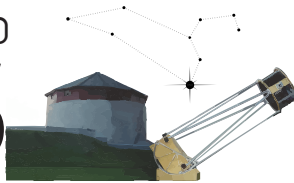


Regulus

Summer 2020
RASC Kingston Centre



Upcoming Meetings

Join us at our next Kingston RASC Meeting ONLINE, second Wednesday of the Month.

- **Sept 9th, 2020 - Paul Gray from RASC Halifax will be talking about Observatory Construction**
- **Oct 14th, 2020**

Email Kingston@RASC.com for a ZOOM invite (note we are working on a email list for members to get notification invite for meetings).

President's Tidbits

Kim Hay

Welcome back from our summer vacations! I certainly hope everyone had a chance to see the Comet NEOWISE (C/2020 F3) in July. It is currently starting September at magnitude 9. The skies are getting darker earlier so Planetary observing with Jupiter and Saturn are at its peak, and early morning (a great time to observe) gives us Mars which is high in sky in the morning. Venus joins the morning sky at mag -4.23 along with the winter constellations.

Welcome to our new members from over the summer, Kevin Wenkoff, Francesco Ambrogi, Gordon Sawa.

We have met over the summer online weekly during our ZOOM socials. There have been about 15-18 members per week, and some we have not seen in awhile, it was nice to see you. It has been a great way to keep our social aspect going, and find out what is going on in our Astronomy world with show and tell, images, observatory tours and telescope views.

We are still living in our COVID 19 world with restrictions slowly coming off, but still not enough to warrant group events. Queen's University though open to students are limited and classrooms are still closed to the public. The Queen's University Open House on Saturday's are still not open to the public. Though they are holding Trivia Nights on Wednesday as well. We will be holding our Reg-

ular Monthly meetings online using our ZOOM account.

We do not have any planned group events, including our Annual Christmas dinner. However, the Lennox & Addington Dark Sky Site is open for the public. There are circles two metres apart to setup the equipment with social distancing. The North Frontenac Dark Sky Preserve is also open for public observing along with social distancing safety precautions in place.

Our Centre meeting night has changed to coincide with our weekly socials, so Wednesday is our new Regular meeting nights. Our meetings are open up to the public and we will be inviting the rest of the RASC membership via the RASC Rascals list. We will be having guest speakers, and are busy lining them up. We will be setting up our Regular meeting as registered meeting, which you will be sent a link. This link will be sent to all members, and posted on our various platforms FB Group, RASC Kingston Centre Twitter @AstroKingston, and on our website. The weekly social is only sent out to our Centre email list and members, so a bit more private. See the meeting ZOOM announcement in Regulus. Please join us for a couple of hours of live chats!

Our Annual Meeting is coming up on Wednesday November 11, 2020, so in this Issue will be the minutes from Notice of Meeting, Agenda, 2019 Annual Meeting



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Minutes and Duties for the positions up for election. Since we are not meeting in person, we will be doing an online vote for our motions and elections.

Come have some social time with your fellow members and be there in video stream since not in person.

Kim Hay

Old Stock Focuser



For many years I had a single 2 inch tube with a 1.25 inch adapter. The tube was threaded so it could be moved in and out with a twist. Most of the time this was not necessary as the loading of the eyepiece was the time for focusing. I would chose an appropriate target and move the eyepiece in and out until it was focused. It was repeated with each eyepiece switch. This was perfectly acceptable when the main target was searching for deep sky objects. I seldom used less than a 32mm lens. I live in the suburbs, and a slightly larger field of view suited my searches in my skies.

Then I retired!

New Holes Drilled



I was spending more time in the observatory and working on different targets. Serious lunar crater hunting and dabbling in variable stars lead to my using more of my

eyepieces and switching from 14 mm and 14 plus a barlow to 32 and 55mm meant that I spent more time than I wanted twisting that barrel to get things focused. Plus there was no way to keep a target in the FOV with all this wrenching.

I shopped online for several months after thinking about it for years. I settled on the Antares, 2 inch, 2 speed with linear bearings. I chose this because it had the promise of smooth action and the fine focus knob that I thought I would really enjoy with lunar features and sorting less than magnitude 13 stars in AAVSO charts.

I was also able to order it from an Ontario company, Ontario Telescope and Accessories. I email ahead and asked them what the dimensions of the base plate were for the model for 10inch scopes and up and they were quick to send me a couple of diagrams that allowed me to confirm that the base plate was as big as or bigger than my old one. Perfect. I ordered it on July 27 and

requested expresspost and during lunch of the 29th it arrived.

By 15:00 I had finished the installation. I did not play with the collimation as I wanted to see how bad it was with a real life target before I messed with it. A quick check on the evening of July 30 showed little if any collimation needed. However there is some work to be done in the balancing of the OTA as the old focuser was 224g and the new is 827 grams! With shipping and taxes this upgrade was \$285.08 and well worth it. The fine focus is wonderful.

