



# The Eyepiece

Neville Public Museum Astronomy Club

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## What's Up August 2022

Summer nights are a great time to just pick up a pair of binoculars and point them towards the southern skies and go looking for the treats of the summer Milky Way. It is best if you have a nice chair for you and a tripod for the binoculars as you can spend hours just scanning the sky in and around the constellation Sagittarius. Open star clusters are the most satisfying finds for me. These groups of stars, usually similar in color and brightness, are believed to have been formed in the same stellar nursery. Some are still within the dust and gas that fed or feeds their creation yielding open clusters with nebulosity. Others are devoid of nebulosity and glisten with crisp star arrays.

For those who want targets to find, I suggest M6, the Butterfly Cluster, and M7, Ptolemy's Cluster, as the first two open clusters to try to find. Both are to the west of the teapot asterism in Sagittarius and fairly bright. Above the teapot is the large globular cluster M22, the Great Sagittarius Cluster. While not as famous as M13, the Great Cluster in Hercules, M22 has its fair share of fans. It lies within the glow of the Milky Way producing an image with a bright core with a fuzzy halo against a field of stars. Continuing north from M22 you can find M16, the Eagle Nebula, and M17 the Omega Nebula. Through binoculars don't expect to see detailed colorful images of these objects. The view of M16 has been described as an irregular glow and for M17 as a faint glow. Both are best seen using averted vision.

Other summer Messier objects that are described as easy to find with binoculars or small telescopes are M5, a globular cluster in Serpens Caput, M13, a globular cluster in Hercules, M23 and M25, open clusters in Sagittarius, M27, a planetary nebula in Vulpecula, For a full list of Messier objects by season and difficulty check out [starlust.org/messier-catalog](http://starlust.org/messier-catalog).

Have a great month and enjoy the night skies.

### August Meeting

When: Wed. August 3rd. 6:30 PM

Speaker: Duane Clausen, Northern Lights Photography

Location: Neville Public Museum

### Aug. 26-27

Parmentier Observing Weekend

# Call for Art

## Big Thing in Far Away Places

### How Astronomers See the Universe

Ladybug Glass Studio & Gallery, 219 Steele St., Algoma, WI will host an exhibit of the artwork of members of the Neville Public Museum Astronomical Society and the Door Peninsula Astronomical Society during the month of October 2022 at the gallery in Algoma Wisconsin during normal business hours.



Members are encouraged to submit any kind of astronomical artwork that they would like to share with the public. Two dimensional, photographs, paintings and sketches and 3-D works are all welcome. Works can be for display only or offered for sale. We can provide suggestions as to how to prepare your artwork for submission. Our exhibit last year of about 30 pieces was very well received by the public. Visitors thanked us for producing an exhibit that was both beautiful and educational. As a former teacher this was the response that I was looking for.

As in all art shows, space is limited. The gallery reserves the right to limit the number of items displayed. Every effort will be made to display works from all members who submit works for the show.

There is no charge to display your work. A 25% commission will be collected from the sale price for any works sold during the show.

To help us plan, please send the following to [ladybugglass@icloud.com](mailto:ladybugglass@icloud.com) before Sept. 15.

- 1) jpeg image, 72 dpi, 120 pixels at longest side labeled title\_last name
- 2) size of work
- 3) medium (photography, drawing, sculpture, etc)
- 4) description of work

All submissions should be display ready, ie, framed with hanging hardware attached. A brief description of the subject of the work should be provided with any additional information that the artist wishes to share with the public such as the equipment used in producing the work. If the work is to be offered for sale, the sale prices should be provided.

While every precaution will be taken to avoid damage or loss, Ladybug Glass Studio & Gallery assumes no liability for works while on display.

Please contact us if you need any assistance with printing or display.

The gallery will accept works for the show in September. Contact either Kimberly Lyon at 920-591-2883 or John Lyon at 920-366-5566 with questions or to arrange for the submission of your work.

# New Member Welcome Mat

Please join me in welcoming new members Evan Polkinghorne & Family. Below is the information that Evan has contributed as his introduction to the club. Please make them welcome at future club activities.

## **How did you find out about the NPMAS?**

I was able to find NPMAS through a Google search. During the recent lunar eclipse, I figured I'd explore if there were other people in the area with similar interest.

## **How long have you been interested in Astronomy?**

I have been interested in astronomy for approximately 10 years now.

