

Longmont Astronomical Society

January 2020

Volume 34, No 1, January 2020

NGC 253 by M. J. Post on December 17, 2019

ISSN 2641-8886 (web) ISSN 2641-8908 (print)

Next LAS Meeting Annual Banquet January 16, 2020 6:30 pm



DINE IN, TAKE-OUT, DELIVERY, AND CATERING!



The next meeting will be at the annual banquet on Thursday, January 16th at Pinocchio's Longmont, 210 Ken Pratt Blvd. #260. The event starts at 6:30 pm and runs until around 8:30 pm.

There will be a fixed menu of lasagna and chicken fettucini along with a cash bar. Dessert will be provided by Marty and Gayle.

Please pay on-line if you can. If you don't want to pay on-line, please let Bill Tschumy (email bill@thinkastronomy.com) know that you are coming so he can give an accurate head count to Pinocchio's.

The link to the item on our store is <https://longmontastro.org/Sys/Store/Products/26756>

From the President, Bill Tschumy

Just a reminder that nominations for next year's officers are now open. We will be holding elections at the Holiday Banquet in January. Right now I know of these vacancies that will need to be filled:

- Treasurer
- Secretary
- 1 Board Member-at-Large

If you are interested in these, or want to challenge another position, please let me know. I am willing to continue as President but if anyone else wants to do it I won't try to stop you.

Bill

2020 LAS Officer Positions

The terms of all LAS officers is only one year so each position is up for election each year. Please consider volunteering some of your time to support LAS by being a club officer in 2020!!

- President – determine meeting agenda, arrange for speakers, and lead meetings; make decisions regarding the club with the assistance of other officers and board members;
- Vice President – assist president and direct meetings if president is absent
- Treasurer/ALCor – handle club finances, receive payments, deposit funds and report financial status at meetings
- Secretary – keep notes for meetings; record any motions and votes at business meeting
- Board member-at-large (3 positions) – make various decisions regarding club policies and finances
- Webmaster - maintain club website (appointed by president)
- Newsletter editor - publish monthly newsletter of meeting, events, and member images (appointed by president)

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About LAS

The Longmont Astronomical Society Newsletter ISSN 2641-8886 (web) and ISSN 2641-8908 (print) is published monthly by the Longmont Astronomical Society, P. O. Box 806, Longmont, Colorado. Newsletter Editor is Vern Raben. Our website URL is <https://www.longmontastro.org>.

The Longmont Astronomical Society is a 501 c(3), non-profit corporation which was established in 1987. Our main goal is to promote local amateur astronomy. This is accomplished through regular monthly meetings, star parties and public observing sessions. Regular meetings are held every month (except December) on the third Thursday. The current location is at the First Evangelical Lutheran Church, 3rd Avenue and Terry Street, Longmont, CO. Meetings are open to the public and begin at 7:00 PM.

A broad spectrum of topics are covered at the meetings and include such things as deep sky observing, planetary imaging, narrow band imaging, equipment discussions and demonstrations just to name a few. These subjects are presented by both club members as well as special guests who are professional astronomers or experts in a particular field.



The Longmont Astronomical Society is affiliated with the Astronomical League (<https://www.astroleague.org>). The Astronomical League is an umbrella organization of amateur astronomy societies in the United States.



Newsletter Archives

January 2010

No LAS Newsletter was published for January 2010.

January 2000



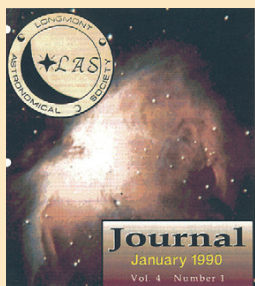
The LAS president for 2000 is David Street, vice president is Dave Larison, secretary-treasurer is Mike Hotka, ALCor is Paul Hale, and newsletter editor is Jim Sapp.

Michael Hutchinson gave a presentation about a previous total lunar eclipse with many great pictures.

Dave Larson showed us a video tape of scenes from star party at Sterling State Park, shots of planets, Mir passage and an Iridium flare.

Jim Sapp showed a video of sunspots, the moon, Jupiter, Saturn, and recent transit of Mercury.

January 1990



The LAS Annual banquet was held Dec 16 at the Budget Host Motel east of Longmont. Over 30 members and guests were in attendance. Bud Cohee, Bob Spohn, and Dave Street were presented with Certificates of Appreciation for their work for the LAS in 1989. Ed Lubow was recognized for his achievement in receiving the Messier award from the Astronomical League for viewing all 110 Messier object.