New Focuser In Place



Assembly tips: Tape holds the bolts and washers in place since it would be easier to set all 4 corners up at the same time, bolt head/little washer/base plate/larger washer/tube. The inner washers and nuts were easily added as a last step. Although it is not easy or advisable to use tools inside the OT, I did find it safer and very useful to take the socket of the ratchet set and use it alone to give me a better purchase on the inner nuts.

Kingston RASC Facebook Page & Group

Join us on Facebook!

Page

[facebook.com/rasckingston](https://www.facebook.com/rasckingston)

Group

[facebook.com/groups/681409686039729/](https://www.facebook.com/groups/681409686039729/)

Kingston RASC YouTube Channel

Check out some of our videos about astronomy

<https://www.youtube.com/channel/UCFF-jyftqHUeQwsVMh99fXQ>

Official RASC Canada YouTube Channel

Learn about Astronomy from some of Canada's Top Astronomers and join in on Live Stream Videos via chat to ask questions about all things space related!

<https://www.youtube.com/user/RASCANADA>

Anonymous - Donation Thanks

While your donation through Canada Helps is anonymous that does not mean we value it less.

Thank you!

For anyone donating

through Canada Helps, your tax receipt for a charitable donation will come from them as there is no information transferred to us, only the money.

Treasurer - Susan Gagnon

RASC-KC Board of Directors

President:	Kim Hay
Vice President:	Laurie Graham
Secretary:	Kevin Kell
Treasure:	Susan Gagnon
Librarian:	Kim Hay
National Council Rep:	<i>vacant</i>

Committee Chairs/Coordinators

Email Lists:	Kim Hay
Equipment:	Kevin Kell
Fall'n Stars	<i>vacant</i>
KAON:	<i>vacant</i>
Social Convenor:	Kim Hay
Tardis Project:	Kevin Kell
Webmaster:	Walter MacDonald
Regulus Editor:	Graeme Hay

Submit your Astronomy Content

(Astro Articles, Photos, Sketches, Observation Reports, Etc.)

Email Kingston@RASC.ca

“Regulus” mentioned in the Subject line!



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Balancing New Larger Focuser on a DOB

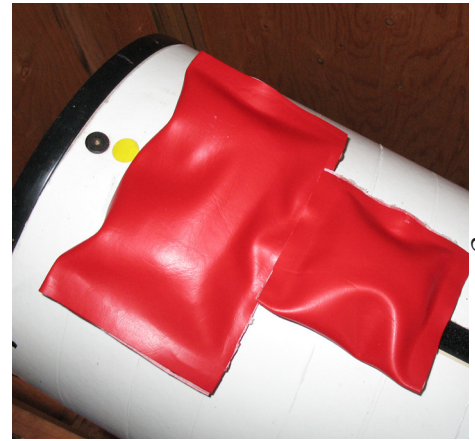
Susan Gagnon

When a larger focuser was installed on my 10inch Dob, I found the balance was greatly affected. The new focuser weighs over 600 grams more.

I had some vinyl remnants from a previous project along with some aliquots of fine iron pieces (~2.5 lbs worth) so I decided to make some counter weights for the

tube. The inner surface of the vinyl has a textured fabric finish so I could use a glue gun to make the little envelopes for the iron packets.

I used double sided tape to fix velcro to the tube and the packets as the glue gun glue will not hold to the shiny side of the vinyl. I split the iron into 3 aliquots for some flexibility.



New Counter Weights Installed

Kevin Kell

Image Storage Thoughts

At one time in my photography career, I had maybe 2 or 3 metres of shelf space with negatives and positive slides. They were also quite heavy. Some years ago I purged them all, scanning those that had value and tossing the rest.

Today, with astroimaging, I am finding similar dilemmas of space being used, although now it is digital space in the form of spinning harddrives.

Decades of photography have led me to Rule 1: Always save the originals. And until recently that is what I have been doing. But no longer.

Let's take a walk through of one evening of imaging Jupiter.

Over the course of just one hour I would take a series of ultra-fast images, but thousands of them for each 120second run. Each run was stored as an .avi or .ser video file. With the new zwo asi290mc camera, with its 1936*1096 resolution, it is effectively a 2 megapixel sensor. And with a 120 second exposure the file size is approximately 10 GB.

Yes, 10 GigaBytes.



Taking a 2 minute run, then waiting 1 minute (for downloads, drive catching up, jupiter rotation, etc), I might get in 60/3=20 runs that hour, if nothing went wrong. 20 runs * 10GB = 200GB.

Hmmm. The original spinning hard drive was a 500GB but it was to slow. So I upgraded to a

128GB Solid State Drive (SSD). You may note that there is not enough room on the SSD (maybe 100GB if I am lucky) for the 200GB one hour run.

So I wrote a script that would start to move the files off the SSD, across the network, and into the house file server (a linux box with 4TB of drive space). This typically worked well. Even better now that the 128GB SSD has been upgraded to a 512GB SSD :)

So, once on the network drive, I would start processing: PIPP to crop and autocentre the images, Autostakkert! to stack and save out the best 5%, 10% and 25% as a single image, then Registax to apply wavelet processing.

