

The Spectrum

The Newsletter for the Buffalo Astronomical

January/February

Volume 17, Issue 1

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From the Editor's Desk,

Hello Again,

Welcome to the Spectrum. Lots of good stuff this issue. Make sure you look into the Annual Meeting information on page 3 as well as the notes on the speaker, Will Kinney, on page 6. As always, there's a little something for everybody. Read it over and let me know what you think. There are two calendars this issue. The Obs (BAA) calendar as well as "What's Up? " I also included a star chart for each month covering the new moon sky.

If you have any comments, questions, and especially submissions, please direct them to me, Mike Humphrey, at jetpac@iname.com. Put " spectrum" in the subject line so I can grab your email from the rest.

I'm looking forward to your email!

Clear Skies!

Mike Humphrey





BAA Schedule of Astronomy Fun for 2015

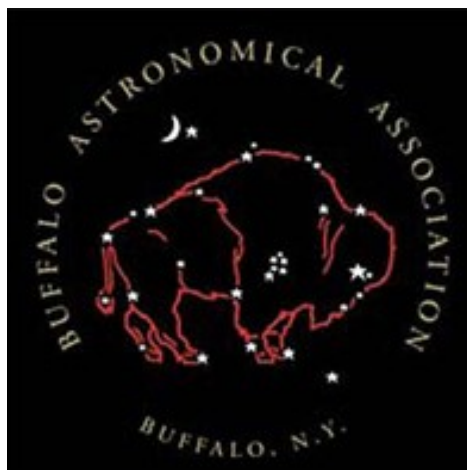


Tentative BAA Schedule of Astronomy Fun for 2015

- Jan 9: BAA Meeting 7:30pm At Williamsville North Planetarium
- Jan 13-24: Chasing Comet Lovejoy Q2 at the Observatory- check egroups or call Daniel Marcus
- Feb 13: BAA Meeting at 7:30pm at Buffalo State College
- Mar 13: BAA Meeting at 7:30pm at Buffalo State College
- Mar 21-22: Maple Syrup Festival at BMO 9am-3pm Need help for Solar viewing
- Mar 21: Messier Marathon Dusk till Dawn at Beaver Meadow Observatory
- Apr 4: First Public Night at Beaver Meadow Observatory
- Apr 11: BAA Annual Dinner Meeting at Risottos
- Apr 18/19: NEAF (who wants to car pool??)
- Apr 25: Astronomy Day at Buffalo Museum of Science details
- May 8: BAA Meeting at 7:30pm at Buffalo State College
- Jun 12: BAA Meeting/Elections at 7:30pm at Buffalo State College
- Aug 12: Meteor Shower –BMO anyone??

See you at the Observatory

Daniel Marcus



*Our Annual B.A.A. Dinner Meeting will be taking place on
Saturday, April 11th, 2015
“Risotto Ristorante”*



Located at 930 Maple Road, Amherst N.Y. 14221

Cash bar from 6:00pm - 7:00pm

Buffet Dinner 7:15pm - 8:30pm

General meeting, awards, and guest speaker 8:45pm - 10:00pm

The buffet will consist of:

Perch Milanese

Panko encrusted Perch filets with Goat Cheese

Over Arugula with a Citrus Sauce

Chicken Artichoke with Sundried Tomatoes

Mushrooms in a Fontina Sauce

Tenderloin Tips with Wild Mushrooms

Macarancini Pasta with a House Red Sauce

& Mozzarella Cheese

Individually served Salads with a House Balsamic Dressing

Assorted Breads with Homemade Spreads

Roasted Baby Red Potatoes

Grilled Vegetables

Homemade Cannoli Cake

Coffee, Tea, Decaf

\$30.00 per person Adult/Senior/ Child/Student

Complimentary Beverage of your choice is included

Observatory Report By Dan Marcus

Observatory Report

Well it is official, it is now 2015. Only 2.5 years till the August 21, 2017 Solar Eclipse. Time to start thinking about how you are going to view it. Viewing from any place except centerline is unacceptable, so get with the program! Let me know of any ideas for a road trip. I will be organizing a club expedition to view this eclipse from a clear spot on centerline.

