

Andreas Gada, “Easy Astrophotography Using A DSLR”; Workshop

Today’s modern DSLR cameras are well suited for Astrophotography. These cameras with their high ISO settings, long exposure capability (30 seconds), and built-in high ISO and long exposure noise reduction, enables these cameras to capture stunning images of the night sky. This workshop explores what can be accomplished using a tripod-mounted DSLR camera and standard lenses.

He begins by talking about the image-capture processes, some of the problems that may be encountered, and how to prevent them. He then illustrates how to apply this process to photographing constellations, planetary conjunctions, meteor showers, satellites, northern lights, moonrise / moonsets, sunrise / sunsets and other astronomical phenomena.

Next he will explore two methods that can be used for creating star trails, and the pros and cons of each method.

He finishes by looking at the use of the time-lapse movie creation as a method for illustrating the motion of the night sky.

The workshop consists of a presentation, lasting about an hour given on September 6 as part of the NPC September meeting.

This will be followed by a field trip (weather permitting) on September 11, 6 – 12 pm, to Bonnie and Andreas’ country property at 179 Covert Hill road near Oak Heights. Here workshop participants will have the opportunity to apply what they have learned during the presentation, and take their own images of the night sky. Members of the North York Astronomical Association may be on hand with their telescopes to give you opportunities to view the night sky in greater detail.

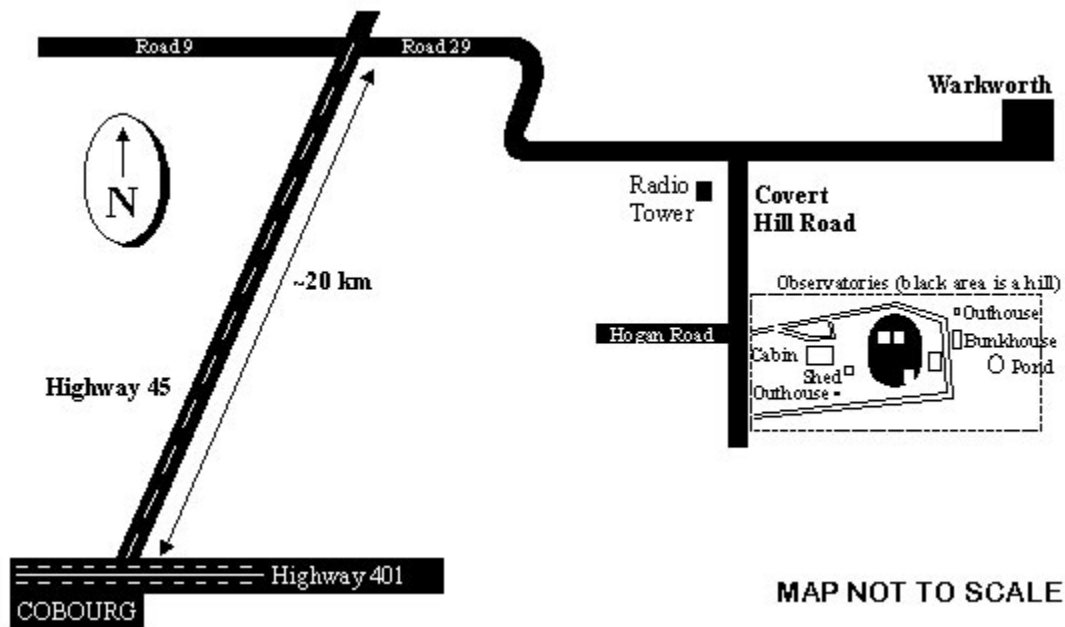
In addition the outing provides opportunities for nature photography on the property -- large beaver pond, meadow and forest areas.

You are welcome to come and go at any time. For those who wish to come early, we have picnic tables available and a barbeque for your use. Bring your own food and drinks.

For further details, contact Andreas – andreas.gada@xplornet.com or 705-924-3109.

For directions to Oak Heights click on the following link or use the attached map.

<http://www.mapquest.com/maps?city=Alnwick-haldimand&state=ON&address=179+Covert+Hill+Road&zipcode=K0K&country=CA&latitude=44.13794&longitude=-77.980376&geocode=ADDRESS>



Directions to Oak Heights:

- Take 401 East to Cobourg.
- Take Hwy 45 north. Go approximately 20 kms north on Hwy 45.
- Turn right/east onto County Rd 29. The sign will also indicate "Warkworth"
- Follow County Rd 29 for approximately 10 km. On route, you will go through Burnley -- big sign, small spot! In Burnley, the road veers to the right, down a little hill and over a bridge which is one way only.
- Continue through a forest to a stop sign. The main road turns left/east. Go to the first road on your right. This is Covert Hill Rd on the right and Ferguson Rd on the left. There is a red brick bungalow on the south west corner. Turn right/south onto Covert Hill Rd.
- Drive past a police tower (on your right), and down a steep hill (approx. 1 km). Toward the bottom of the hill, on the left, is the Oak Heights Observatory, 179 Covert Hill Road. The driveway is opposite Hogan Road. Follow the driveway to the blue cabin or the observing hill.