THE EVENT HORIZON

HAMILTON AMATEUR ASTRONOMERS EST. 1993

Volume 34, Number 3 / November 2026



FROM THE EDI…

A reminder that you can now place classifieds for private equipment sales in the EH. As always, submissions to the EH are very welcome – especially photos for the member's gallery! Send all submissions to the email below. That's all from me (as Editor).

Kevin Salwach,
editor@amateurastronomy.org



…CHAIR

Almost the end of the year already. Winter is almost upon us, but the weather recently has been uncharacteristically warm, so hopefully we can all take advantage of these long nights with some nice, bearable temperatures, before those nasty sub-zeros start to hit!

(*continued right*)

First off, our public night on October 23rd at Bayfront was a great success! The skies stayed clear, and several club members made it out with their scopes to show off the Moon and Saturn to dozens of passersby at Bayfront. A big thanks to all those who volunteered.

Also a big thanks to everyone who submitted photos for this year's calendar. The deadline has passed, and all submissions received will be voted on by the selection committee this week. Join us at our meeting on the 13th, where Chris Szaban and Simon Peng will give us a preview of the calendar and showcase all of your great photo submissions. Calendars will be available for sale at our December meeting. Final price will be announced on the 13th, and will be included in the December EH, as well as an email update, so stay tuned.

Our garage sale at the October meeting was also a success, with many members taking home odds and ends and new pieces of equipment that the club had for sale.

(*continued on page 2*)

IN THIS ISSUE: Chair's Report, Classifieds, Bright Near-Earth Objects, The Sky This Month & More!

CHAIR'S REPORT (continued) *KEVIN SALWACH*

That cleared out most of our remaining surplus equipment. We have a few scopes left for sale, one of which is included in this month's EH (see page 6), and another in next month's edition. We frequently come into possession of used, donated equipment from members, as well as members of the public looking to get rid of telescopes or accessories – usually from a relative or friend – they have no need for. The club tries wherever possible to use such equipment for our loaner scope program or to give away to club members via door prize or raffles, especially at our Christmas social, but oftentimes we find ourselves with some good equipment that just won't work for the club's needs. When that happens, we offer it up for sale to members, and will now be posting advertisements in the EH, as well as on a club run Astro Buy & Sell account to offer to the public for purchase. All funds raised by selling surplus equipment go to club needs – yearly insurance costs, new A/V equipment, charitable donations such as BASEF, and wherever possible, new and better suited equipment for our loaner scope program. This past month, we have used such funds from the garage sale and our previous equipment auction to add a Seestar S50 smart scope to the loaner program. It is now available for loan to members, so contact Jeff Parsons @ loanerscope@amateurastronomy.org to get details and put your name down (it will no doubt have a waiting list until we can get a few more smart scopes!). Also available in the program are three 8" Skywatcher dobsonians, a 5" Celestron SCT, an 8" Celestron SCT, and a National Geographic 102mm StarApp refractor. All are available to members to borrow, so please take advantage of them, whether you are a new member looking to learn how to use a scope, or a long time member looking to try something different!

Our Astro101 group has also received interest from a lot of newer members. We usually try and get 10-12 participants minimum, and need just a few more before we can confirm we are running it in the new year. Secretary John Gauvreau has ran the program for many years when demand for it arises, and has added a short blurb below on what new members can expect to learn, and how the program works.

We are also looking for monthly speakers for 2027. I have already sent out a few inquiries, but if you have ideas for someone you would like to have speak for us, have requests for what kind of monthly speakers you want to hear, or are interested in presenting yourself, feel free to reach out to me at chair@amateurastronomy.org.

Our December meeting will be held Friday, December 11th. Dwarflab will be speaking to us about their line of smart telescopes, exact speaker and details TBA. December is also our Christmas social, where following the main presentation, we have an extended social time afterwards with snacks and drinks for members to chat and have a good time! More details will be announced in the December EH.

That's all for this month, clear skies, and hope to see you on the 13th!

Kevin Salwach, Chair

MEMBERSHIP

New HAA memberships and renewals can be purchased in-person at our monthly meetings, or can be paid via PayPal on our website (link below). Perks of membership include access to our club loaner telescopes, our dark sky site at Binbrook Conservation Area, discounts on various astronomy-related gear and software, access to our extensive club library, and more. Membership is $40 for Individuals and $45 for Family.

https://amateurastronomy.org/membership/

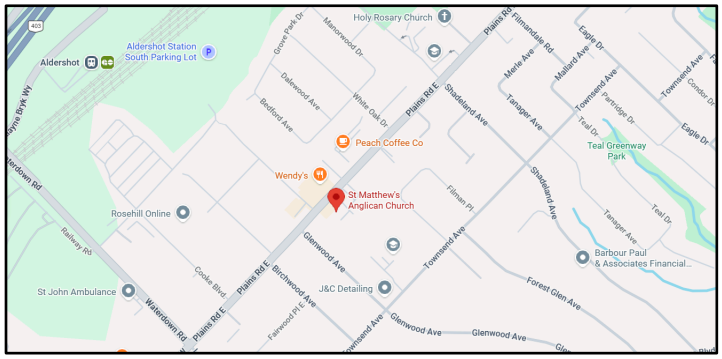
NOVEMBER MONTHLY MEETING

Our November monthly meeting will be held on November 13h at 7:30PM. Our speakers this month will be Chris Szaban and Simon Peng. As we do every November, they will be presenting the member's submissions to our annual calendar, showing off some of the great astrophotography from our membership, and giving the floor to individual photographers to share details on their images. The presentation is a preview of our club calendar, which will be available for sale at the December meeting.