Tuesday Night at the Observatory is back! We will meet Mon, Tue or Wed depending on the weather. If we are getting snow, I will cancel. On another note, Comet Lovejoy C2013-Q2 is starting to put on a good show in the evening sky. It is easily viewed in binoculars as of Dec 30, and predictions of reaching mag 4.0 (yep the check is in the mail!) the first week in Jan. Of course the Moon will interfere, but as soon as it gets out of the way, I will be at the Observatory imaging it. Feel free to join in on the fun. The 20" is a great comet scope. PHD2 autoguiding program has a comet tracking feature in it now. So with a little luck we will be able to autoguide using an off axis guide on a fixed star, and still be able to track the comet. Should be fun if it works. If the weather is really bad we will image from the North Towns. If REALLY bad, I plan on a road trip to clear dark skies. Anyone interested???

There will be a Messier Marathon March 21 if clear at the Observatory. Stay tuned to the egroups for updates, will not happen if cloudy.

Public Nights will start again on April 4 and be scheduled on the First Saturday of the Month through October.

What's Up?

Some of the events happening in the next two months

January

05- Full Moon

14- Mercury reaches greatest evening elongation 18.9 degrees east of the Sun 11:00 AM.

17- The moons Io and Europa cast a double shadow on Jupiter from 10:53 to 12:58 AM.

20- New Moon

24- A triple shadow transit of Jupiter's moons from 1:26 to 1:54 AM.

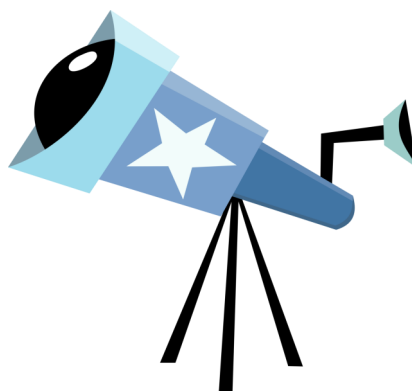
February

03- Full Moon

06- Jupiter at opposition

18- New Moon (the "Black Moon").

22- Venus passes 0.4 degrees south of Mars





Astronomy Day at the Buffalo Museum of Science.

April 25, 2015

April is National Astronomy Month and to commemorate, we will be coordinating an event at the Buffalo Museum of Science.

To make this event a success, **your help is needed**. We are looking for all members to come out and participate in various ways to promote this event. If you have participated in public events before, time to jump in again. If you've never been involved, this is a great way to start. It's so much more fun than you will imagine.

We Need:

Members with telescopes and equipment: We want to show as many diverse types of equipment in a static display as we can get. You'll get to answer questions and describe what you use for stargazing.

Presentations. I am looking for six people (maybe more) to do a 15-20 min presentation on astronomical topics. These should be on a general level easily accessible to the public.

Volunteers: If you just want to come out to help, Great! We need help moving equipment, setting up, and help with addressing questions. You may also help guiding people and helping with some of the displays.

As we get closer to the date, more information will be provided. If you want to do something but don't know what you can do, let me know and we'll talk. There's a place for everyone and all help is needed.