Officers were elected for 1990 year are president, Bob Spohn, vice president Dave Street, secretary Chris Schenbauer, treasurer Jennifer Getson, publisher Bud Cohee, editor Kevin Brose, ALCor Jim Welson, and the information contact Jim Getson.

A slide show "A Night in Astronomy" was presented by Jim Getson. Randy Cunningham presented a laminated Sky Almanac to all in attendance courtesy of AstroSystems. A cake marking the 3rd birthday of LAS was enjoyed by all. Special thanks to Bob Spohn for all his effort in staging a tremendously successful event.

Solar System Highlights

Mercury

Mercury is not visible this month.

Venus

Venus begins the month in constellation Capricornus at -4 magnitude in brightness and 13 arc sec across. It moves to Aquarius on the 11th.

Mars

Mars is visible before dawn in the constellation Libra. It magnitude +1.6 in brightness and its disk is 4.4 arc sec across. It moves into Scorpius on the 6th and then to Ophiuchus on the 14th. By the end of the month it brightens to magnitude +1.4 and disk increases in size to 4.8 arc sec across.

Jupiter

Jupiter reappears in the morning sky after the 14th. It is magnitude -1.9 in brightness and disk is 32 arc sec across.

Saturn

Saturn is not visible this month.

Uranus

Uranus may be seen in the evening sky around 7pm in constellation Aries. It is magnitude 5.8 in brightness and its disk is only 3.6 arc sec.

Neptune

Neptune is visible in the evening sky until the 12th when disappears into bright evening twilight. It is magnitude 7.9 in

brightness and its disk is 2.3 arc sec across.

Meteor Showers

The Quadrantid meteor shower are active from mid December to mid January. The peak is on Jan 3-4. About 30-40 per hour is typical from a dark location.



Comets in January

Comet C/2017 T2 (PanSTARRS)