The meeting begins with announcements at 7:30PM sharp, followed by the presentation. Following the conclusion of the talk, we will have a short intermission, followed by door prizes, and then the Sky This Month presentation by Observing Team Director Kevin Salwach.

Our monthly meetings are hosted at St. Matthew's-on-the-Plains Anglican Church in Burlington Ontario, 126 Plains Road East, L7T 2C3. Entrance to the church meeting hall is at the back of the building near the shed. Doors open at 7:00PM and the meeting begins promptly at 7:30. HAA monthly meetings are open to the public free of charge.

Zoom link to meeting will be posted to our website and Facebook page.



St. Matthew's Church is an accessible venue, with accessible parking available close by to

the hall entrance.

Our monthly meetings are held on the second Friday of every month from September until June at 7:30PM, in a hybrid format of in-person and online via Zoom.

Masthead Photo: Lunar Occultation of Jupiter by Chris Szaban

Taken October 6th 2026

We are always accepting contributions and submissions for our monthly Event Horizon newsletters. Almost any form of astronomy related content is gladly accepted, such as astrophotos, equipment advertisements for sale (members only), brief articles on a unique astronomy experience, trip, photo, or event, full articles on anything astronomy, astrophysics, or space science related, and anything in between. Email submissions to ***editor@amateurastronomy.org***



The HAA accepts donations from members and guests for local food banks at each monthly meeting. We accept both non-perishable and cash donations. We greatly value our relationship with food banks in our community, particularly Hamilton Food Share. If you cannot make an in person meeting, please consider donating directly to a local food bank, all help is greatly appreciated!

HAA LOANER SCOPE PROGRAM

The HAA proudly runs a loaner scope program for club members, included in your annual membership dues. Our loaner program allows members who do not have a telescope of their own to borrow a club telescope to begin enjoying the night sky up close and personal, experiment with different types of scopes, and familiarize themselves with new types of scopes, eyepieces and mounts!

The club offers several different telescopes for loan, from beginner to advanced, depending on your level of knowledge and expertise, as well as a wide array of accessories to go with them.

If you are a member and interested in borrowing one of our telescopes, please contact Jeff Parsons at:

loanerscope@amateurastronomy.org

Telescopes are loaned out on a first come, first serve basis. More information can be found on our website:

https://amateurastronomy.org/telescope-loaner-program



Check out the HAA website: https://amateurastronomy.org

General information: *secretary@amateurastronomy.org*
Membership information: *membership@amateurastronomy.org*
Education information: *education@amateurastronomy.org*

CLASSIFIEDS

For Sale: Meade ETX-125AT UHTC Maksutov-Cassegrain Telescope — $500 CAD

Well maintained and in excellent condition. The motherboard has been replaced recently. This is a powerful planet killing 5-inch GoTo telescope featuring Meade's Ultra-High Transmission Coatings (UHTC) for exceptional image brightness and contrast on planets, the Moon, and deep-sky objects.

Included in the Package:

- Optical Tube Assembly: 125mm (5") Maksutov-Cassegrain with UHTC optics and built-in flip-mirror system

- Fork Mount & Base: Dual-axis motorized mount with an integrated equatorial wedge for polar alignment and astrophotography

- #497 AutoStar Hand Controller: Computerized handbox with GoTo database and motorized tracking

- #884 Deluxe Field Tripod: Sturdy adjustable aluminum heavy-duty field tripod with accessory tray

- Accessories: Finder scope, dew shield, dust cap, original instruction manuals, and the Meade soft carrying bag

Price: $500 CAD. Local pickup in Hamilton, Ontario. Shipping available at buyer's expense.

