



Penn Dixie

Paleontological and Outdoor Education Center

2012 EVENING ASTRONOMY PROGRAMS AT PENN DIXIE SITE

Spend an astronomy evening at the Penn Dixie site for a truly out-of-this-world experience!

Telescopes and trained HNHS astronomy volunteers will be present at each of the following nine HNHS evening astronomy programs. You may also bring along your own telescope if you wish. The public is welcome. HNHS members free, non-members \$3/person, pre-registration is not required. For information, please call the HNHS at (716) 627-4560. *Please note that if heavy cloud cover is present or if it is raining at the site, astronomy programs will not be held.*

April 4, Wednesday, 6 PM – Williamsville North Planetarium Show and viewing of the Williamsville skies with **Penn Dixie telescopes** at the Williamsville Space Planetarium at 1595 Hopkins Rd. (near Dodge). Jupiter will be in the west and full moon rising in the east.

April 21, Saturday 7 PM – View a thin crescent moon and Jupiter setting in the west, while Saturn rising in the east. Venus high in the southwest, Mars in the southeast. Orion's nebula M42 and the Bee-Hive star cluster, M44. Some meteors from the Lyrids meteor shower peak after midnight until dawn.

May 12, Saturday 7:30 PM - View Venus high in the west, Mars high in the south, Saturn high in the east, Cancer's star cluster M44, Hercules Famous star cluster M13, and the bright star Vega with it's flashing colors, will rise in the east.

June 5, Tuesday, 5:30 PM - View the partial Transit of Venus, through filtered telescopes, that can be seen from around 6:15 PM, until sunset. This event is when Venus passes across the face of the Sun. The next time this happens is on Dec. 11, 2117.

June 23, Saturday 8 PM - View Mercury low in the west, Mars and a Gibbous waxing moon in the southwest and Saturn just above the bright star Spica in Virgo. The Summer Triangle and ring nebula M57 in the east. The Globular star cluster M13. Ursa Major (Great Bear) with the nose diving towards horizon, and a variety of other constellations.

July 21, Saturday 8:30 PM - View a thin crescent moon setting in the west and Mars and Saturn getting closer to one another in the southwest. Constellations Scorpius open star cluster M4, the asterisk Milk Dipper in Sagittarius, and a variety of other constellations.

August 11, Saturday 5 PM, See August 11th Mid-Summer's Night Adventure Event – Astronomy is part of the program.

September 15, Saturday 7 PM - View Saturn and Mars low in the west, Ring Nebula M57 and Dumbbell Nebula M27 near the zenith. The famous double star Albireo in constellation Cygnus. In the east, Perseus the famous open star cluster NGC 869-84, Cassiopeia famous NGC 457 open star cluster (E.T.), and a variety of other constellations.

October 6, Saturday, 6 PM – View sunspots until dusk and after dark the star cluster M13 in the southwest, the Summer Triangle high overhead, M27 Dumbbell Nebula in the constellation Vulpecula, M57 Ring Nebula in the constellation Lyra. NGC 457 (E.T.), and NGC 869-84 famous double star cluster. The bright star Capella in constellation Auriga.

