

<http://www.SkokieValleyAstronomers.org>

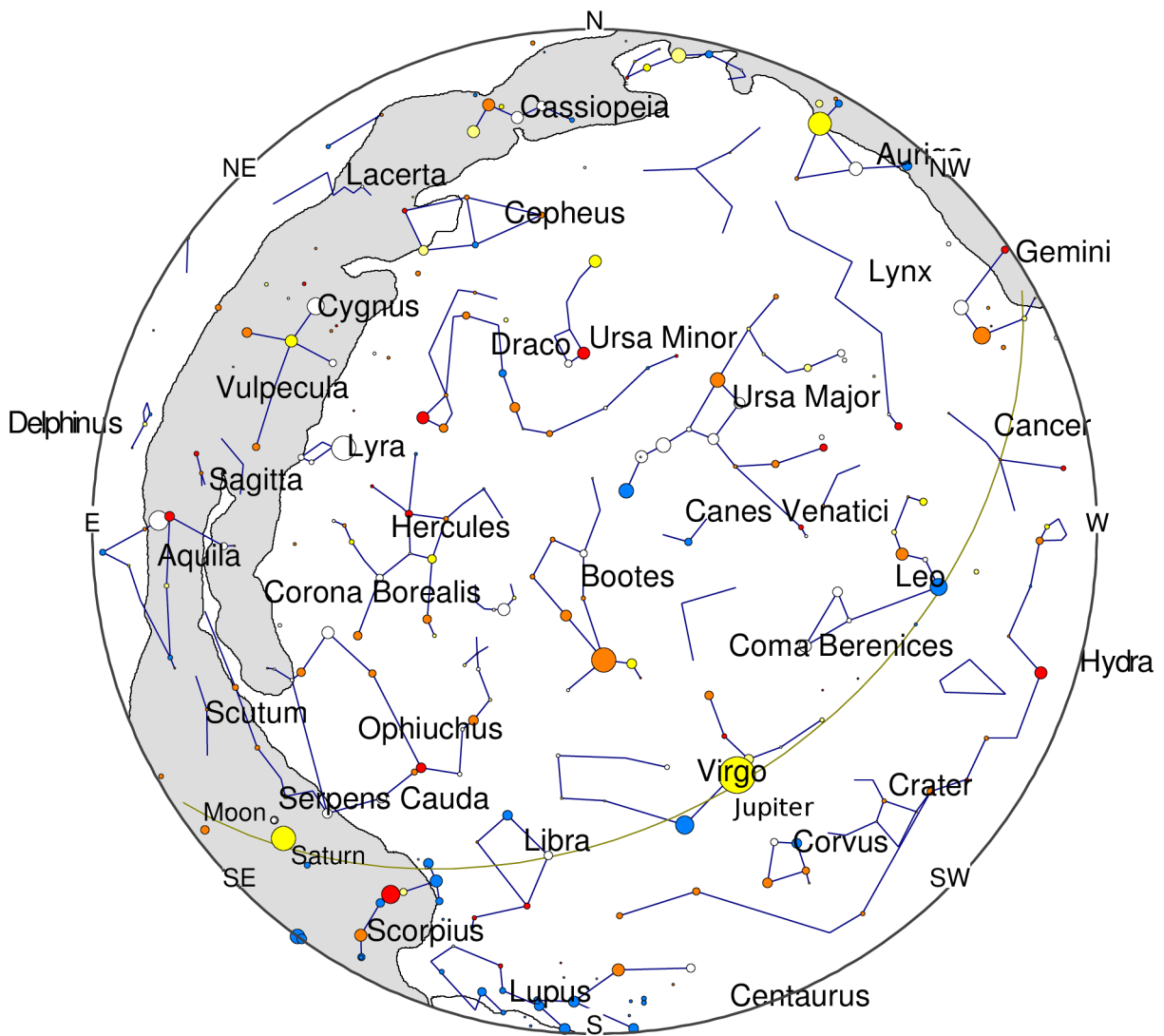
The next meeting will be on **Friday, June 9, 2017**, at **8PM**, at the Welcome Center of Ryerson Woods. Club member **Jeff Schmitz** challenges you, if you dare, to consider whether ghost galaxies might be composed of mysterious dark matter: **"Ghost Galaxies"**.

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 2018"**? If not, please consider becoming a member.

2017 Date	Talk	Speaker	Moon Elongation and Phase
July 14	How To Think Like a Scientist– The Virtue Of Doubt In a Certain World	Andrew Rivers	111°W – Last Quarter
Andrew Rivers, Associate Professor at Northwestern University, will talk about the nature of science and the scientific method and how we decide our relative certainty and degrees of doubt in different discoveries and ideas.			
August 11	An Update on Neutrino Research	Gretchen Patti	127°W – Last Quarter
Club member Gretchen Patti says that it's hard to study something that's very nearly nothing! Come hear about the latest attempts to capture and measure that almost-nothing particle: the Neutrino.			
September 8	Planet Earth As Art: The View From Space	Jim Plaxco	144°W – Full Moon
Chicago Society for Space Studies President and Digital Artist Jim Plaxco will show satellite images of the Earth, and discuss how these images are created and processed to reveal the hidden beauty of our planet.			
October 13 (TBA)	Native American Star Stories	Penni Isaacson	69°W – Last Quarter

**RYERSON WOODS / WELCOME CENTER  
21950 RIVERWOODS RD, DEERFIELD, IL 60015  
42° 10' 55" N, 87° 54' 56" W**



Universal Time (UTC): Saturday 2017-06-10 03:00:00  
 UTC Adjustment (Time - UTC): -05:00

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 Date, Time: Friday 2017-06-09 22:00:00  
 Longitude: West 87.91556° = 87° 54' 56"  
 Latitude: North 42.18194° = 42° 10' 55"  
 Julian Day: 2457914.62500000 ( +90.0s = Dynamical time)  
 Local Sidereal Time: 14h 24.5m  
 Moon Phase: Full +7°

Object	-----J2000.0-----		----Horizon---		---Ecliptical--		Anglr	
	RA	Dec	Azimuth	Alt	Elong	Constel	Size	Illum
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Sun	05h 13.0m	+22° 59'	140° NW	-13°		Tau	31.5'	
Mercury	04h 16.5m	+20° 24'	151° NNW	-21°	13° W	Tau	5.5"	85%
Venus	02h 08.7m	+10° 18'	185° N	-36°	46° W	Ari	22.3"	53%
Mars	06h 14.8m	+24° 18'	129° NW	-4°	14° E	Gem	3.7"	99%
Jupiter	12h 49.9m	-03° 50'	31° SSW	+39°	114° E	Vir	39.7"	
Saturn	17h 36.9m	-21° 58'	315° SE	+12°	175° W	Sco-Oph	18.3"	
Uranus	01h 41.6m	+09° 55'	193° NNE	-36°	52° W	Psc	3.4"	
Neptune	23h 02.5m	-07° 07'	246° ENE	-33°	95° W	Aqr	2.2"	
Pluto	19h 20.0m	-21° 20'	296° ESE	-2°	151° W	Sgr	0.1"	
Moon	17h 43.2m	-19° 40'	312° SE	+13°	173° W	Sco-Oph	29.5'	100%