Back to the original imaging. I use a "ROI" Region of Interest setting on the camera to crop down to the object I want to capture, ie Jupiter. Depending on the telescope, barlow, etc, the actual size in pixels of the image varies from say 200-300 pixels. If I set the ROI at say 350 pixels, I would get a much smaller final file size. But the issue then becomes, how good is your tracking? Typically I have bad tracking (and



no autoguiding), and if the object goes out of the field of view, the entire run has to be discarded (well not really but salvaging it involves a lot more work).

So.. I typically set the ROI to around 700-900 pixels. Once inside PIPP, I downsize that to maybe 400 or 500 pixels. The PIPP saved image is often only 25% that of the original and, *pay attention here*, is of the same quality (lossless) as the original.

I would also then save the PIPP file, the original file and then the derived/process images (palttry by comparison). In the discussion on the email list these past two

weeks, I think I am ready to save myself a lot of room, and more large drive purchases, by *deleting* the original 10GB file and saving only the PIPP processed 2.5GB file, and all of the subsequent processed single images.

Fine and dandy you might say... but why did you not to that from the start? Well.. software is not perfect. And once I decided to go down this road, I carefully looked at what PIPP put out... and it turned out, sometimes there were *problems*! Gasp! Who would have thought? PIPP would sometimes miss the target, not centre it correctly, cut it off, etc.

So the new processing routine is:

- 1) Save the original large file source
- 2) process it through PIPP to reduce the video file size
- 3) *inspect* the PIPP file and if and only if OK, *delete the original large source file
- 4) continue on with Autostakker! and Registax processing.
- 5) when done, move the PIPP still fairly large video file off the network file server and onto an internal 4TB astroimage archive drive
- 6) automatically (nightly) the 4TB archive drive gets backed up to an external 4TB USB drive (a western digital Mybook).

Out of a nominal one hours imaging of 200GB, a derived 250GB of files that needed to be stored (and on a 4TB drive that is only 32 sessions!), only 50GB is needed, a x5 extension on the available space.

Now I can also go back in time and storage space, looking for the originals, the PIPP produced files and again delete and recover more space from the past, not just from going forward!



Minutes of The RASC-KC Remote Zoom Regular Meeting of Thursday 2020 May 14th

The second Regular Meeting since the onset of the COVID-19 pandemic, was held remotely with the Zoom videoconferencing software and started at 19:00 EDT. This was using our own Zoom account.

The guest speaker was Phil Groff, Executive Director of the RASC, from his home in Toronto, Ontario.

22 people were in virtual attendance.

Kim Hay at 19:01 EST and welcomed everyone. Introductions of the members of the Board took place.

The guest speaker Phil Groff then launched into his presentation. He described the:

- * organizational structure of the RASC – approx 5000 members

- * office staff: Phil-Executive Director, Renata - Accounting Manager, Adela - Memberships and Admin, Eric - Marketing and Communications, Jenna Youth Outreach

- * Statement of Operations

2019 Revenue Budget \$772,909 2019 Year End \$826,152, 2020 Budget \$938,121

2019 Expenses Budget \$874,113 2019 Year End 943,322, 2020 Budget 920,060

- * enhanced online outreach with zoom videoconferencing during pandemic times

- * described the Dorner Donation for the Dorner Telescope Museum and a short video of Normand Fullum, a telescope maker based in Quebec

He talked about the Sierra Remote Observatories RASC remote telescope, near Auberry, California, East south east of San Francisco on the Sierra Mountains, Shed #9. Three types of membership to access the telescopes and use the data from them. Fees range from \$100-300/year.

Kim thanked Phil and we moved onto the rest of the regular meeting.

Rick Wagner presented Whats Up in the Sky for May and some of June.

Steven Craig presented his latest galaxy images including NGC4388, NGC4440, NGC4519, , NGC4571, NGC5364, NGC5560/66/69, NGC5584, NGC5774/75, NGC6070, NGC4567/68, M61, NGC3643, and finally the Moon. Histarget list includes about 150 galaxies in Virgo.

Mark Kaye presented a live tour of his observatory.

Rick Wagner presented images including M61, NGC3683, NGC4568/67, and an animated compilation of DSLR images from inside the observatory.

Kevin Kell showed the images from the allskyPi camera project.

<Continued>

Brian Hunter reported on his satellite observing on May 4/5 with 184 satellite passes with 37 of them Starlink satellites.

Mark Deslaurier showed images of the Ghost of Jupiter from April and M51 and other deep sky objects.

Hank Bartlett showed his solar images from April showing a lot of prominence detail, along with Venus images.

Kim Hay reminded people that we are now hosting a weekly social remote videoconference on Wednesdays at 7pm edt for about an hour. Feel free to drop in and chat.

The meeting adjourned at 20:50 EDT.

Keep in touch with us by email, our website, facebook, and twitter (details at the top).

