

Reading Star Charts is essential to finding your way around the universe

What to Bring

- A **RED beam** flashlight
- Binoculars (optional)
- Blanket (optional)
- Warm clothes

Do NOT bring WHITE beam flashlights

White lights destroys night vision for at least 20 minutes

Date/Time	Events	Daisies, Brownies, and Binoculars
Sept 10, 2010 7:00PM	Jupiter M13 Hercules Cluster NGC 7662 Blue Snowball Nebula M81 Bode's Galaxy	Draco Vega Hercules Delphinus Aquila
Oct 8, 2010 6:30PM	Jupiter Neptune Uranus M31 Andromeda Galaxy	Cepheus Pegasus Delphinus Draco
Nov 12, 2010 6:30PM	Jupiter Moon Neptune Uranus NGC 7635 Bubble Nebula M33 Triangulum Galaxy	Moon Aquarius Cassiopeia Andromeda
Mar 11, 2011 6:30PM	Moon - May wash out most of the sky	Moon Andromeda Aries Canis Major Canis Minor
April 8, 2011 7:30PM	Saturn - closest Moon IC2157 Cluster NGC1990 Epsilon Orionis Nebula IC2574 Coddington Nebula Galaxy	Auriga Bootes Camelopardis Cancer

See

http://mcleanresearch.com/g_s_astronomy.html
for current schedule.

Geoff and Kim's phone is: 860-886-8599



Eastern Connecticut Girl Scout

Astronomy Club



The M-31 Andromeda Galaxy is viewable with a small telescope.

Meetings are every 2nd Friday March-November and Special Events at Camp Laurel.

Times vary according to sunset. Indoors meetings are about 1-1 1/2 hours in the Troop House.

Observing lasts as long as desired at the green near the Infirmary

contact : Geoff McLean geoff@mcleanresearch.com or Ellyn Savard ESavard@gsofct.org

We will do our best to accommodate special requests for observing or having a planetarium show.

Who We Are

Libby McLean was one of two girls awarded a trip to the NASA Goddard Space Flight Center where she received five days of space training. Some of this training included learning how to form an astronomy club. Upon her return to Connecticut, she formed the ECGSAC. With funds from a GSUSA/NASA grant, Girl Scouts of Connecticut purchased 3 telescopes. Libby has one of them. In addition, her father, Geoff, has his own telescope which he brings so that everyone can see more objects.

The Telescopes

The Girl Scout telescope is a Celestron 114mm (4.5in) GoTo with an automated setup mode. It has been slightly modified with a green laser pointer which makes finding objects very easy.

The Meade 114mm GoTo is an earlier model that relies more on manual setup. It's long focal length means easy focusing. It has been modified to have an onboard compass and level. A green laser and camera mount has also been installed.

Setup time is now reduced to about five minutes once the lasers are calibrated to the scopes.

Want your own telescope? We have 16 kits that were donated. During bad weather, we'll build those kits and you can take one home. It's a small 2 inch (50mm) f10 refractor - good enough to see the moon close up, Jupiter, and Saturn. It can (and should) be attached to a (camera) tripod (not included) using a 1/4" screw..

Name	RA	Dec	Mag	Type
Kornephoros	16h 30m 42s	21° 28' 07"	2.8	Star
M 13	16h 42m 05s	36° 26' 34"	--	Globular Cluster
M 92	17h 17m 28s	43° 07' 41"	--	Globular Cluster
Mars	11h 56m 30s	0° 56' 07"	1.5	Planet
Mercury	10h 09m 23s	11° 32' 37"	0.04	Planet
NGC 6052	16h 05m 42s	20° 31' 02"	13	Galaxy
Pluto	18h 13m 20s	-18° 22' 27"	14	Planet
Ras Algethi	17h 15m 08s	14° 22' 48"	2.8	Star
Saturn	12h 05m 30s	1° 50' 27"	-0.099	Planet
Venus	11h 21m 32s	4° 36' 43"	-4.1	Planet
γ Hercules	16h 22m 24s	19° 07' 48"	3.7	Star
ζ Hercules	16h 41m 42s	31° 35' 07"	2.8	Star
η Hercules	16h 43m 16s	38° 54' 19"	3.5	Star
μ Hercules	17h 46m 53s	27° 43' 08"	3.4	Star
π Hercules	17h 15m 26s	36° 48' 01"	3.2	Star
ρ Hercules	17h 24m 03s	37° 08' 21"	4.2	Star

Planning an observation night takes time

What We Do

Monthly Meeting

Every 2nd Friday

Time varies upon Sunset

Weather

Good

Telescopes

Binoculars

Eyes

Bad

Celestia (planetarium)

Presentations

Present to Troops

Observing (nighttime)

Planetarium Shows

Solar System Tour

Mars – I History

Mars – II It's Dead, *or is it ???*

Messier Objects

What You Will Learn

* Stars

** Doubles

*** Triples

** Variables

* Clusters

* Nebula

* Galaxies

□ Planets

● Moons

⇒ Direct Observation

⇒ NASA Images

⇒ Reading Star Charts

⇒ Operating Telescopes

⇒ Types of Telescopes

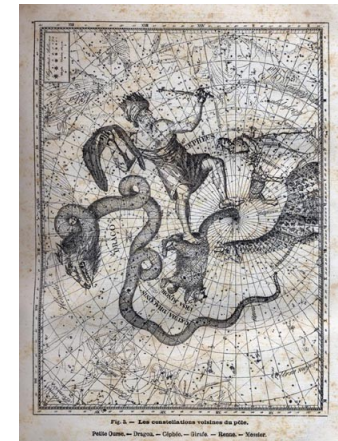
⇒ Planning a Night

⇒ Reference Books

⇒ SETI

⇒ Celestia

⇒ Mythology



Constellation Draco