loanerscope@amateurastronomy.org

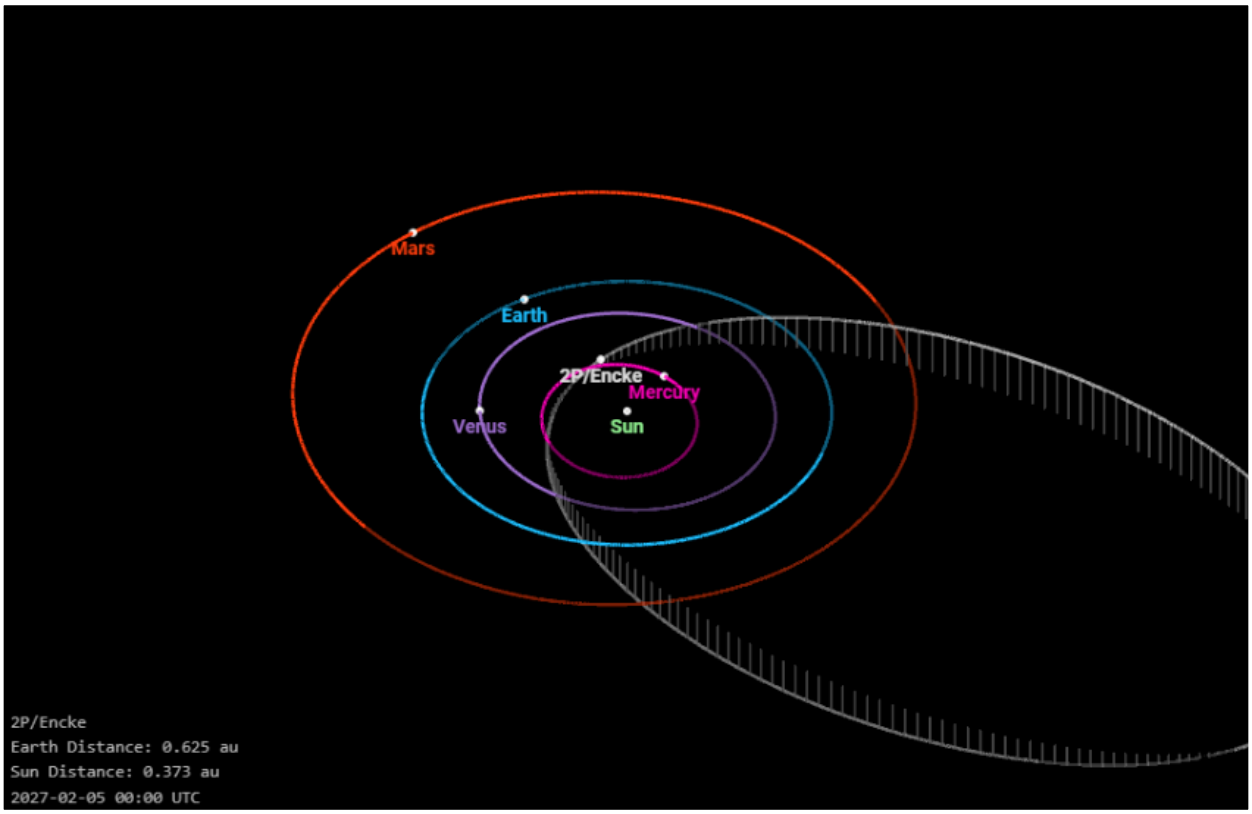




COMET ENCKE RETURNS

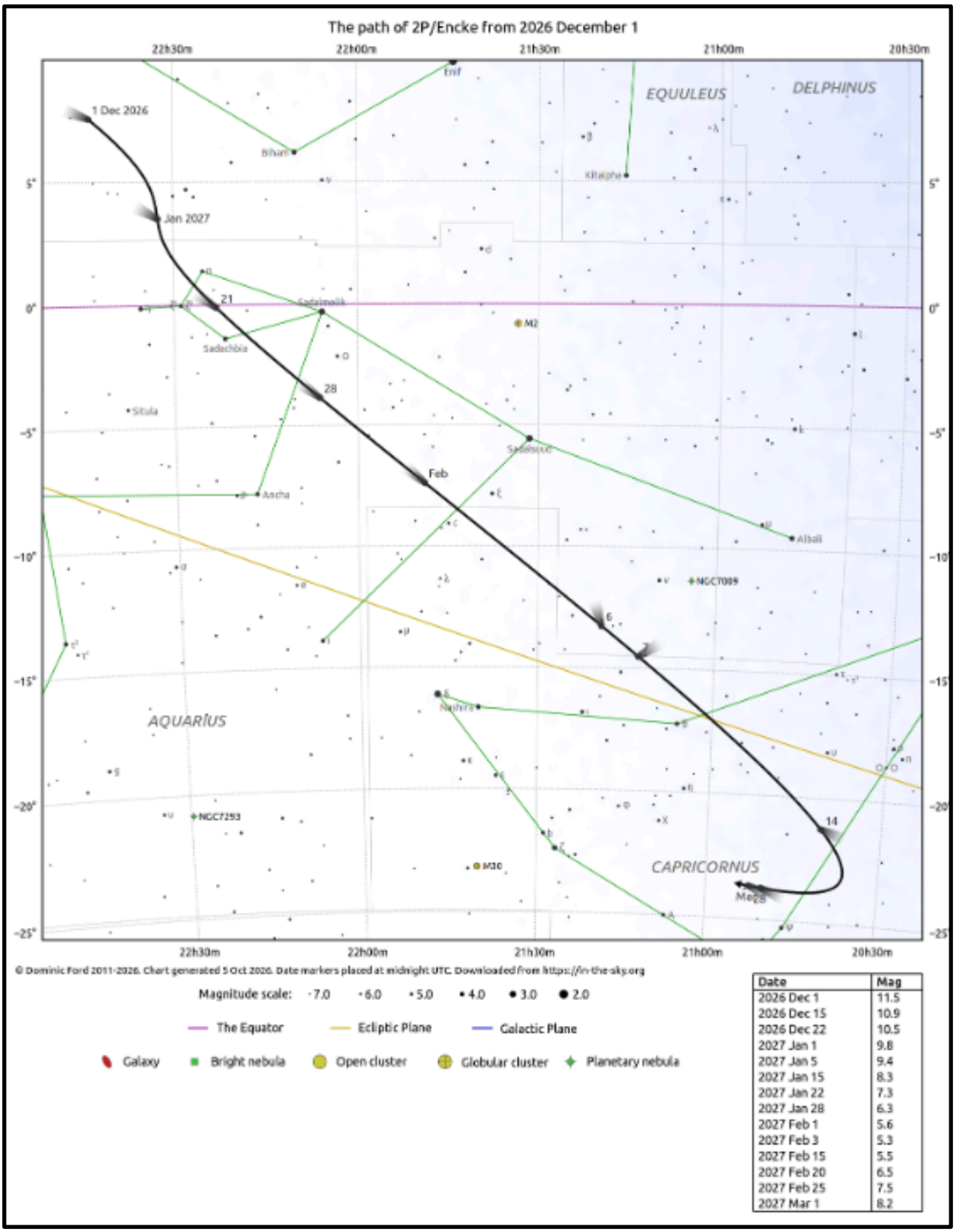
RAYMOND BADGEROW

This year marks the 63rd return of the venerable 2P/Encke. With an orbital period of 3.3 years, it is a frequent visitor to the inner solar system. The current appearance is favorable for the northern hemisphere, returning on February 10th, 2027. The incoming comet starts out the year 3.75 AU from the Sun and 4.2 AU from the Earth. On March 15th, we see it behind the Sun, entering the morning sky in June as it moves slowly from Aquarius to Pisces. By August, it begins to enter its westward loop heading towards Pegasus in the evening sky, coming within 1AU of the Earth on October 5th, followed by opposition on October 11th. The comet crosses the Earth's orbit on December 29th as a 9th magnitude object. The climax of this appearance occurs in January, as it enters Aquarius in the SW evening sky, steadily brightening before entering the evening twilight on January 25th. Closest approach is February 3rd (0.625AU) followed by perihelion on February 10th just 10 degrees from the Sun. The next appearance in 2030 is highly favorable for the southern hemisphere with a close approach on July 12th (0.274AU). Observers in the northern hemisphere have to wait until 2036 for a highly favorable apparition in the evening sky.



COMET ENCKE RETURNS

RAYMOND BADGEROW



Date	Mag
2026 Dec 1	11.5
2026 Dec 15	10.9
2026 Dec 22	10.5
2027 Jan 1	9.8
2027 Jan 5	9.4
2027 Jan 15	8.3
2027 Jan 22	7.3
2027 Jan 28	6.3
2027 Feb 1	5.6
2027 Feb 3	5.3
2027 Feb 15	5.5
2027 Feb 20	6.5
2027 Feb 25	7.5
2027 Mar 1	8.2

Astro 101 – The Club's Beginner Group!

Wondering which end of the telescope to look through? Wondering which end is even supposed to point at the sky? Then Astro 101 is for you! Astro 101 is a series of fun, friendly, casual (and interactive!) online sessions aimed at the absolute beginner, who might be new to the club or new to the hobby.