Email: kingston@rasc.ca

Website: kingston.rasc.ca

Facebook: www.facebook.com/rasckingston/

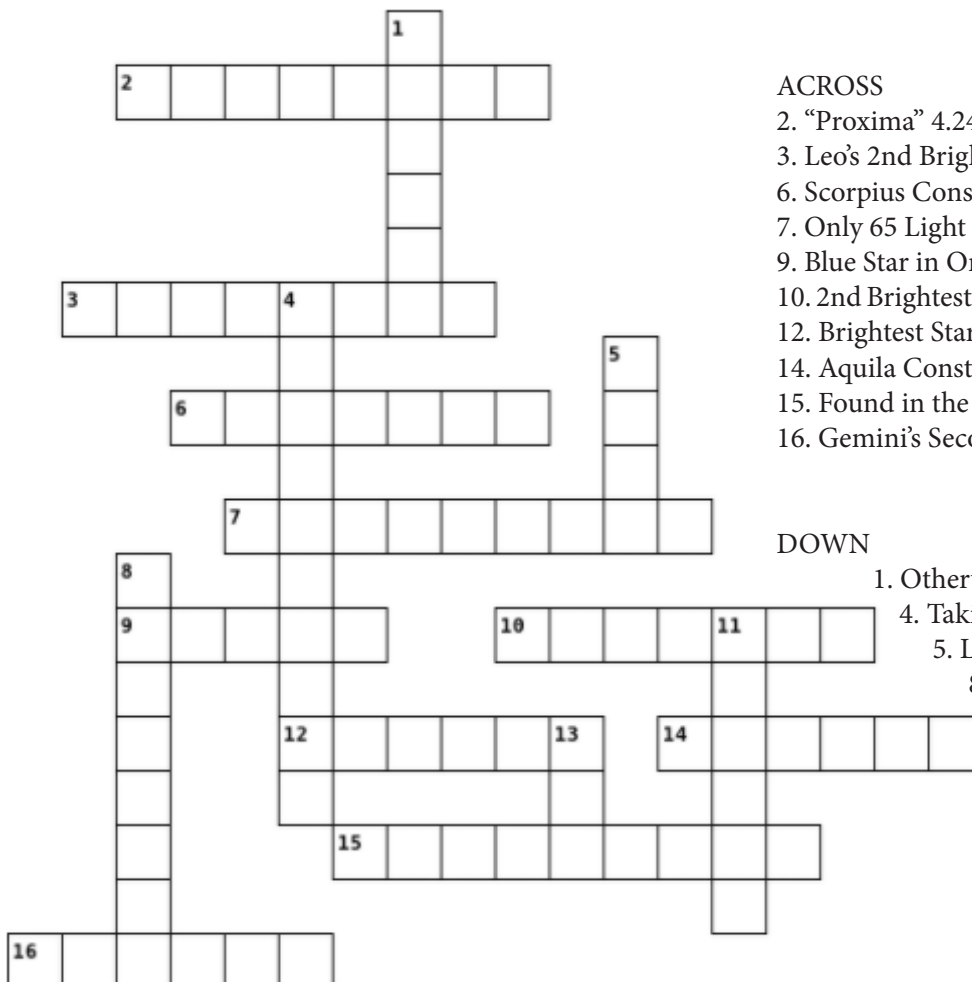
Twitter: [@astrokingston](https://twitter.com/astrokingston)

Kevin Kell, Secretary of The RASC Kingston Centre

revision 20200729-0500

AstroCross:

Stars with Names



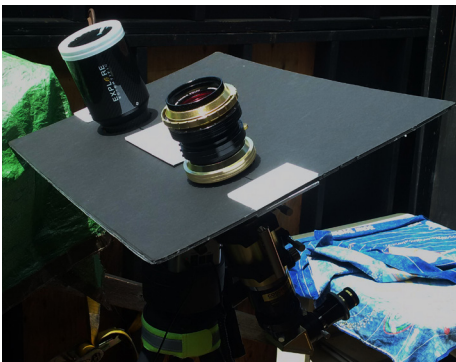
ACROSS

2. "Proxima" 4.244 light-years away, lets go!
3. Leo's 2nd Brightest
6. Scorpius Constellation's Bright Star
7. Only 65 Light Years Away
9. Blue Star in Orion
10. 2nd Brightest star, found in the Southern Hemisphere
12. Brightest Star in the Night Sky
14. Aquila Constellation
15. Found in the "Southern Fish"
16. Gemini's Second Brightest Star

DOWN

1. Otherwise known as "Lamba Velorum"
4. Taking bets on if it explodes "soon"
5. Lyra Constellation
8. #4 in Brightness
11. Has a "Twin" in its Constellation
13. Closest Star to Earth

After baking in the sun for 13 years now I finally decided to build a solar shade for my Mini Tower II solar double scope mount. The week of July 5th to 11th had been so unbearably hot, it had become a chore rather than a pleasure to observe and image the Sun. On Sunday morning I remembered there was some foam core board in the kid's craft stuff in the house so I took some measurements and headed in. All I really needed was the diame-



ter of the two scopes and the space between in order to cut the holes and split the sheet so it could be slid together in top and bottom halves. I decided to cut a lower 1/3 and upper 2/3 so that the main weight and shade would be upper portion. This way the mere friction of the assembly should hold the bottom section in place seeing as it would never be completely vertical. The plan was to use glue stick glue and stick tabs on the lower portion at the edges and on the upper portion in the center, as you will see in the images. I was ready to go, design and measurement done!

