



Astronomy Club of Akron

2015 Observatory Schedule

Portage Lakes State Park
5031 Manchester Rd, Akron, OH 44319
www.acao.org

- The following events are open to the public. Please join us for stargazing and educational activities.
- Events will be cancelled if skies are cloudy. If skies are questionable, please call for the latest information: 330-837-5848
- This is an outdoor activity in an unheated environment. Nighttime temperatures drop rapidly, even during summer. A general rule of thumb is dress for 15 degrees colder than predicted nighttime low temperature.
- Please be considerate of those who bring their own telescopes. Children should be supervised at all times. Pets should be left at home.
- Please, no smoking in or near the observatory or on the surrounding grounds where club members have set up their telescopes.

March 14 – 7:30pm

See the Orion Nebula, one of the most spectacular celestial objects, with our 16" observatory telescope. We'll also view the Hyades, Pleiades, & Beehive star clusters.

March 21 – 7:30pm

Special Event: *Messier Marathon* – stay all night to observe all 110 Messier objects with ACA members. We'll have the Best Free Coffee in Akron brewing all night.

April 11 – 8:00pm

Planet observing tonight: Venus will be within 3 degrees of the Pleiades, Jupiter and Ghost of Jupiter are well-placed for observing in the evening sky.

April 18 – 8:00pm

Galaxy Night: Come out tonight to observe Bode's Galaxy, Cigar Galaxy, & Whirlpool Galaxy.

May 9 – 8:30pm

We will try to spy elusive Mercury at sunset. Venus & Jupiter will also be targets of observation.

May 16 – 8:00pm

Telescope Seminar: Our members will describe advantages & disadvantages of each type of telescope. We'll also be observing Double Stars & Galaxies.

May 23 – 8:45pm

Come out to see a 5 day old Moon. This is one of the few star parties where we do lunar observing. See craters, mountains, rills, & maria (seas) on the lunar landscape.

June 6 – 9:00pm

View Venus at greatest eastern elongation.

June 13 – 9:00pm

View Saturn, its moons Titan, Rhea, & Dione, and famous Cassini Division within ring system.

June 20 – 9:00pm

Come out early to view 4-day old Moon; then observe Saturn and its magnificent rings tilted 24 degrees as seen from Earth.

July 11 – 9:00pm

Observe asteroid Pallas shining at magnitude 9.6. Pallas is the third largest asteroid by mass with diameter 338 miles. Saturn is still well-placed for evening viewing.

July 18 – 9:00pm

Tonight we'll be observing double stars: optical doubles, visual doubles, and multiple star systems.

August 8 – 9:00pm

View Messier objects of the constellation Sagittarius: Swan Nebula, Globular Cluster M22, Butterfly Cluster, and more.

September 5 – 8:00pm

Presentation: *Mathematical Illustration of Time Dilation*
Observing session to follow: Summertime Open Clusters

September 12 – 8:00pm

Planetary Nebulae Night: Ring Nebula, Cat's Eye Nebula, Blue Snowball, Blue Flash Nebula, & Blinking Nebula.

October 3 – 7:15pm

Observe Neptune shining at 8th magnitude. Wild Duck Cluster is still well-placed for evening observing – a gem!

October 10 – 7:15pm

Tonight we'll be viewing asteroid Vesta shining at magnitude 6.4. Vesta is second largest asteroid by mass.

October 17 – 7:00pm

View 5-day old Moon, Andromeda Galaxy, ET Cluster, Blue Snowball Nebula, Saturn Nebula & Herschel's Double Cluster.

November 7 – 7:00pm

Come out this evening to view Uranus, the 7th planet in the Solar System.

*** We hold unscheduled star parties when skies are clear. For an e-mail notification of impromptu star parties send a message to ACAstarparty@att.net to be added to the list. For private star parties (Boy Scouts, Girl Scouts, Church Groups, School Groups, etc.) send a request to the same e-mail address.

Getting Started In Astronomy

Getting started in astronomy as a hobby isn't necessarily as expensive as most people think. While it's easy to spend several thousand dollars on high-end equipment, most skywatchers begin their odyssey with little more than an inexpensive skychart and their own eyes. Taking it one step farther, a modest pair of 10x50 binoculars can be had for less than \$50.00. While binoculars are seemingly less glamorous than a telescope, the views offered are nothing short of incredible. Many deep-space objects are visible and the sheer number of stars that are revealed will delight and amaze.

While the temptation to purchase an inexpensive, department store telescope can be overwhelming, you should think twice before taking the plunge. The optical quality is often enough to discourage rather than encourage. Advertising claims of super-high magnification are nothing but smoke and mirrors in the world of amateur astronomy. How much light your instrument can collect and effectively bring to your eye is what really matters. It's not at all unreasonable to expect pricing in the 300 dollar range for a reliable and more importantly, useful telescope. It's really worth waiting and saving for such an instrument if need be.

The Astronomy Club of Akron (ACA) hosts public viewing events, also known as "star parties," throughout the year (see reverse side for dates and times). As a non-profit entity with public education as our goal, the ACA's mission is to bring astronomy to you! Our public events are designed to teach and to foster interest in amateur astronomy. This being the case, our permanent observatory facility located within the Portage Lakes State Park houses a 16" computerized, Schmidt-Cassegrain telescope. This instrument is the centerpiece of our public star parties and everybody is welcome to have a look through the eyepiece at whatever happens to be targeted. We enjoy answering questions and requests to see astronomical objects are gladly accepted. In addition to our observatory, you will find members scattered around the property, expertly manning their own private telescopes and binoculars. Again, questions are welcome as is the opportunity to show you astronomical wonders through a variety of brands and optical designs.

If you don't currently own a telescope but are considering purchasing one, our public star parties are fantastic sources of information. Come and see the many choices and options available and see how much more informed a purchasing decision you can make afterward!

As a non-profit organization, the ACA exists and operates through a combination of charitable donations and membership dues. If you'd like to be a member, you will know that your dues help to support our recurring expenses and purchase of new and replacement equipment. We often are able to offer discounts on annual subscriptions to *Sky & Telescope* and *Astronomy* magazines and you will be able to borrow ACA loaner telescopes. You will be invited to our members-only events and will be eligible to vote on club issues. Even more important, you will know that you are part of our effort to teach and enlighten those who may never have been exposed to astronomy in any other way.



Map and directions:

To the [Observatory](#)

To the [Kiwanis Hall](#)