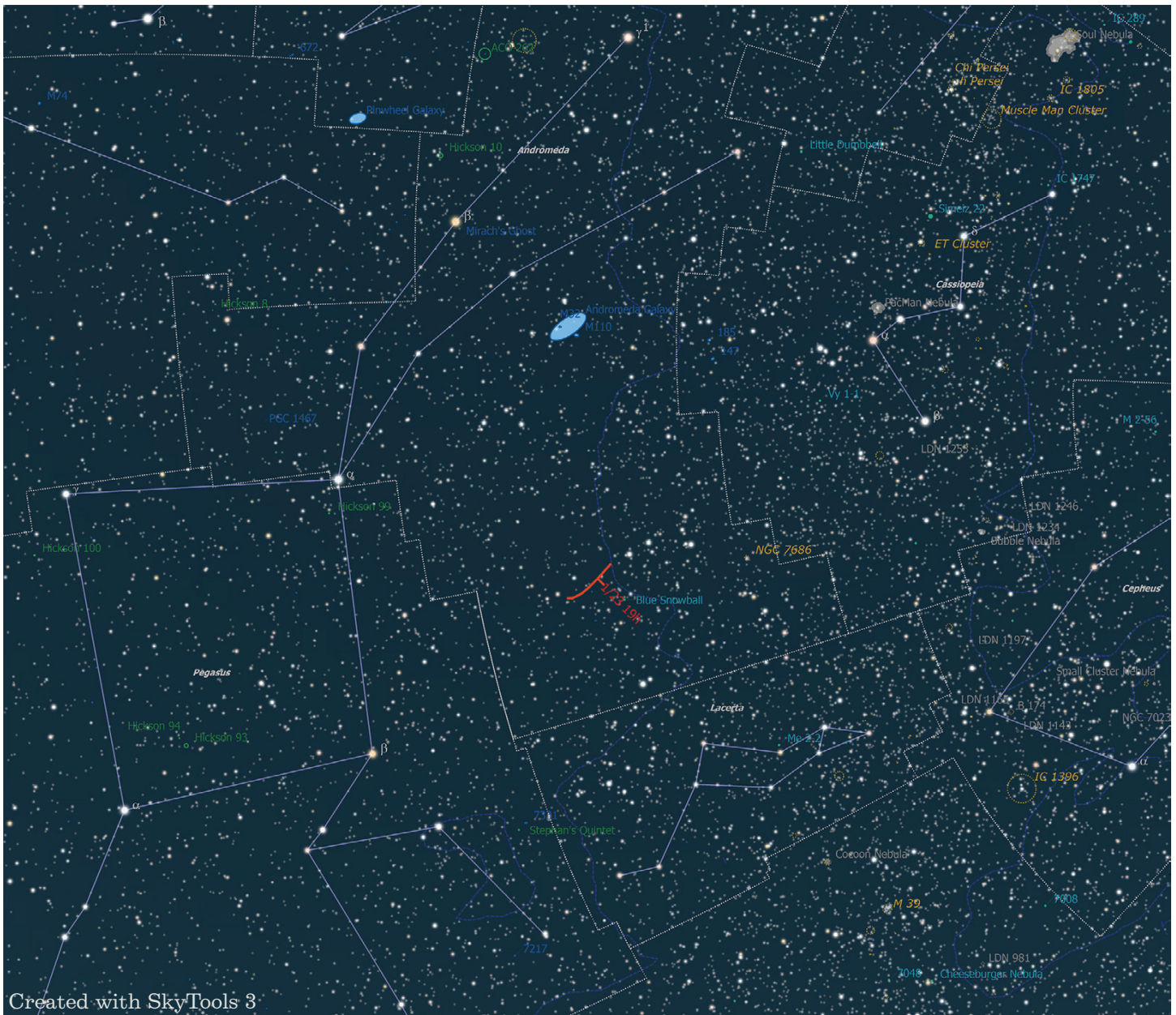


Comet C/2017 T2 PanSTARRS is now about magnitude 9.5. It will be at perihelion in early May 2020. The Panoramic Survey Telescope and Rapid Response System (PANSTARRS) is located at the Haleakala Observatory in Hawaii.

Date	Optimal time	RA	Dec	Brightness	Size (arc min)	Constellation
Jan. 1	08:35 pm	03h23m24.9s	+55°27'37"	9.6	1.8'	Perseus
Jan. 6	07:53 pm	03h08m37.6s	+56°08'03"	9.5	1.8'	Perseus
Jan. 11	08:19 pm	02h54m58.0s	+56°39'37"	9.5	1.8'	Perseus
Jan. 16	07:02 pm	02h43m02.5s	+57°04'11"	9.4	1.8'	Perseus
Jan. 21	06:50 pm	02h32m43.8s	+57°25'01"	9.4	1.8'	Perseus
Jan. 26	06:50 pm	02h24m13.1s	+57°44'28"	9.3	1.8'	Perseus
Jan. 31	06:53 pm	02h17m30.9s	+58°04'45"	9.2	1.7'	Perseus