- The HAA hosts Astro 101, where we talk about things like how to use a telescope, what is in the sky to look at, and how to find your favourite celestial sights.

- The sessions are interactive and casual. This means that everyone is encouraged to participate, ask questions, offer input and just talk if you want to!

- Some experienced club members will guide us through some interesting topics, but it's not a lecture where you just sit and listen. We are all in it together!

- This is a great way to get to know the hobby and your fellow club members.

Maybe you have some insight to share with your fellow club members. Beginners can learn a lot from other beginners. And if there is a special topic you want to talk about, let me know and we will schedule it in. We will begin in the new year and get together online about once every two weeks. Maybe we can even get together in person sometime (ooh, hands-on show-and-tell!) We will have enough sessions to get us through to late spring, and then we hope to finish with an observing session! If this sounds like something you would like to participate in just get in touch at:

secretary@amateurastronomy.org

And we will put you on the list. Then you will get emails with links to the online sessions. Please feel free to get in touch if you have any questions. Hope to see you there.

John



BRIGHT NEAR EARTH OBJECTS

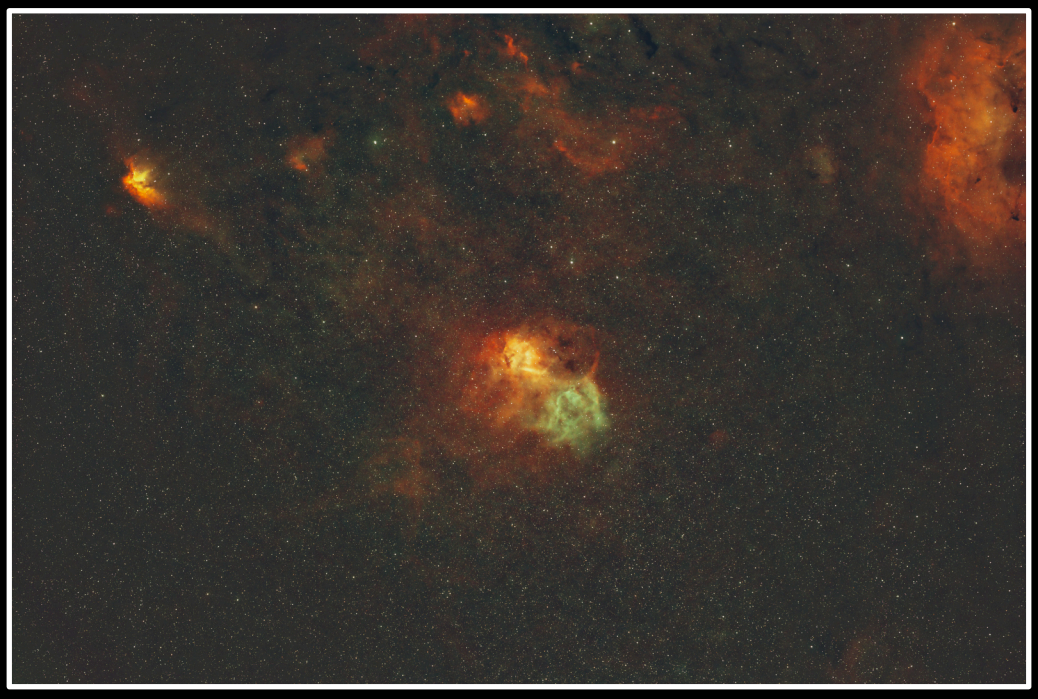
RAYMOND BADGEROW

It will be 2 years before the asteroid Apophis makes its close approach to Earth, becoming as bright as 3rd magnitude. Using publicly available data from the JPL Small Bodies Database and the Horizons ephemeris, I assembled a comprehensive list primarily of Apollo asteroids, with some Aten and Amor objects as well. I will discuss these in more detail in further articles next year.