I decided to use white foam core as it would be reflective on the hot side therefore decreasing heat strain on the glue. With great anticipation I transferred the measurements to the sheet, then skillfully using a drywall knife I sectioned

the sheet and cut the appropriately measured holes for the SolarMax III 70mm and the Explore Scientific ED80CF. Always, measure twice cut once, this has always been my practice and generally works for me but then I am 68 now and prone to "Duh". I took the 2 pcs prior to any gluing out to the RHA Observatory for a test fitting and was I surprised! the space between the two scopes was about 3" short (frickin frackin WTF). How could I make that big of a mistake, easy, when you do an inside measure with a tape read the measure and then ADD the 3" for the tape, oh DUH!

Plan B, make a black (only colour we had left) foam core shade and hope the glue holds by using some of the white foam core to make the tabs thus reducing the heat on the glue. Draw line & circles on the black, ya that shows up well. Blade in hand I cut again and headed out to the RHA, "Eureka, it fit"! Back inside, cut the tabs, glue in place, another test fit (placement is in a ribbed area



of the #2 Etalon to prevent the shade from flopping around), near perfection. To celebrate I got the dsr and did some more imaging and all worked great, the camera is cooler, I can see the camera screen clearer and I am cooler. What took me so long to do what should have been (if I had not screwed it up) a 20 minute job.

New rule... Measure THREE times, build once!

Hahahaha.



I am not a serious astrophotographer. My goal is to set up my camera in some fashion that will allow me to take a few pictures while concentrating on my time at the eyepiece.

The current options available with the Canon EOS Rebel T7i are a maximum exposure time of 30 seconds and a maximum number of exposures of 10, or use the movie feature and treat frames as individual exposures. I have no experience with using the movie feature for this purpose so I will leave that to others.

So what would make my project more fun? I wanted a cable release to limit shake and I wanted to set up the camera for more exposures in a run.

I checked out a Canon Intervalometer and decided that to spend more than \$200 on something that was not really an observing priority was not a good idea. My shopping led me to the JJC TM Series Intervalometer. There are several versions available and 2 types for Canons depending on the nature of the jack that your camera accepts. I was not interested in a wireless version. Shopping included various YouTube demos. I had to order it through Amazon as I could find no Canadian distributor. With shipping etc my price



came to just under \$38 Canadian. It arrived within 2 days, shipped from Burlington.

There are few instructions required but they were easily understood. The device also has a nice timeline schematic for functions. The table below covers the basics which seems a lot like other inter-

valometers.

The buttons are 'squishy'. It does not feel like an expensive piece of equipment. But for the price and for the amount I think I'll use it, it should be good. If all you want is a 39-inch cable release you can even leave the batteries out and it still triggers.

Icon	Function	Settings	My test run
Self	Delay	0sec to 99 hrs +	10 sec
Bulb	Exposure time	Up to 99hours +	30 sec
INTVL	Time between exposures	Must be \geq Bulb	31 sec
No.	Number of exposures	1 to 399	5

All 8 Planets in One Night - Late September

Rick Wagner

Late Sep gives us a chance to see all 8 major planets in one night.

The biggest challenge will be to see Mercury (mag -0.1) low in the bright twilight sky very soon after sunset (if you don't bag this one you can give up on the-- challenge and get on with other observing.) It will be about 25° left of the Sun. Try this challenge on the 18th or 19th when the very thin crescent Moon may help guide you to Mercury (5.5° down and left of the Moon on the 18th, 12.5° down and to the right on the 19th.) For an additional challenge see if you can catch mag 1 Spica about 3° left of Mercury. Binoculars will be very helpful in pulling both of these objects out of the twilight. The attached finder chart shows the scene at 19:30EDT,

although most of the stars will be invisible. The circle in the middle of the chart is 6° in diameter, roughly the field of view of many binoculars.

