

<http://www.SkokieValleyAstronomers.org>

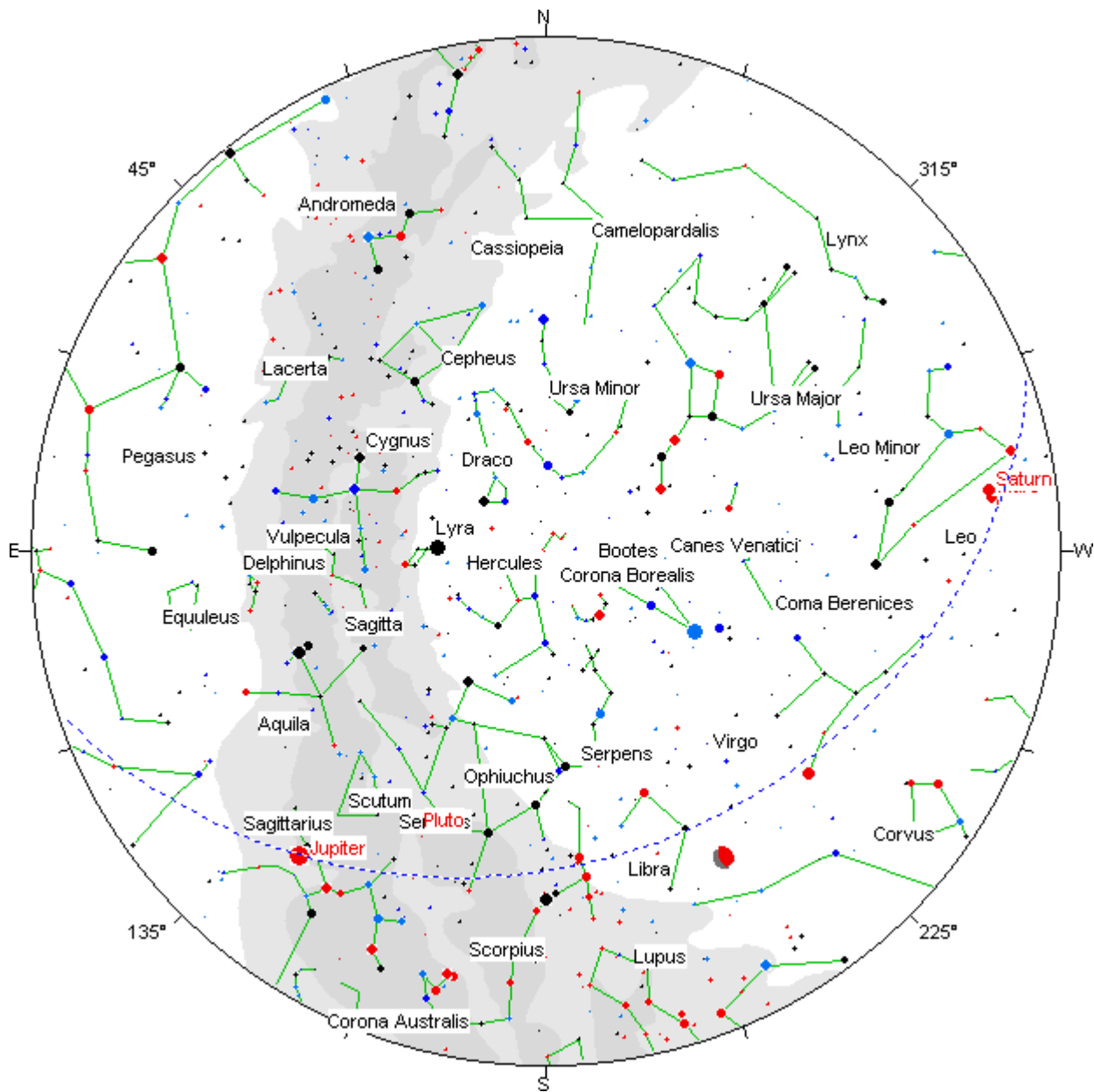
The next meeting will be on Friday, **July 11, 2008**, at 8PM, at the Ryerson Nature Center. Club member **Terry Witt** will give a slide show and talk presenting the events and constellations of the summer season: "**Summer Skies**".

After the talk, we will move outside for viewing if weather conditions permit. Remember to dress for the weather, and bring your binoculars and telescopes.

Skokie Valley Astronomer club dues are \$20 per year, which runs from April to March. Please check your mailing label. Does it say "**member through March 2009**"? If not, please consider becoming a member.

2008 Date	Talk	Speaker	Moon Elongation and Phase
August 8	Update on Apophis	Dale Dellutri	93°E – First Quarter
Club member Dale Dellutri will present the results of a contest to track the Earth-crossing, potentially dangerous asteroid Apophis.			
September 8	An Unusual Observatory in Jaipur	Stacey Greenhill	93°E – First Quarter
Club member Stacey Greenhill will talk about Jantar Mantar, the Mughal observatory in Jaipur, India.			
October 10	Spinoffs From the Space Program	Dale Dellutri	132°E – First Quarter
Club member Dale Dellutri will talk about the most recent spinoffs, the technological breakthroughs derived from the NASA space program.			
November 14	Hardware Show-'N-Tell	Membership	153°W – Full Moon
The club membership will show their prized equipment and talk about its use.			
December 12	TBA	TBA	173°W – Full Moon

**FRIDAY – JULY 11, 2008 -- 8 PM**  
**RYERSON NATURE CENTER / THE WELCOME CENTER**  
**21950 RIVERWOODS RD, DEERFIELD**  
**42° 10' 55" N, 87° 54' 56" W**



Go to [AstroHobby.com](http://AstroHobby.com) for an explanation of the solar system ephemeris table.

Universal Time (UTC): Saturday 2008-07-12 03:00:00

UTC Adjustment (Time - UTC): -05:00

Date, Time: Friday 2008-07-11 22:00:00

Longitude: West 87.91556° = 87° 54' 56" Latitude: North 42.18194° = 42° 10' 55"

Julian Day: 2454659.62500000 ( +77.0s = Dynamical time)

Local Sidereal Time: 16h 31.2m

Moon Phase: First Quarter +22°

Object	-----J2000.0-----		----Horizon----		---Ecliptical--		Anglr	Illum
	RA	Dec	Azimuth	Alt	Elong	Constel	Size	
Sun	07h 26.7m	+21° 56'	138° NW	-13°		Gem	31.5'	
Mercury	06h 08.3m	+22° 23'	156° NNW	-21°	18° W	Gem	6.3"	66%
Venus	08h 05.9m	+21° 29'	130° NW	-8°	9° E	Cnc	9.9"	99%
Mars	10h 33.2m	+10° 12'	97° W	+7°	46° E	Leo	4.3"	95%
Jupiter	19h 13.8m	-22° 33'	321° SE	+15°	177° E	Sgr	47.3"	
Saturn	10h 31.6m	+11° 04'	98° W	+8°	45° E	Leo	16.5"	
Uranus	23h 33.5m	-03° 43'	262° E	-13°	118° W	Psc	3.6"	
Neptune	21h 44.1m	-13° 58'	288° ESE	+0°	146° W	Cap	2.3"	
Pluto	17h 56.5m	-17° 05'	337° SSE	+28°	159° E	Sgr	0.1"	
Moon	14h 28.5m	-21° 00'	30° SSW	+21°	112° E	Lib	29.8'	68%