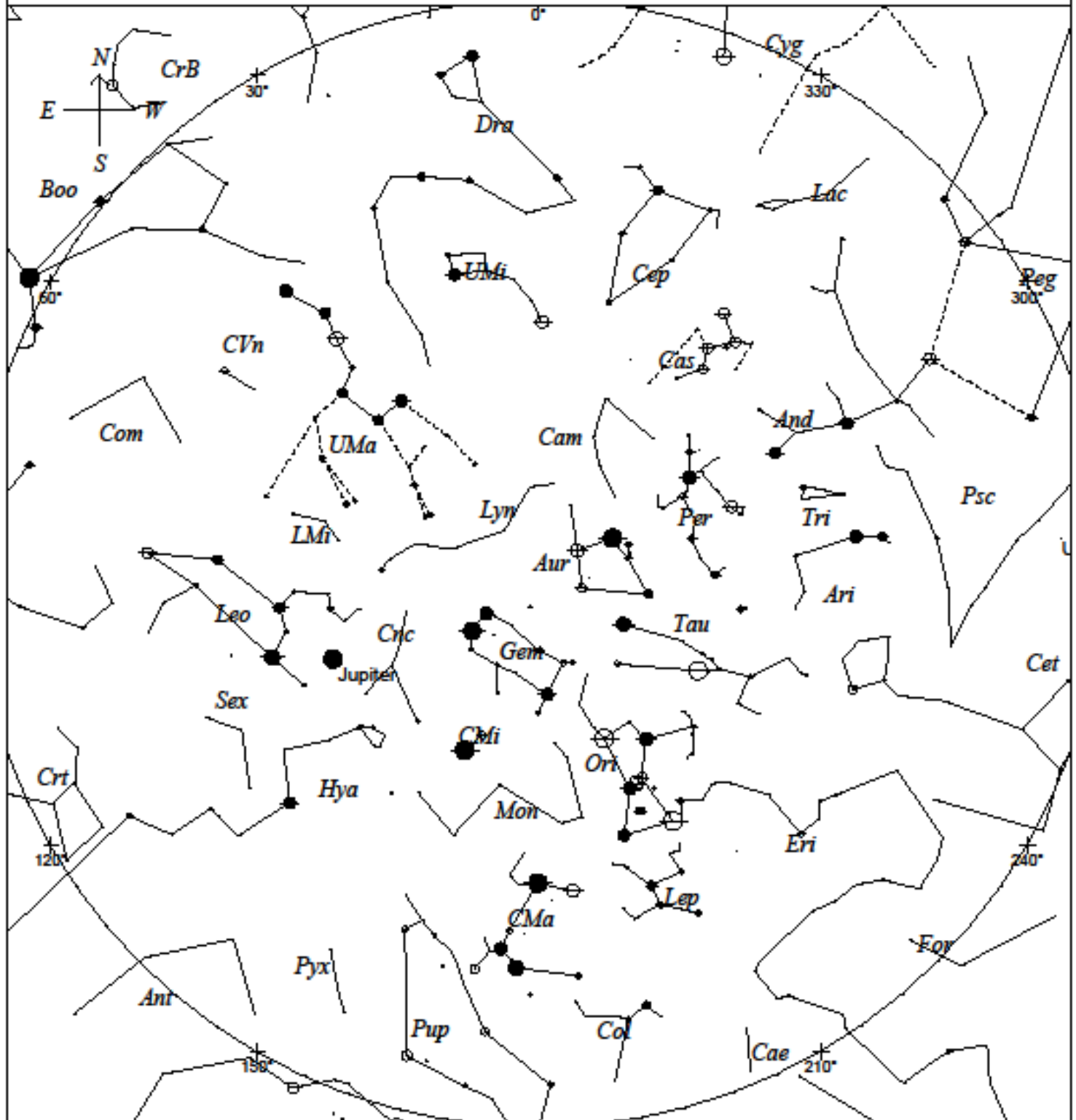
If you are interested, please send me an email at jetpac@iname.com. Put "astro day" in the subject line so I can pull your message.



Thanks



1/20/2015 2300hr



STARS

- <1
- 1.5
- 2
- 2.5
- 3
- 3.5
- >4

SYMBOLS

- Multiple star
- Variable star
- ☄ Comet
- Galaxy
- Bright nebula
- Dark nebula
- ⊕ Globular cluster
- Open cluster
- ⊕ Planetary nebula
- ☄ Quasar
- △ Radio source
- × X-ray source
- Other object

