



The Observer

A Publication of The Cuyahoga Astronomical Association
PO Box 868, North Olmsted, OH 44070

CAA Schedule

Monday, October 12

General Membership Meeting at 8 p.m. in the Cleveland Metroparks Rocky River Nature Center. David Bauman will present "Discovery of the Planets".

Saturday, October 17

at Brecksville Reservation.

Canceled

Sunday, October 18

Monthly Board Meeting will be held at 4 p.m. in Cupachino's Café at 23420 Lorain Road, North Olmsted. That's at the corner of Clague and Lorain Roads.

Saturday, October 24

Annual Halloween Bonfire at Plum Creek Park just south of Sleepy Hollow Road on Plum Creek Parkway in Brunswick. CAA will provide telescopes at dusk for public viewing. This event is usually well published and attended, so we will need your telescopes.

Monday, November 9

General Membership Meeting at 8 p.m. in the Cleveland Metroparks Rocky River Nature Center.

Michael Patterson presents "Ion Propulsion for Deep Space". Mr. Patterson is an Aerospace Engineer at NASA Lewis Research Center, working in the Power and Onboard Propulsion Technology Division.

Sunday, November 15

Monthly Board Meeting will be held at 4 p.m. in Cupachino's Café at 23420 Lorain Road, North Olmsted. That's at the corner of Clague and Lorain Roads.

Saturday, November 28

Please bring your telescope to this CAA public star party at 8 p.m. at the Schuele Planetarium parking lot. Bill Gerling will talk about "Shooting Stars".

Upcoming Astronomical Events

Sunday, September 6

Full Moon

Sunday, September 6

6 a.m. EDT: Venus passes 0.8° north of Regulus.

Saturday, September 12

Moon at Last Quarter

4 a.m. EDT: The Moon passes 0.3° north of Aldebaran.

Tuesday, September 15

11 p.m. EDT: Jupiter is at opposition.

Wednesday, September 16

1 a.m. EDT: Pallas is at opposition.

Thursday, September 17

8 a.m. EDT: The Moon passes 2° south of Mars.

Friday, September 18

7 a.m. EDT: The Moon passes 0.6° south of Regulus.

Sunday, September 20

New Moon

Wednesday, September 23

2 a.m. EDT: Equinox (northern autumn/southern spring) begins.

Monday, September 28

Moon at First Quarter

Wednesday, September 30

3 p.m. EDT: The Moon passes 2° north of Neptune.

Thursday, October 1

8 a.m. EDT: The Moon passes 3° north of Uranus.

Sunday, October 4

5 a.m. The Full Moon passes 0.2° south of Jupiter.

Tuesday, October 6

9 p.m. EDT: The Moon passes 1.8° south of Saturn.

Friday, October 12

The Moon is at last quarter.

Thursday, October 15

The Moon passes 1.0° south of Mars. Can you spot Mars during the daylight hours?

Saturday, October 17

1 a.m. EDT: Asteroid Vesta is at opposition.

Tuesday, October 20

New Moon

Wednesday, October 12

Orionid meteor shower peaks.

Friday, October 23

Saturn is at opposition.

Tuesday, October 27

10 p.m. EST: The Moon passes 2° north of Neptune.

Wednesday, October 28

3 p.m. EST: The Moon, at First Quarter, passes 2° north of Uranus.

Saturday, October 31

11 a.m. EST: Below the horizon, the Moon passes 0.2° south of Jupiter. At Moonrise, about 3:40 p.m., the Moon will be trailing Jupiter by about 3.5 degrees and, by midnight, it will be behind by 7 degrees.

Tuesday, November 3

4 a.m. The Moon passes 1.7° south of Saturn.

Wednesday, November 4

Full Moon

Thursday, November 5

9 p.m. The Moon passes 0.6° north of Aldebaran.

Tuesday, November 10

Moon at Last Quarter

Wednesday, November 11

5 p.m. The Moon passes 0.3° south of Regulus.

Friday, November 13

1 p.m. The Moon passes 0.5° north of Mars.

Tuesday, November 17

Leonid meteor shower peaks.

Wednesday, November 18

New Moon

Tuesday, November 24

4 a.m. The Moon passes 1.9° north of Neptune.

10 p.m. The Moon passes 2° north of Uranus.