## **Do you have any particular interest like cosmology, galaxies, planets, etc.?**

My particular interests include events seen from the naked eye (meteor showers, eclipses, northern lights, etc.) that allow me to photograph the events for others to experience..

## **Can you tell us a little about yourself, your work and other interests?**

I've lived in the area for a few years now after graduating from UWGB. I work in Finance and enjoy golfing in my free time.

## **What do you expect to get out of the club?**

I'm hoping to learn more about astronomy equipment and upcoming events. Any advice on photography would be greatly appreciated!

## 2022 Star Parties

For a complete listing of the 2022 Star Parties go to: ([www.go-astronomy.com/star-parties.htm](http://www.go-astronomy.com/star-parties.htm))

January 31- February 6 Winter Star Party, Big Pine Key, Florida Keys Hosted by Southern Cross Astronomical Society. [www.scas.org/winter-star-party/registration.cfm](http://www.scas.org/winter-star-party/registration.cfm)

April 24 - May 1 Texas Star Party, Fort Davis, Texas. [texasstarparty.org](http://texasstarparty.org)

June 23-26 Wisconsin Observing Weekend, Waupaca

July 24-29 Nebraska Star Party, Valentine NE <http://www.nebraskastarparty.org>

July 27-31 Pike River Starfest, Amberg WI

Aug. 26-28 Northwoods Starfest, Fall Creek, WI. Hosted by Chippewa Valley Astronomical Society, [www.cvastr.org/northwoods-starfest/](http://www.cvastr.org/northwoods-starfest/)

Aug. 31-Sept. 5 Northern Nights Starfest, Palisade MN Hosted by Minnesota Astronomical Society,

Sept. 23- Oct. 1 Okie-Tex Star Party. Camp Billy Joe. Hosted by the Oklahoma City Astronomy Club, [www.okie-tex.com/index.php](http://www.okie-tex.com/index.php)

# Sky Events

## August Moon Phases

First Quarter	Aug. 5
Full Moon, Super Moon	Aug. 11
Third Quarter	Aug. 19
New Moon	Aug. 27

## August Meteor Showers

Name	Peak Dates	# per hour
Perseid	Aug. 11-12	50

## 2022 Planet Opposition Dates

Mars	Dec. 7
Jupiter	Sept. 26
Saturn	Aug. 14
Uranus	Nov. 9
Neptune	Sept. 16

## Astro Twilight Times

Date	Ends	Begins
Aug. 1	22:19	3:38
Aug. 15	21:49	4:02
Aug. 31	21:13	4:29

## Rise Time / Meridian Time / Set Time for the Brighter Planets

Planet	8/1	8/15	8/31
Venus	3:49/11:23/18:57	4:18/11:40/19:02	4:57/11:57/18:57
Mars	0:11/7:14/14:18	23:41/6:54/14:08	23:06/6:29/13:52
Jupiter	22:34/4:44/10:55	21:38/3:48/9:57	20:33/2:40/8:48
Saturn	20:49/1:53/6:58	19:51/0:54/5:57	18:41/23:43/4:44

Source: [in-the-sky.org](http://in-the-sky.org)

# 2022 Schedule of Events for NPMAS

## JANUARY

- 12 Holiday Party
- 14-16 Camp U-Na-Li-Ya Weekend

## FEBRUARY

- 2 Monthly Meeting-John Briggs, Antarctica Expedition

## MARCH

- 2 Monthly Meeting-Barlow Planetarium
- 19 Sheboygan Swap-n-sell, Aviation Heritage Center, Sheboygan Airport

## APRIL

- 6 Monthly Meeting-Dick Francini
- 9 Public Observing, Bay Beach Wildlife Sanctuary
- 22-23 Parmentier Observing Weekend
- 30 Messier Marathon

## MAY

- 4 Monthly Meeting-Tom Spirock, Photographing the Planets
- 13-14 NCRAL Convention Vision 2022 Port Washington
- 15 Total Lunar Eclipse
- 27-28 Parmentier Observing Weekend

## JUNE

- 1 Monthly Meeting-Amy Hannon Drew
- 3-4 Parmentier Observing Weekend
- 4 Club Picnic
- 24-25 Parmentier Observing Weekend

## JULY

- 1-2 Parmentier Observing Weekend
- 6 Monthly Meeting-Brian Chopp
- 29-30 Parmentier Observing Weekend

## AUGUST

- 3 Monthly Meeting-Duane Clausen
- 26-27 Parmentier Observing Weekend

## SEPTEMBER

- 7 Monthly Meeting-Jerry Schaefer
- 17 Public Observing-Brillion Nature Center
- 23-24 Parmentier Observing Weekend