Object	Date	Distance(au)	Magnitude
4953(1990 MU)	June 6,2027	0.03083	9.5
137108(1999AN10)	August 7,2027	0.00261	10
153814(2001 WN5)	June 26,2028	0.00166	6.8
35396(1997XF11)	October 28,2028	0.00621	8.5
99942 Apophis(2004	April 13,2029	0.00025	3*
1917 Cuyo	October 6,2030	0.08966	10
2061 Anza(1960UA)	September 27,2035	0.05639	11.7
66391 Moshup(1999KW4)	May 25,2036	0.01553	9.5
613403(2006GB)	March 24,2037	0.01244	11.3
1036 Ganymed	October 16,2037	0.4662	9.5
1943 Anteros(1973EC)	May 27,2038	0.06767	10.9
16960(1998 QS52)	June 14,2038	0.063	9.5
136618(1994 CN2)	October 20,2038	0.03762	11
158957(2004 LJ1)	November 16,2038	0.01983	8.9
2102 Tantalus(1975 YA)	December 27,2038	0.04460	9.9
5143 Heracles(1991 UL)	July 10,2039	0.05775	11.1
4954 Eric(1950 SQ)	October 11,2041	0.2109	10.8
99248(2001 KY66)	July 12,2042	0.066	11.9
136618(1994 CN2)	August 6,2042	0.02442	11.9
1627 Ivar(1929 SH)	August 6,2046	0.17748	10.4
4769 Castalia(1989PB)	August 26,2046	0.02508	11.4
1862 Apollo (1932 HA)	November 13,2046	0.03529	11.5
162162(1997 DB7)	February 28,2048	0.00654	11.7
1943 Anteros(1973 EC)	May 20,2050	0.06363	10.8
1620 Geographos(1951 RA)	August 23,2051	0.04788	11.1
231937(2001 FO32)	March 22,2052	0.02433	10.8
33342(1998 WT24)	December 10,2054	0.01436	11.7
3752 Camillo(1985PA)	February 15,2055	0.08632	11.0
433 Eros	January 24,2056	0.14978	6.8
3122 Florence	September 2,2057	0.04996	8.9
4953(1990 MU)	June 8,2058	0.02309	9.3
138095(2000 DK79)	November 8,2058	0.06593	11.7
1866 Sisyphus	November 18,2058	0.115329	10.3
4660 Nereus(1982 DB)	February 14,2060	0.00801	10.7
7358 Oze	September 16,2060	0.1250	12

BRIGHT NEAR EARTH OBJECTS (cont.) RAYMOND BADGEROW

Object	Date	Distance(au)	Magnitude
134657(2003 QO104)	May 10,2062	0.0451	11.9
7882(1991 CS)	August 31,2065	0.02498	10.5
2340 Hathor(1976UA)	October 21,2069	0.0082	11.4
66391 Moshup(1999 KW4)	May 26,2071	0.01752	9.7
154276(2002 SY50)	October 30,2071	0.00877	9.6
1866 Sisyphus	November 24,2071	0.1158	9.6
163243(2002 FB3)	April 13,2072	0.04629	11.8
164121(2003 YT1)	April 29,2073	0.01103	9.5
163243(2002 FB3)	April 13,2074	0.03078	10.8
1627 Ivar	August 4,2074	0.1407	9.6
143404(2003 BD44)	April 14,2075	0.01954	10.8
163243(2002 FB3)	April 13,2076	0.02084	10.2
385343(2002 LV)	August 4,2076	0.01705	10.8
31669(1999 J76)	December 14,2076	0.02699	11.9
163243(2002 FB3)	April 13,2078	0.01905	9.7
52768(1998 CS2)	April 16,2079	0.01185	7.3
136849(1998 CS1)	January 20,2080	0.02424	11.8
163243(2002 FB3)	April 13,2080	0.02633	10.6
613403(2006 GB)	March 23,2081	0.0104	11.9
163243(2002 FB3)	April 13,2082	0.03940	11.4
1862 Apollo(1932 HA)	May 12,2082	0.03331	11.4
3671 Dionysus	June 18,2085	0.02800	11.1
164121(2003 YT1)	November 2,2085	0.04012	10.7
33342(1998 WT24)	December 6,2085	0.03498	12
2340 Hathor(1976 UA)	October 21,2086	0.0061	11.3
69230 Hermes (1937UB)	October 31,2086	0.02440	12
415029(2011 UL21)	June 25,2089	0.01782	9.1
1566 Icarus	June 16,2090	0.045	11.4
144332(2004 DV24)	September 12,2092	0.05256	8.3
4183 Cuno	December 31,2092	0.1085	11.3
433 Eros	January 31,2093	0.18426	7.8
153201(2001 WO107)	November 30,2093	0.00830	9.0
3200 Phaethon	December 14,2093	0.01982	9.4
35396(1997 XF11)	October 29,2095	0.015	10.2
3752 Camillo	February 16,2097	0.09241	11.6
33342(1998 WT24)	December 18,2099	0.01264	10.5



The Lion Nebula by Chris Szabn
Rokinon 135mm and ASI2600MC Pro camera on a Celestron SLT



NGC1491 by Chris Szaban
Celestron NexStar 6SE with reducer and ASI2600MC Pro Camera





