

<http://www.SkokieValleyAstronomers.org>

The next meeting will be on **Friday, February 10, 2012**, at **8PM**, at the Ryerson Nature Center. Club members **Dan & Tom Roush** will present an overview of astronomical software that is available for home computers, mobile devices and telescopes: **“Virtual Skies for Winter Nights”**.

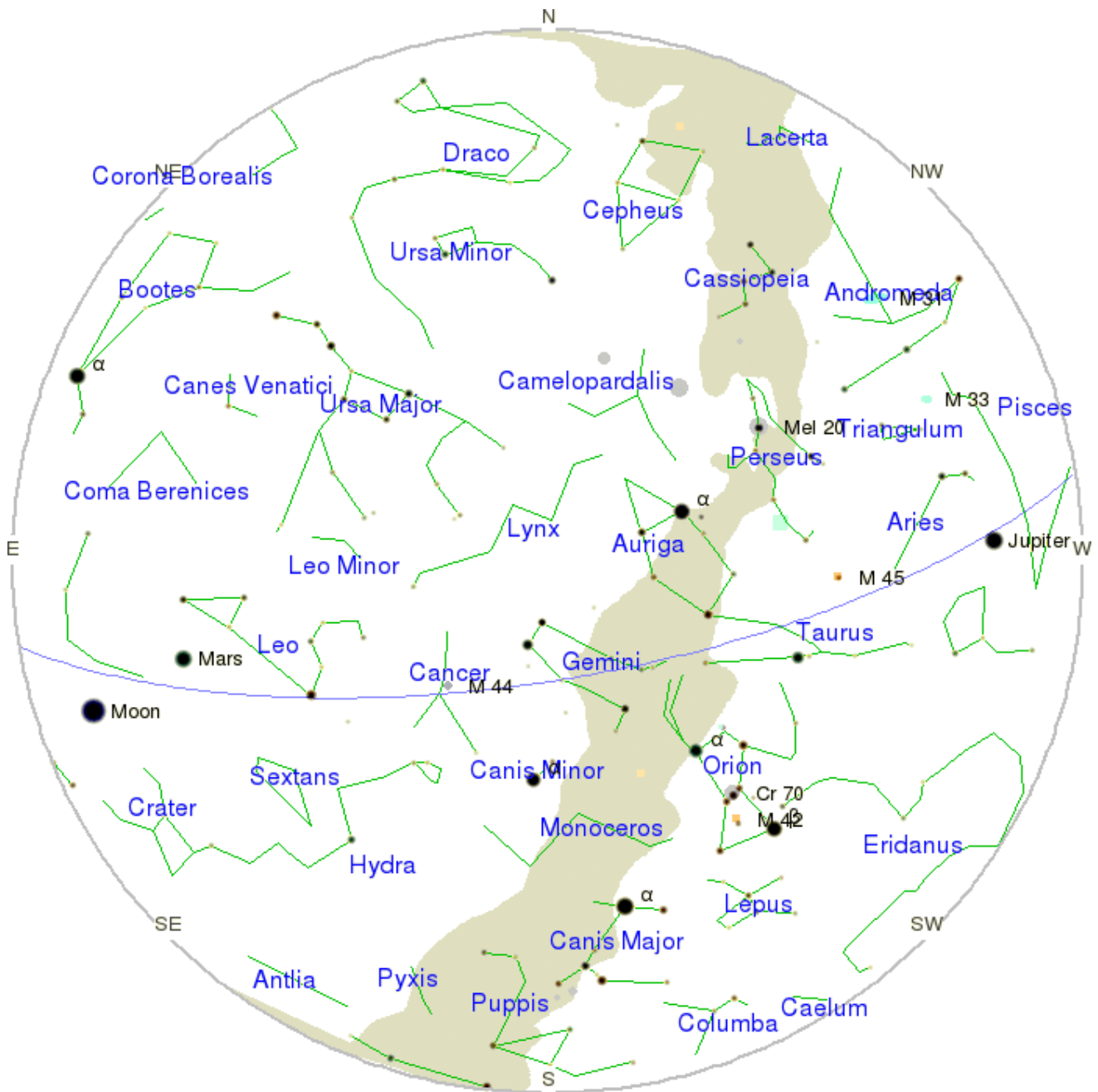
After the talk, we will move outside for viewing if weather conditions permit. Remember to dress for the weather, and bring your binoculars and telescopes.

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 2012”**? If not, please consider becoming a member.

It's time to renew! Please use the **2012 sign-up form** enclosed with this newsletter.

2012 Date	Talk	Speaker	Moon Elongation and Phase
March 9	Sampling the Solar System in 3-D	Nancy Lew	155°W – Last Quarter
Club member Nancy Lew will show some of the moons, planets, and other objects in our solar system in 3-D, using 3-D glasses and 3-D images produced by the Lunar and Planetary Institute.			
April 13	Building a Backyard Observatory	Joe Ulowetz	81°W – Last Quarter
Club member Joe Ulowetz will describe the 10x10' roll-off roof observatory he built in his backyard to do astrophotography.			
May 11	Don't Miss the Last Venus Transit of Your Lifetime!	Dale Dellutri	99°W – Last Quarter
Club member Dale Dellutri will discuss when and how to safely observe the June 5, 2012 transit of Venus.			
June 8	Three Short Talks	(TBA)	117°W – Last Quarter
Three club members will present short talks about the cosmos.			

**RYERSON NATURE CENTER / THE WELCOME CENTER
21850 RIVERWOODS RD, DEERFIELD – 42° 10' 55" N, 87° 54' 56" W**



Go to AstroHobby.com for an explanation of the solar system ephemeris table.

Universal Time (UTC): Saturday 2012-02-11 04:00:00

UTC Adjustment (Time - UTC): -06:00

Date, Time: Friday 2012-02-10 22:00:00

Longitude: West 87.91278° = 87° 54' 46"

Latitude: North 42.18194° = 42° 10' 55"

Julian Day: 2455968.66666667 (+82.2s = Dynamical time)

Local Sidereal Time: 07h 32.3m

Moon Phase: Full +44°

Object	RA	Dec	Horizon		Ecliptical		Anglr	
			Azimuth	Alt	Elong	Constel	Size	Illum
Sun	21h 36.1m	-14° 17'	127° NW	-50°		Cap	32.4'	
Mercury	21h 50.1m	-15° 09'	122° WNW	-49°	3° E	Cap	4.9"	99%
Venus	00h 12.5m	+00° 59'	104° WNW	-13°	42° E	Psc	16.2"	71%
Mars	11h 32.6m	+07° 22'	285° ESE	+27°	151° W	Leo	12.8"	98%
Jupiter	02h 07.6m	+11° 48'	93° W	+15°	72° E	Ari	37.9"	
Saturn	13h 52.8m	-08° 47'	273° E	-9°	112° W	Vir	17.8"	
Uranus	00h 08.7m	+00° 10'	104° WNW	-14°	40° E	Psc	3.4"	
Neptune	22h 09.6m	-11° 56'	120° WNW	-43°	8° E	Aqr	2.2"	
Pluto	18h 36.0m	-19° 17'	211° NNE	-63°	43° W	Sgr	0.1"	
Moon	12h 12.6m	-06° 47'	289° ESE	+10°	136° W	Vir	32.6'	86%