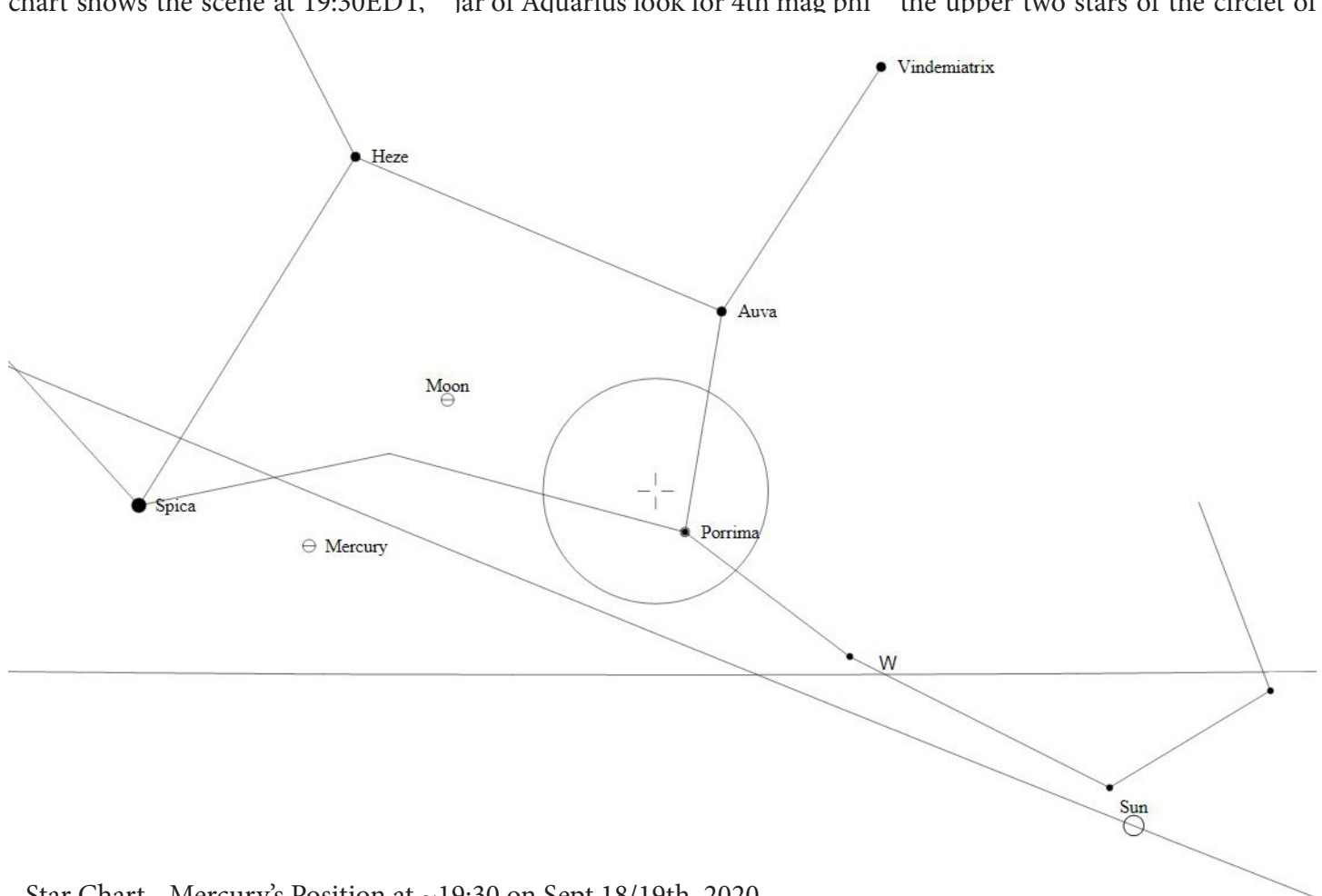
Jupiter and Saturn will be obvious almost directly south by the end of nautical twilight about 20:15EDT, quite bright and both slightly yellowish white. Steady binoculars will show Jupiter as a disc with 2-4 of its Galilean moons in a line either side of it. Saturn may show a slightly elliptical shape in larger binoculars.

By 22:00 it will be dark enough to find Neptune, the only one that definitely will require optical aid - a pair of binoculars will suffice. About 14° SE of the water jar of Aquarius look for 4th mag phi

Aquarii, then go 1.7° ENE to find Neptune. See if you can detect its bluish colour - easier in a telescope. There are several stars of similar brightness in the area so you'll want to use the included finder chart.

Very bright reddish Mars also will be well up and obvious in the ESE. It is by far the brightest object in the sky in that direction and its fire-light glow is diagnostic. Mars is getting nearly as large as it ever appears in our sky - well worth a detailed look in a telescope. Look for the small bright white dot that is its south polar cap.

Uranus is about 15° left of Mars and about 1700x fainter. It forms a nice isosceles triangle with the upper two stars of the circlet of



Star Chart - Mercury's Position at ~19:30 on Sept 18/19th, 2020

Cetus, labelled mu and xi. If you have good eyes and a good sky you should be able to see it with the unaided eye but binoculars will make it much easier and may make its greenish colour noticeable. Again, you'll want to check the attached finder chart.