Lunar Occultation of Jupiter by Chris Szaban
October 6th 2026



THE SKY THIS MONTH

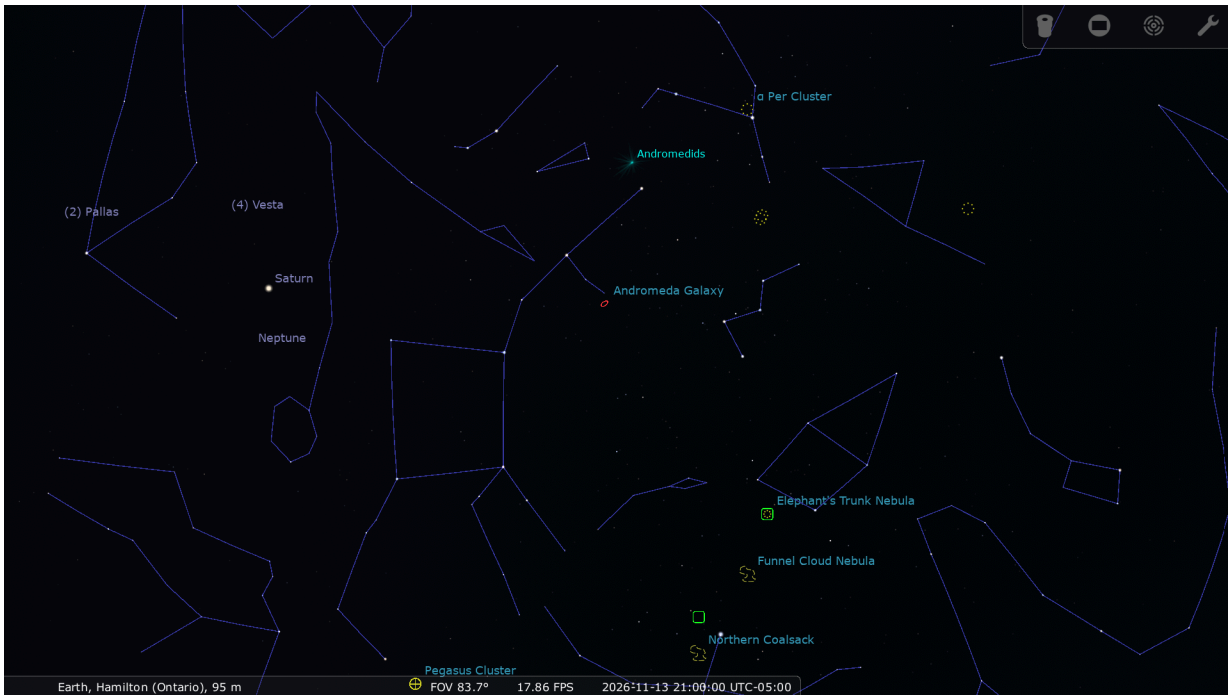
KEVIN SALWACH

Happy November. The final stretch before winter, with long nights and cold air. But plenty of time for us stargazers to get out under the skies before those nasty sub-zero temperatures come! Let's see what's happening in the sky this month.

Beginning with the naked eye sky at 9:00PM on the night of our meeting (November 13th), we can see the last vestiges of the summer sky sinking low in the west. ***Hercules*** and ***Aquila*** are now setting, with ***Cygnus*** and ***Lyra*** close behind them. By 11:00PM, the Summer Triangle is no longer visible, disappearing until the early morning later in the winter. Towards zenith, the fall constellations take their place of prominence, with ***Andromeda*** and M31 right overhead, circled around by ***Pegasus***, ***Cepheus*** and ***Perseus***. ***Pisces*** is close nearby as well, joined by ***Aries*** and ***Triangulum***. Looking east, winter is now upon us. The Pleiades in ***Taurus*** and Capella in ***Auriga*** are already well above the eastern horizon, with ***Orion*** beginning to rise along with ***Gemini*** and ***Eridanus***, all of which will be moving higher and higher as the night and the month progresses. In the south the water constellations of ***Cetus***, ***Aquarius*** and ***Piscis Austrinus*** are all placed prominently over the horizon, with ***Sculptor***, ***Fornax*** and ***Capricornu***s skirting low beneath them. Finally in the north, ***Ursa Majo***r reaches its lowest point of the year, dipping below the horizon, while ***Cassiopeia*** and ***Camelopardalis*** swing high over Polaris.



The night sky looking west at 9:000PM on Friday, November 13th *(continued on page 15)*



The night sky looking to zenith at 9:00PM on Friday, November 13th



The night sky looking east at 9:00PM on Friday, November 13th *(continued on page 16)*