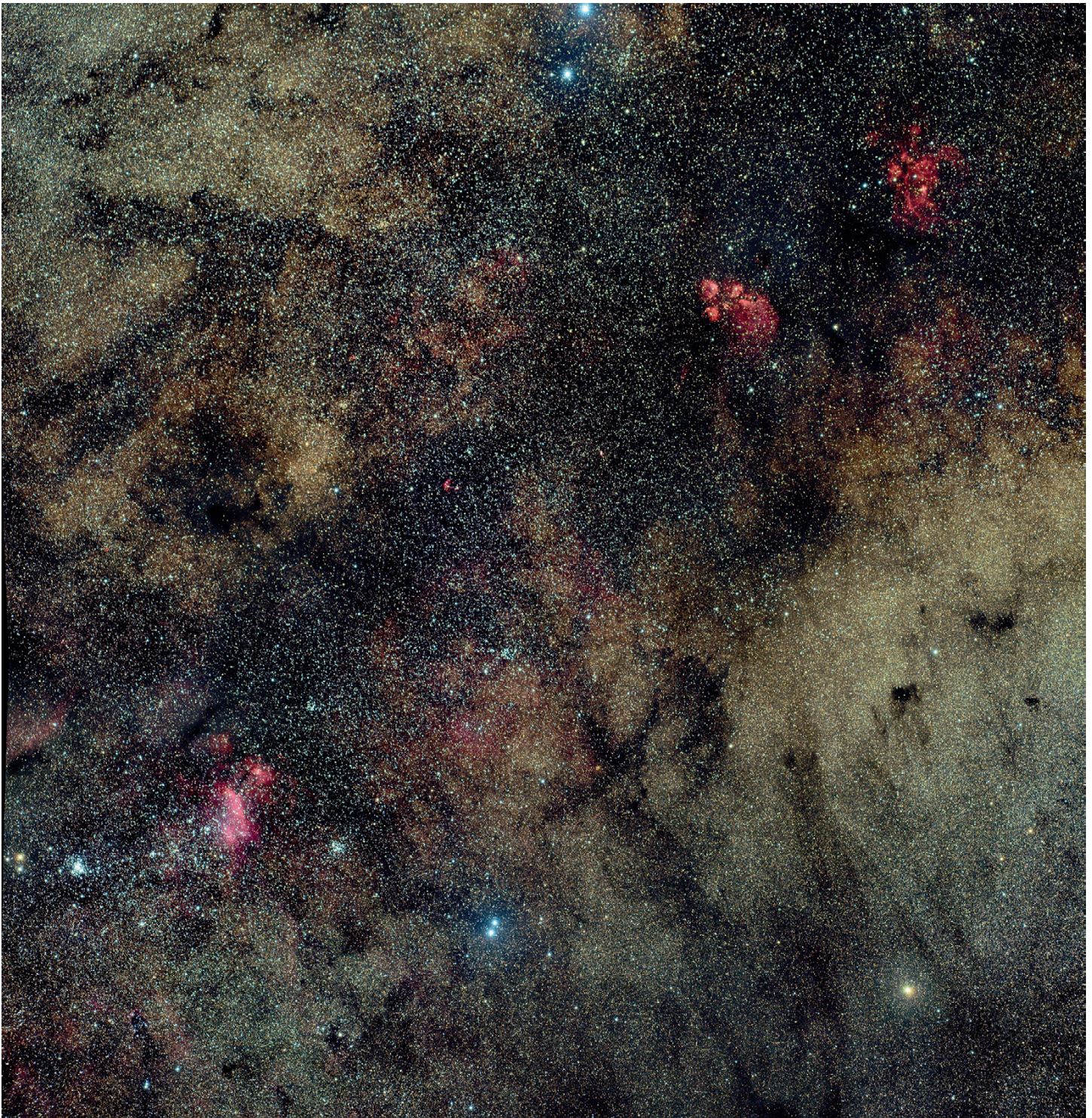
Comets in January

Comet C/2018 N2 (ASASSN)



Comet C/2018 N2 (ASASSN) was discovered by the All-Sky Automated Survey for Supernovae” (ASASSN) program, early July 2018 with the 14-cm “Cassius” survey telescope at Cerro Tololo, Chile.

Date	Optimal time	RA	Dec	Brightness	Size (arc min)	Constellation
Jan. 1	06:22 pm	23h30m31.9s	+39°53'10"	11.6	2.0'	Andromeda
Jan. 6	06:23 pm	23h30m25.0s	+40°09'19"	11.6	1.9'	Andromeda
Jan 11	06:35 pm	23h30m54.0s	+40°29'09"	11.7	1.9'	Andromeda
Jan.16	06:33 pm	23h31m55.5s	+40°52'39"	11.8	1.8'	Andromeda
Jan. 21	06:38 pm	23h33m26.7s	+41°19'55"	11.8	1.8'	Andromeda
Jan. 26	06:42 pm	23h35m25.0s	+41°50'57"	11.9	1.8'	Andromeda
Jan. 31	06:47 pm	23h37m47.6s	+42°25'45"	11.9	1.7'	Andromeda



“Southern Milky Way” by David Elmore. Taken in October 2018 from the Atacama. The field of view is about $10^\circ \times 10^\circ$ recorded with a modified Canon 6D behind a Borg FL55 200mm focal length astro-graph (F/3.6). This is an RGB image. One field is 28 exposures, the other 33 exposures, each exposure 120 seconds. Processing in AstroPixelProcessor and MacOS Photos.



“Cone Nebula.” by Eddie Hunnel on Dec 30, 2019.



"Horse Head Nebula" by Gary Garzone on Dec 1 , 2019.



Crab nebula

"M1 Crab Nebula" by Gary Garzone on Dec. 22, 2019.