Local Time: 23:00:00 20-Jan-2015

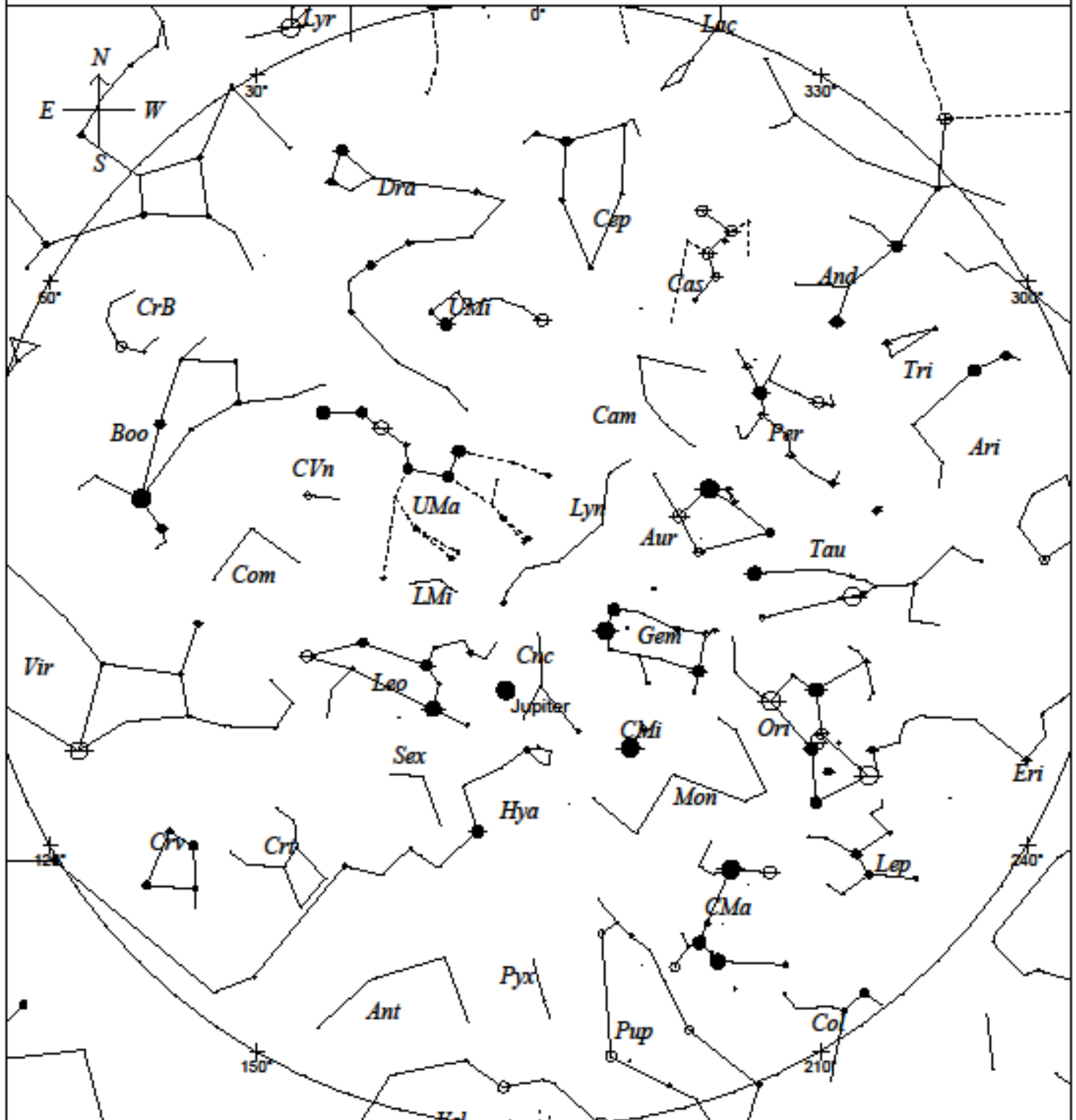
UTC: 04:00:00 21-Jan-2015

Sidereal Time: 06:45:21

Location: 42° 52' 48" N 78° 52' 12" W RA: 6h45m21s Dec: +42° 52' Field: 180.0°

Julian Day: 2457043.6667

2/18/2015 2300hr



STARS		SYMBOLS		
● <1	• 3.5	● Multiple star	◻ Dark nebula	△ Radio source
● 1.5	• >4	○ Variable star	⊕ Globular cluster	× X-ray source
■ 2		☄ Comet	○ Open cluster	○ Other object
● 2.5		○ Galaxy	⊕ Planetary nebula	
• 3		◻ Bright nebula	☄ Quasar	

Local Time: 23:00:00 20-Feb-2015 UTC: 04:00:00 21-Feb-2015
 Location: 42° 52' 48" N 78° 52' 12" W RA: 8h47m34s Dec: +42° 52' Field: 180.0°

Sidereal Time: 08:47:34
 Julian Day: 2457074.6667

BAA Officers and General Information

President: Mike Anzalone
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BAA Website Webmaster: Chris Elliott
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BAA voice mail box: (716) 629-3098

Location / Time of Meetings: BAA meetings are held on the 2nd Friday of the month from September to June starting at 7:30pm. Our meetings are held in room C122 of the Classroom Building at the Buffalo State Campus. See map below, building 35.