Images generated using Stellarium

THE SKY THIS MONTH

KEVIN SALWACH

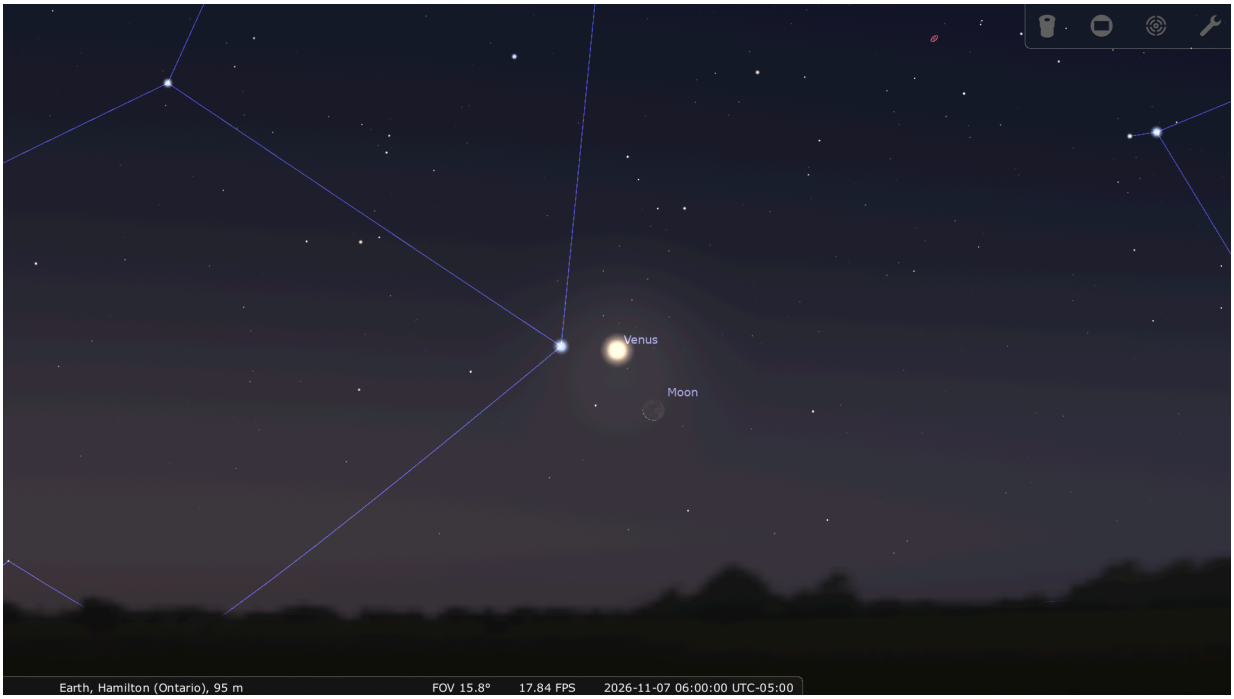
The Moon

The Moon in November starts off Last on the 1st, reaching New Moon on the 9th, First Quarter on the 17th, and Full Moon a week later on the 24th. The weekend of the 6-8th will give you your best moonless skies this month. Like last month, the Moon puts on another show for us this November:

- In conjunction with Mars and Jupiter on the mornings of the 2nd and 3rd after midnight
- Half a degree from Regulus as well after midnight on the 3rd
- A slim crescent in close conjunction with Venus and Virgo around 6:00AM on the 7th (!!!)
- A near occultation of the Pleiades low on the western horizon at 6:00AM on the 24th
- Another tight conjunction with Mars, Jupiter and Regulus in the early morning on the 30th

(continued on page 17)





The Moon, Spica and Venus at 6:00AM on November 7th

The Planets

Mercury is an early morning object this month, poking up above the eastern horizon immediately before sunrise on the morning of the 10th, rising at 6:00AM. It remains in the eastern sky as it turns back towards the Sun until the 29th, meaning you have a nearly three week window to try and catch some views of the inner planet.

Venus is also an early morning object in the east, as well starting to rise just before sunrise at 6:00AM on the 2nd-3rd. Passing within a degree of Spica on the 10th, it rises higher and higher as the month goes on, and lingers high in the east in the morning at an altitude of a little less than 20 degrees. It will remain a morning object all winter long and into April. This month, it is seen as a beautiful slim crescent, waxing for the rest of the year.

Mars and ***Jupiter*** both start as morning (or late night) objects, rising just after midnight at the start of the month. They make a close swing past each other from the 14th-19th in Leo, with their closest being a degree apart on the 17th. The continue to rise earlier as they move away from each other all month, and by December they will be dominating the late night sky until sunrise high in the south.

(continued on page 18)

THE SKY THIS MONTH

KEVIN SALWACH

Saturn is still visible for most of the night in Cetus, already being well above the eastern horizon at sunset, moving over to the west until setting around 4:00AM. With its myriad of moons, its rings are nicely spread at not-quite-edge-on at an angle of about 30 degrees, in my opinion the best looking position they show. For the intrepid planetary observer, asteroid ***4 Vesta*** remains close by all month as well in Cetus, only about 8 degrees to the southeast. ***Uranus*** spends the month very well placed in Taurus directly between the Hyades and Pleiades, while ***Neptune*** tracks with Saturn about 8 degrees to the west.

The Leonid meteor shower is active this month beginning on the 2nd until the end of November. They peak on the 17th at around 15 meteors per hour under a dark sky. The Taurids as well pea on the 4-5th (North) and 11-12th (South), each around 5-10MPH.

The Deep Sky

Finally, moving on to our deep sky, lets focus high above us in the fall-winter "transition" zone of Andromeda to Auriga.

Beginner Objects

NGC869/884 The Double Cluster – Mag. 3.8 – featured in September as well, perhaps the most famous open clusters in the night sky, this beautiful pairing in Perseus is visible to the naked under a dark sky, and in binoculars or a small refractor is one of the best deep sky objects the night sky has to offer with dozens of bright stars packed tightly together with significantly contrasting colors

NGC7789 – Mag. 6.7 – another big and bright open cluster in Cassiopeia, Caroline's Rose as it is known appears almost globular. A tight gathering of hundreds of stars of mostly the same brightness, at high power in a smaller scope the cluster fills the field of view, with a smattering of brighter foreground stars giving it a big, busy appearance

M52 – Mag. 6.9 – another Cassiopeia open cluster, this is another densely packed object centered around the 8th magnitude star BLL58. A gorgeous object in any scope, on particularly clear nights under dark skies, the "voids" in the cluster lacing stars appear surprisingly noticeable in a refractor at medium power

(continued on page 19)

Intermediate Objects

NGC925 – Mag. 10.12 – a famous "ghost galaxy:, this barred spiral in Triangulum is requires dark skies, some aperture and some patience. With low surface brightness, it is easy to miss, but in an 8" scope once you find it, using averted vision and high power you should be able to pick out its central bar and faint hints of its spiral structure

NGC1501 The Blue Oyster Nebula – Mag. 11.5 – even though it has a relatively low magnitude, even in light polluted skies it is easy to find and spot. The challenge comes in recognizing it as a planetary. Very small and compact with high surface brightness, in a medium sized scope at 200x, you will be able to pick out its irregular darkened center and bright outer shell.