Thursday, November 26

Moon at First Quarter

Friday, November 27

8 p.m. The Moon passes 0.6° south of Jupiter.

News

Observatory Update

The shed on the observatory site is now down. Please see the Presi-

dent's Letter and come to the next meeting for an update.

From the Desk of the President: Erik Hall

With the news from Tom James that the building permit was granted, The Letha House Park Observatory began to take form. First, the old building needed to be taken down and hauled away. I would like to thank the following members and friends for their support.

Friday, August 28, 1998:

Regina Burke, Mike Burke, Matt Burke, Craig Barth (Mike and Matt's friend), Carl Kelley, Mike Williams.

Saturday, August 29, 1998:

Regina Burke, Mike Burke, Matt Burke, Craig Barth (Mike and Matt's friend), Erik Hall, Jim Henry.

Sunday, August 30, 1998:

Regina Burke, Mike Burke, Matt Burke, Craig Barth (Mike and Matt's friend), Erik Hall, Mike Williams, Chris Burke, Bob Wiersma, Luden Chilcote, Chuck Reinhart.

Saturday, September 12, 1998:

Bob Wiersma, Mike Williams, Erik Hall, Chris Burke.

At the October meeting I will update everybody on the observatory. Thanks again to everybody for his or her time and energy.

Halloween in the Woods

The annual Halloween Bonfire at Plum Creek Park just south of Brunswick will occur on Saturday, October 24. Your telescopes are kindly requested at dusk for public viewing.

This event is structured for families with children. They usually have bonfires, ghost stories, music, hay rides, night woods hikes and, of course, star gazing. Typically it is well publicized and well attended. Expect a large crowd for this event.

Star gazing will begin at dusk, but the event starts in the afternoon. Parking is limited. Arrive early and explain to the park rangers or local police that you are part of the event and need to park as close as possible to unload your equipment. In past years they

have set us up on the hill near the picnic shelter.

We will need lots of support for this event due to the expected crowds. A map to the park can be found in this issue. Please come and support Medina Parks.

Corrections to Dues Form

We have had another increase in publication costs and have had to make the change on the included Dues and Subscription form. The cost of the Observers Handbook has increased to \$13 this year. This and the increase of Astronomy magazine are the two changes we have seen in publications.

To renew a subscription of a magazine, get your old issues out and find your subscription number or copy it off the plastic bag from next month's issue. Be sure to include your subscription number so you won't be seen as a new subscriber. To take advantage of this discount plan you must have your dues form in early with the subscription number and, of course, the money.

We are also asking for email addresses on the subscription form. This collection of information will allow us to begin to enter the 20th century and build better information services for our members.

Nominations Open

This November the offices of President, Treasurer and a Board Member will be filled through elections.

We still would like to see more names on the ballot, so please consider one of these positions. Any member in good standing who has attended half of the meetings in the previous two years is eligible.

Directions to Plum Creek Park Just South of Brunswick



Plum Creek Park is located on Plum Creek Parkway, just south of Brunswick, in northern Medina county.

Directions to Plum Creek Park Via I-71

1. Take I-71 south and exit at Route 3 (Exit 222).
2. At bottom of ramp turn right, following Route 3 south.
3. Immediately at the next intersection turn right onto Hamilton Road.
4. At the second intersection turn right (north) onto Plum Creek Parkway.
5. Travel north about a half mile to Plum Creek Park on the left.
6. Turn left into the parking lot. Ask where the star gazing area is and try to park near there.

1999 CAA Membership Dues & Subscription Order Form

Date: _____

Name _____

Address _____

City _____ State _____ Zip _____

Electronic (Internet) Mail Address _____ @ _____

Phone # (Please include area code) _____

May we publish your phone number? _____

Type of Membership (check one)	Individual	<input type="checkbox"/>	\$25.00
	Student	<input type="checkbox"/>	\$10.00
	Family	<input type="checkbox"/>	\$30.00

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New subscriber Renewal Subscription # _____ 12 issues @ \$27.00

Observer's Handbook 1999

by The Royal Astronomical Society of Canada \$13.00

Total enclosed: cash check Total _____

Make checks payable to and mail to:

Cuyahoga Astronomical Association
PO Box 868
North Olmsted, OH 44070

Cuyahoga Astronomical Association
PO Box 868
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Address Correction
Requested

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Other Numbers

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