## OCTOBER

- 1 Public Observing, Bay Beach Wildlife Sanctuary
- 5 Monthly Meeting-Gerry Kocken Part 1
- 21-22 Parmentier Observing Weekend

## NOVEMBER

- 2 Monthly Meeting-Gerry Kocken Part 2
- 8 Total Lunar Eclipse

## DECEMBER

- 7 Monthly Meeting-Year in Review

## Club Monthly Meetings

The NPMAS monthly meetings are open to the public and are held at the Neville Public Museum on the first Wednesday of each month from 6:30 to 8:30 PM.

## TELESCOPE WORKSHOP

Before each monthly meeting Gerry Kocken is offering to meet with club members who have questions about their telescopes or have telescopes that need adjustments or repairs. If you would like to meet with Gerry for this service he requests that you contact him prior to the meeting so that he knows what he needs to bring and to schedule his time. You can contact Gerry at [gerryk@kockenwi.com](mailto:gerryk@kockenwi.com)

## New Member Welcome

Evan Polkinghorne & Family

Michelle Kline



M22

## CLUB PUBLIC OUTREACH

The education of the public about astronomy is one aspect of our mission. Our public viewing sessions are one way we achieve this goal. Another is by accommodating requests from organizations in the region for astronomy related speakers or demonstrations. Types of organizations that have made requests are schools, public libraries, and scout troops. The club is always looking for individuals who would like to contribute to these activities. Ways that individuals can contribute is by preparing or giving presentations, assisting at public viewing sessions or by answering questions from the public. If you are interested in contributing to the club's public outreach activities you can contact any of the board members or the Public Outreach Coordinator Robert Nelezen at [robertn330@gmail.com](mailto:robertn330@gmail.com).

## Loaner Telescopes

NPMAS members are welcome to use, free of charge for a one month period, one of the six club telescopes. Please contact one of the board members to make arrangements. The six telescopes available are:

- 10 inch Dobsonian Telescope
- 60 mm Bushnell Voyager
- 12 inch Orion SkyQuest IntelliScope
- Meade ETX125 Cassegrain Telescope with AutoStar
- 4" Meade Schmidt Cassegrain
- 8" F10 Celestron Schmidt-Cassegrain

## NPMAS OBSERVING SITES

### Parmentier Observatory

Parmentier Observatory is home to a 30 inch classical Cassegrain telescope, the largest private observatory in Wisconsin. Members may view through the 30 inch or setup their own telescopes in the adjoining field.

Address:  
 N4175 Doell Road  
 Luxemburg, WI 54217  
 Observatory Representative  
 Mike Monfils – 920-435-7350

## Club Library

NPMAS has a collection of astronomy related books and videos covering a wide variety of topics including observing, the solar system, stars and more. Items can be checked out at monthly club meetings or by contacting Tom Cashman at 920-432-2261

## NPMAS BOARD

### Officers

President  
 Gerry Kocken  
[president@npmas.org](mailto:president@npmas.org)

Vice President  
 Scott Dickson  
[vicepresident@npmas.org](mailto:vicepresident@npmas.org)

Treasurer  
 Tom Cashman  
[treasurer@npmas.org](mailto:treasurer@npmas.org)

Secretary  
 Mark Wells  
[secretary@npmas.org](mailto:secretary@npmas.org)

### Board Members

Jerry Schaefer

Trevor Dammon

Dick Francini

## Staff/Committee Chairs

ALCOR Representative.....Rodrigo Roesch  
 Awards Coordinator .....

Camp U-Nah-Li-Ya .....Wayne Kuhn  
 Einstein Science Expo .....Gerry Kocken  
 Historian .....George McCourt  
 Holiday Party .....Dick Francini  
 Librarian .....Tom Cashman  
 Membership .....Tom Cashman  
 Messier Marathon ..... Bill Hennessy  
 Museum Exhibit Coordinator George McCourt  
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 Observatory Key Holders .....Dick Francini  
 .....Wayne Kuhn  
 .....Brian Chopp  
 .....Gerry Kocken  
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 Public Outreach .....Robert Nelezen  
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 Newsletter Editor .....John Lyon

### The Eyepiece

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Submissions can be emailed to [LYONJ@UWGB.EDU](mailto:LYONJ@UWGB.EDU) or mailed to N6618 Hillside Rd. Casco, WI 54205

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