

<http://www.SkokieValleyAstronomers.org>

The next meeting will be on Friday, **April 11, 2008**, at 8PM, at the Ryerson Nature Center. Club member **Gretchen Patti** will present “**Catching Neutrinos**”. She'll describe experiments that observe the elusive neutrinos produced by supernova explosions, cosmic rays, and our own Sun.

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
May 9	Stellar Reports	Frances Dellutri Joe Ulowetz TBA	64°E – First Quarter

Three club members give brief presentations on topics of interest.

June 13	Cassini-Huygens at Saturn	Jim Kovac John Vittallo	130°E – First Quarter
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Club members and Solar System Ambassadors Jim Kovac and John Vittallo will show some glorious pictures and present new discoveries at the ringed planet.

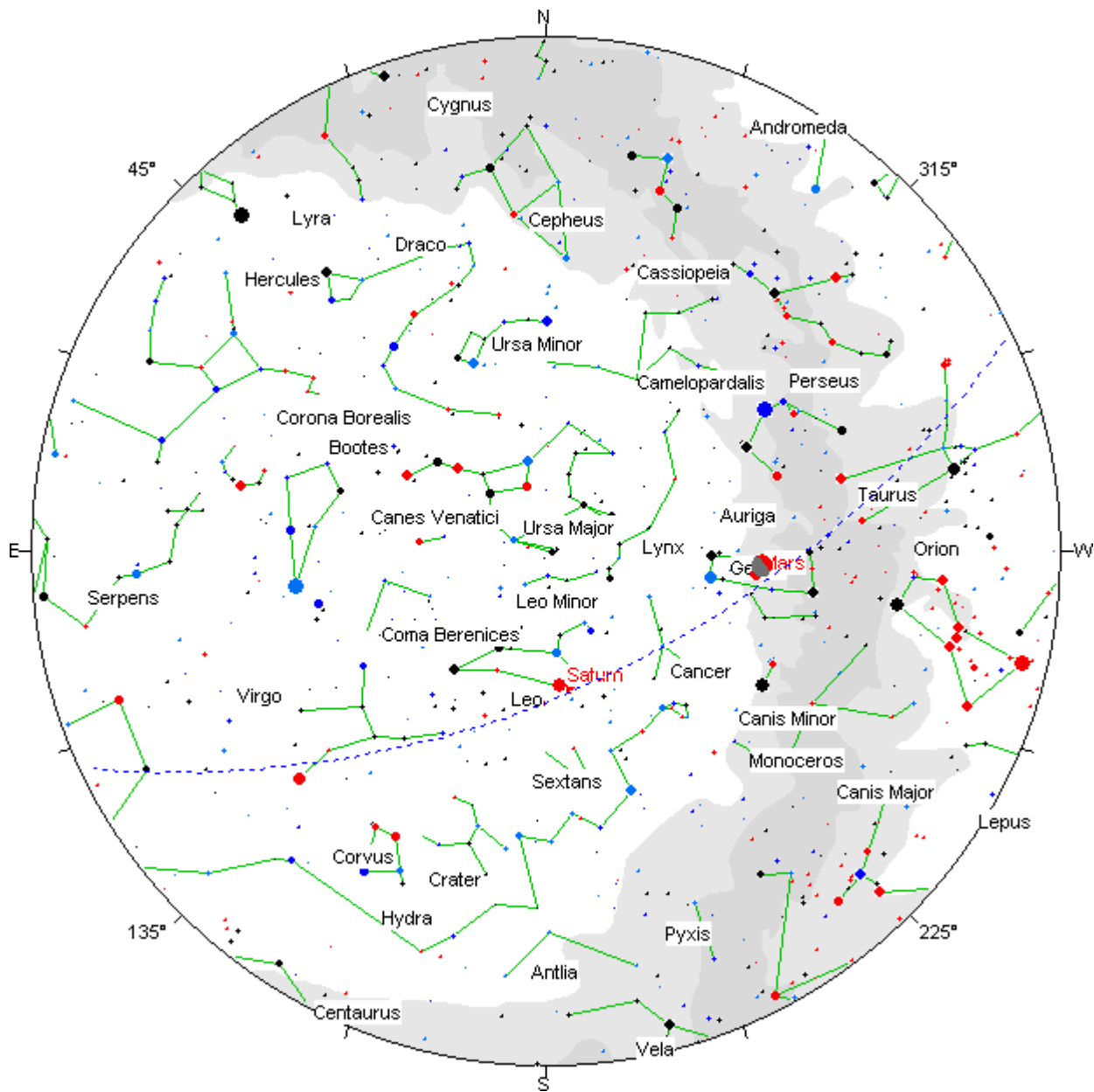
July 11	Summer Skies	Terry Witt	112°E – First Quarter
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Club member Terry Witt will give a slide show and talk presenting the events and constellations of the summer season.

August 8	Update on Apophis	Dale Dellutri	93°E – First Quarter
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Club member Dale Dellutri will present the results of a contest to track the Earth-crossing, potentially dangerous asteroid Apophis.

**FRIDAY – APRIL 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 2008-04-12 03:00:00  
 UTC Adjustment (Time - UTC): -05:00

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 Date, Time: Friday 2008-04-11 22:00:00  
 Longitude: West 87.91556° = 87° 54' 56"  
 Latitude: North 42.18194° = 42° 10' 55"  
 Julian Day: 2454568.62500000 ( +76.7s = Dynamical time)  
 Local Sidereal Time: 10h 32.4m  
 Moon Phase: First Quarter -9°

Object	-----J2000.0-----		----Horizon----		---Ecliptical---		Anglr	
	RA	Dec	Azimuth	Alt	Elong	Constel	Size	Illum
Sun	01h 23.1m	+08° 44'	132° NW	-25°		Psc	31.9'	
Mercury	01h 08.0m	+05° 51'	134° NW	-29°	5° W	Psc	5.0"	99%
Venus	00h 28.7m	+01° 27'	141° NW	-38°	15° W	Psc	10.2"	97%
Mars	07h 09.5m	+24° 36'	84° W	+45°	83° E	Gem	6.5"	90%
Jupiter	19h 31.2m	-21° 46'	256° ENE	-46°	91° W	Sgr	38.7"	
Saturn	10h 18.4m	+12° 29'	7° S	+60°	129° E	Leo	19.2"	
Uranus	23h 25.9m	-04° 28'	159° NNW	-49°	32° W	Aqr	3.3"	
Neptune	21h 44.2m	-13° 56'	204° NNE	-59°	59° W	Cap	2.2"	
Pluto	18h 04.2m	-17° 02'	268° E	-27°	111° W	Sgr	0.1"	
Moon	07h 00.5m	+25° 40'	86° W	+44°	81° E	Gem	32.4'	42%