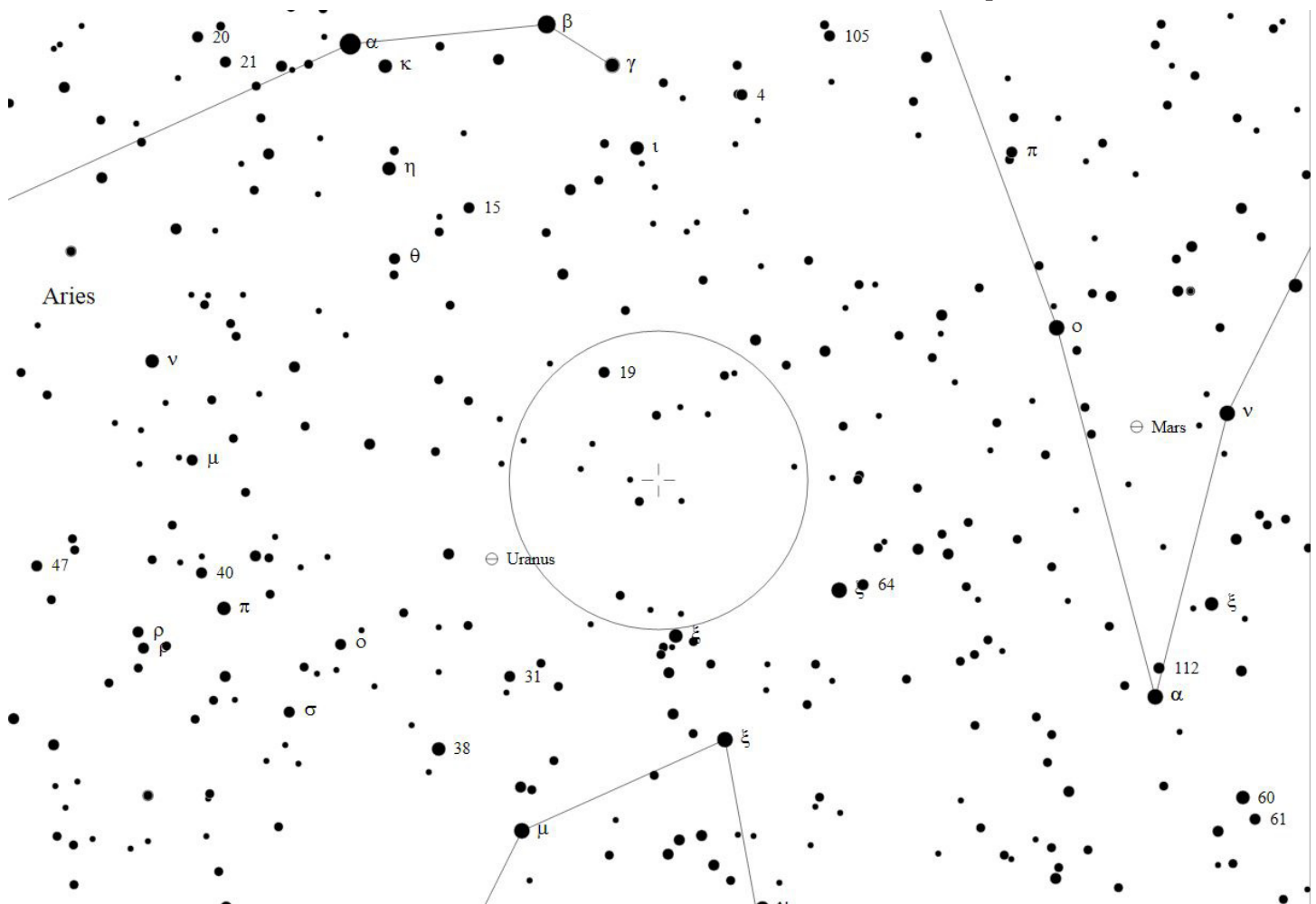
Finally close out the night, or greet the new day, with very bright white Venus rising in the ENE about 03:30EDT, sitting on the front paws of Leo the Lion.

And that makes seven. Oh, yeah, don't forget to look down to see the eighth major planet and the only one on which humans have ever walked.



Above: Neptune's Location at 22:00 Sept 18/19th, 2020

Below: Uranus Position at 23:00 Sept 18/19th, 2020



Last post for awhile... have to go outside and enjoy the cooler weather before the 30+C hits again.

Again on the weekly social two weeks back I noted that the allsky1pi camera sensor displays the sensor temperature on the image and that in the heat wave sunny days, was exceeding 50C.

This was not good. So I found some screened louvered 1" vents and installed them in the main housing, with silicon sealing to prevent water from getting inside (remember the previous build powered

by 120VAC and many cms of water inside!) As it has turned out, I do not see a difference in temperature.

So onto stage 2.

A powered fan. Not sure if it will be blowing in or sucking out yet. These are small apertures of only 1" so I have not imagined how to fit a fan inside to do anything useful. I am now thinking of an external 12vdc computer power supply fan, powered by a 2watt s12vdc solar panel mounted to the observatory, with a housing that leads to a 1" flexible tube that can be "plugged" into the lower vent. We'll see how



that progresses today as well.

Notice of Annual General Meeting

The November Regular Monthly Meeting includes the AGM

The Royal Astronomical Society of Canada - Kingston Centre

Annual General Meeting Wednesday 2020 November 11th, 7pm EST

via Zoom videoconference

Register for the meeting here (this is a unique meeting link, please use your real name):

You are invited to a Zoom meeting.