C 2017 T2 Panstarrs

C2017 T2 (PANSTARRS) by Gary Garzone on Dec. 31, 2019



C2018 N2 Asassn

C2018 N2 (ASASSN) by Gary Garzone on Dec. 31, 2019

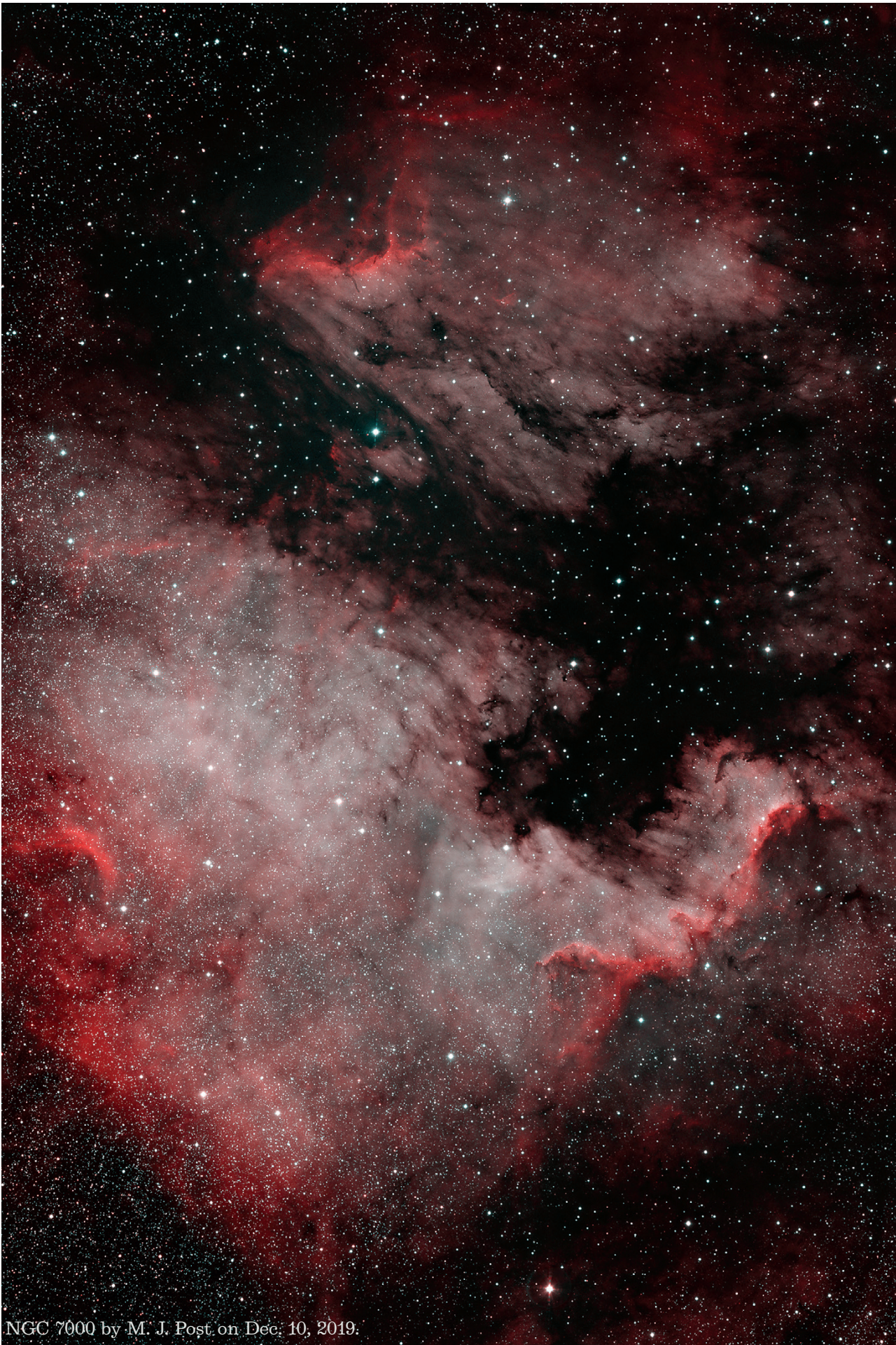


NGC 2392 Eskimo

“NGC 2392, Eskimo Nebula” by Gary Garzone



“NGC 891” by Glenn Frank on Dec. 1, 2019.



NGC 7000 by M. J. Post on Dec. 10, 2019.



“NGC 891” by M. J. Post on Dec. 22, 2019.



“NGC 1931” by M. J. Post on Dec 30, 2019.



"Bubble Nebula" by Tally O'Donnell on Dec. 20, 2019.



Venus Transit by
Armand Charbonneau
on Dec 12, 2019



“NGC 7000, the Wall”
by M. J. Post on December 10, 2019