NGC772 The Fiddlehead Galaxy – Mag 10.31 – this irregularly shaped spiral galaxy in Aries interacts with its far smaller, fainter neighbor NGC770. In a medium scope you will be able to make out its unique shape, while in a larger scope at high power, its spiral structure and interacting wisps come to life.

Advanced Objects

IIC805 The Heart Nebula – Mag. 6.5 – don't let the magnitude fool you, as astrophotographers know. A huge, sprawling HII region, it is easiest to pick out the nearby NGC896, before applying your O-III filter to work your way around the large 2 degree area of sky, trying to spot faint wispy tendrils of the larger nebulosity

Perseus A Group – this large grouping of 12th to 14th magnitude galaxies centered on the mag 12.5 NGC1275 is an exciting and challenging target. In an 8" or larger scope at over 200x, once you locate NGC1275, the "popcorn effect" takes place, where suddenly you begin to notice galaxy after galaxy as they enter your field of view. With some luck ands good skies you may see upwards of 20 faint fuzzies.

Caldwell 5 – Mag. 9.1 – known as "The Hidden Galaxy", C5 presents a challenge for even experienced observers. Spanning over 20 arcminutes, this spiral has such a low surface brightness it can be easily missed in even the darkest skies. Using an 8" or bigger scope, first find the general area of the galaxy at medium magnification, and spot the brighter, but still very diffuse core. From there, up the magnification to 120-150x and pick out the rest of the galaxy – you wont see any spiral arms even in a 16" scope, but you will see its faint, muddied, patchy structure.

Clear skies, and happy observing!

EVENT GALLERY

Public Observing at Bayfront Park
October 23rd 2026









The HAA is proud to partner with DwarfLab, one of the frontrunners in the smart telescope revolution currently taking over the stargazing scene. DwarfLab has generously gifted the HAA one of their Dwarf mini Smart Telescopes for club use furthering our mission of public outreach and education in the astronomy field.



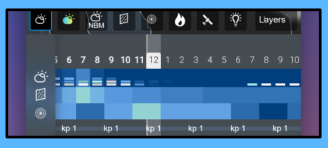
DwarfLab's smart telescopes are ultra-portable, app-controlled telescopes which fully integrate and automate astrophotography into one small package, allowing even the most novice hobbyist to start capturing stunning views of the universe, from shots of the Moon and planets to 4K deep sky images of nebulae and galaxies, eliminating much of the complexity in traditional astrophotography and allowing raw beginners sitting under light polluted skies a glimpse of the cosmos. HAA members enjoy a 6% discount on DwarfLab products through their club membership.



https://www.dwarflab.com

The HAA is proud to partner with Astrospheric, the premier weather forecasting app tailored specifically for astronomers and astrophotographers. Available on iOs, Android and web browsers, Astrospheric moves beyond standard forecasting to give data rich, hyper-local hour by hour breakdowns of sky conditions to allow for advanced weather prediction, giving stargazers all the weather and sky information they need to plan their next observing session. HAA members enjoy free mobile access to the AstroLite version of Astrospheric through their club membership.





UPCOMING EVENTS

November 13th, 7:30PM – November monthly meeting at St. Matthew's Church in Burlington.
Speaker: Simon Peng

December 11th, 7:30PM – December monthly meeting and Christmas Social at St. Matthew's Church in Burlington.
Speaker: DwarfLab (TBA)

January 8th 7:30PM - January monthly meeting at St. Matthew's Church in Burlington.
Speaker TBA

February 12th 7:30PM - February monthly meeting at St. Matthew's Church in Burlington.
Spekaer TBA



VOLUNTEERS NEEDED!

The HAA actively engages in a variety of public education and outreach programs across the Greater Hamilton Area and beyond. We give public and private presentations free of charge to many organizations such as libraries, campgrounds, Scouts, Girl Guides, and other non-profits. Presentations range from short beginner's lectures on astronomy related subjects to children's activities to public observing through club member's telescopes. Our Education Team Director Jo Ann Salci is always looking for helping hands at outreach events. If you are interested in volunteering, please email Jo Ann at:

education@amateurastronomy.org

HARVEY GARDEN MEMORIAL LIBRARY

The Harvey Garden Memorial Library is the HAA's collection of astronomy related books available for membership to borrow at monthly meetings. If you wish to help run the library, or donate to it, please contact Melanie Lebel at:

library@amateurastronomy.org

2026-2027 COUNCIL

Chair: Kevin Salwach
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Member's Services Team Director: Vacant

Observing Team Director: Kevin Salwach
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Education Team Director: Jo Ann Salci
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INQUIRIES AND CONTACT INFORMATION

Please direct general inquiries to:
secretary@amateurastronomy.org

Inquiries regarding meetings, partnerships and donations can be sent to:
chair@amateurastronomy.org

Inquiries regarding membership and membership dues can be sent to:
membership@amateurastronomy.org

HAA Mailing Information:
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KEEP AN EYE OUT IN YOUR EMAILS FOR BINBROOK PARK OPENINGS AND CLUB NEWS. CLEAR SKIES!