When: Nov 11, 2020 07:00 PM Eastern Time (US and Canada)

Register in advance for this meeting:

https://zoom.us/meeting/register/tJctdu6pqj8sH-dGvkxaQH7xkJe6bJupMOp_v

After registering, you will receive a confirmation email containing information about joining the meeting.

Voting will be done within the zoom environment

AGENDA

1. Welcome. Notes on videoconferencing and voting procedures (rasckc members only, show of hands in 12

video or participation windows)

2. Approval of Agenda

3. Approval of 2019 AGM minutes

4. Approval of Secretarys Annual Report

5. Approval of Treasurers Annual Report (including auditors report)

6. Centre Elections:

- Secretary

- Librarian

- Editor

- NC Representative

7. Election of Auditor

8. Questions regarding other published reports: President, Vice President, Librarian, Editor, NC Rep, Webmaster, Equipment Loan,

9. Adjourn with thanks

2019 Annual General Meeting of The RASC - Kingston Centre
Macintosh-Corry Hall Room D216, Queen's University, Kingston
Thursday November 14th, 2018 7pm

1. Welcome

President Rick Wagner welcomed everyone to the meeting. Because of the weather and travel circumstances of our guest speaker from Montreal, the AGM start time was pushed back until after the guests' presentation. The AGM started at 20:40 EST.

2. Presentation and approval of Agenda. Moved by Bruce Elliott to accept the Agenda as presented . Carried.
Motion AGM2019-01

3. Approval of 2018 AGM minutes -Copies of the 2018 Draft AGM minutes had been circulated. Moved to accept by Secretary Kevin Kell. Carried. Motion AGM2019-02.

4. Annual Reports:

President Rick Wagner gave a short report on the social and outreach activities of the year.

Secretary Kevin Kell read out the half page report on the status of the Centre, with the remainder of the report an edited version of the monthly meeting minutes that were circulated after each monthly meeting in 2019. Two corrections were made to names mentioned in the report. Moved by Kevin Kell to accept as revised. Carried.

Motion AGM2019-03

Treasurer Susan Gagnon presented the Financials and read her report. Copies were on hand for members. The Auditors report as presented by Michael Bird which indicated all was good.

Moved by Susan Gagnon that the Financials and Auditors report be accepted as presented. Carried. Motion AGM2019-04

Librarian Kim Hay read out her report.

NAC Representative Rick Wagner gave his report

Editor Walter MacDonald no report.

6. Centre Elections: (nominees must be a member in good standing, be at least 18 years old, be mentally competent and cannot be bankrupt).

President – no nominees or volunteers

Vice President- no nominees or volunteers

Treasurer – Susan Gagnon Acclaimed (2 year term) Carried Motion AGM2019-05

Editor- no nominees or volunteers

NC Representative- no nominees or volunteers.

The remaining Board consists of: Treasurer Susan Gagnon, Secretary Kevin Kell, Librarian Kim Hay.

The Board will ask for volunteers or nominees going forward and make appointments as needed. At a minimum we require a President, Secretary and Treasurer.

7. Appointment of Auditor – Stephen Craig acclaimed. Carried Motion AGM2019-06

8. Adjourn with thanks Motion to Adjourn by Susan Gagnon. Carried at 21:33 EST Motion AGM2019-07

Kevin Kell, Secretary The RASC Kingston Centre

Revision 2019115-0800

Board of Director terms are currently set to two years

DUTIES OF THE SECRETARY:

- Take minutes of Regular Monthly Meetings and send to the Editor for inclusion in the newsletter.
- Take minutes at Executive Board Meetings (minimum of three executive meetings a year)
- Send out “Thank You” letters to guest speakers
- Update Executive and Members’ Manuals.
- Create Centres Annual Report for approval at the AGM And send to RASC national office when due
- Send welcome letters to new members listed in the RASC national reports
- participate on the Executive

DUTIES OF THE LIBRARIAN:

- Maintain an up-to-date list of library books.
- House the library. While this has been the custom in recent years, it is not a mandatory duty if you can find another secure location.
- Procure new additions to the library that may be used by members.
- participate in Board meetings (minimum of three executive meetings a year)

- participate on the Executive

DUTIES OF THE EDITOR:

- Solicit material for the newsletter.
- Produce the Centre’s newsletter, Regulus, using the software of your choice. Ideally 10 issues per year will be produced (monthly, except for July and August).
- participate in Board meetings (minimum of three executive meetings a year)

- participate on the Executive

DUTIES OF THE NATIONAL COUNCIL REPRESENTATIVE:

- Participate in National Council Meetings (approx 4 per year)

- Participate in Board meetings (minimum of three executive meetings a year) and convey information both ways

- Participate in Regular Monthly Meetings to notify members of items of interest

- participate on the Executive

DUTIES OF THE AUDITOR

“11.1.1 At every annual meeting the Centre shall elect an auditor to hold office until the end of the next annual meeting. The auditor shall conduct an audit of the Centre’s financial records and shall express an opinion on the annual financial statements to the members of the Centre. The auditor shall not be a member of the Council.”