we could do. We suspect the coating itself is showing signs of distress and corrosion.

We think that for any more substantial improvement, the mirror itself will have to be stripped and recoated.

Other work done recently was the addition of the eastern deck addition (on the right) to make it safer to work around the telescope. Thanks again everyone. It was fun!

Rose-Marie: 'Twas interesting seeing the process, and nice to have a chance to socialize a bit while working on a project.

Hank: You all rock, truly wish I could have been there but this was build the haunted house weekend.

Wow it sure looked dirty, did it seem to be just dust or was it actual stuck on grime? I don't imagine it was very often that anyone had gotten up looked in there and said, "Gee this mirror is getting a little fuzzy looking on the surface, maybe we should call the biology dept and have this stuff identified."

Susan: I also regret being unable to get to this event. I hate to miss these times as there are always plenty of things to learn. Thanks to the cleaning crew...

Kevin K: I've relocated all of the torus material to:

📄 kingston.rasc.ca/secure/torus/

in the members-only section as there is a lot of video in there now with audio of members. Don't remember the account info/password? Contact me off-list and I'll send it to you.

In any event, we have a lot of video from the rasc kc videocam (until the battery died), with the videos being compressed 10x from the original. Still they are quite large: on the order of 180MB for 30 minutes. Also as others send images to me and/or the list, I'll add them in as well.

The time line is fairly up to date now as well. ★

Volunteer Hours

Kevin Kell

THE CENTRE maintains a log to record all volunteer hours by Centre members, including preparation for, and the running of, meetings and events.

The table below is a year-to-year summary for the last six years. ★

Year	Hours
2012-2013	742
2011-2012	569
2010-2011	493
2009-2010	624
2008-2009	1053
2007-2008	776

...KC Officer Duties

...continued from page 9

Kevin Kell

- ▶ Prepare and send in Canada Revenue Agency financial report (2 hours).
- ▶ File all reports with the Corporate records of the centre (1 hour).

EARLY JANUARY:

- ▶ Prepare and mail out CRA tax receipts and thank you letters to all previous calendar year donors. (5 hours). ★

Canadian Supernova!

Hot of the presses from Abbey Ridge Observatory—congratulations Nathan (age 10 and 33 days younger than his sister's record)!

"G. Nathan Gray (age 10) of Greenwood, NS, Canada and D. J. Lane of Stillwater Lake, NS, Canada report their discovery of an apparent supernova (mag about 18.0) on an unfiltered image taken with a 0.36-m f/5.5 Schmidt-Cassegrain telescope+CCD taken on 2013 Oct 30.1791 UT. Its presence was confirmed by the discoverers at 2013 Oct 31.001 UT and by Doug Rich, Hampden, ME, USA at 2013 Oct 31.095 UT. The apparent SN is located at R.A. = 18h3m24s.59, Decl = +70°13'30.6" (equinox 2000.0), which is about 3" east and 7" north of the nucleus of PGC 61330.

ATM Project Available

Kevin Kell

BARNEY THE PURPLE TELESCOPE is approaching 14 years old and is in need of some renos. This Dobsonian telescope is a 20cm (8") f/4.5 (focal length = 1400mm = 36") and was built by the Centre's ATM Group in 1999.

The issue is the bottom mount: it is coming apart and needs a rebuild/redesign. The legs are foldable and in the end they tend to pinch skin way too easily. The wood on the legs is bent and it is coming apart as well.

You can find the original manual (a 2.5MB PDF) here for more info: kingston.rasc.ca/Secure/Manuals/barneymanual.pdf

Would anyone like to volunteer to build a new lightweight stable mount for the scope? You would have the original to take measurements from (for the scope's bearing sizes and clearances) and the Centre would cover the supplies cost (less than about \$50). ★



Kevin Kell (both)

Nothing is visible at this location on images taken many occasions in the past two years (all limiting mag fainter than 18). Nothing is present on Digitized Palomar Sky Survey images."

The discovery is subject to spectrographic confirmation (by a monster telescope!) to determine its type before it is given an official designation by the IAU CBAT. Hopefully that will occur within a few days. ★

Abbey Ridge Observatory