

<http://www.SkokieValleyAstronomers.org>

The next meeting will be on **Friday, October 13, 2017**, at **8PM**, at the Welcome Center of Ryerson Woods. Club member **Penni Isaacson** will present a native American slant on some of our favorite constellations: **"Winter Stories"**.

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
November 11	Curious Exoplanet Scientists Want To Know: Is There Life on Earth?	Dale Dellutri	85°W – Last Quarter

Club member Dale Dellutri will explore whether scientists on other planets could determine if there is life on Earth.

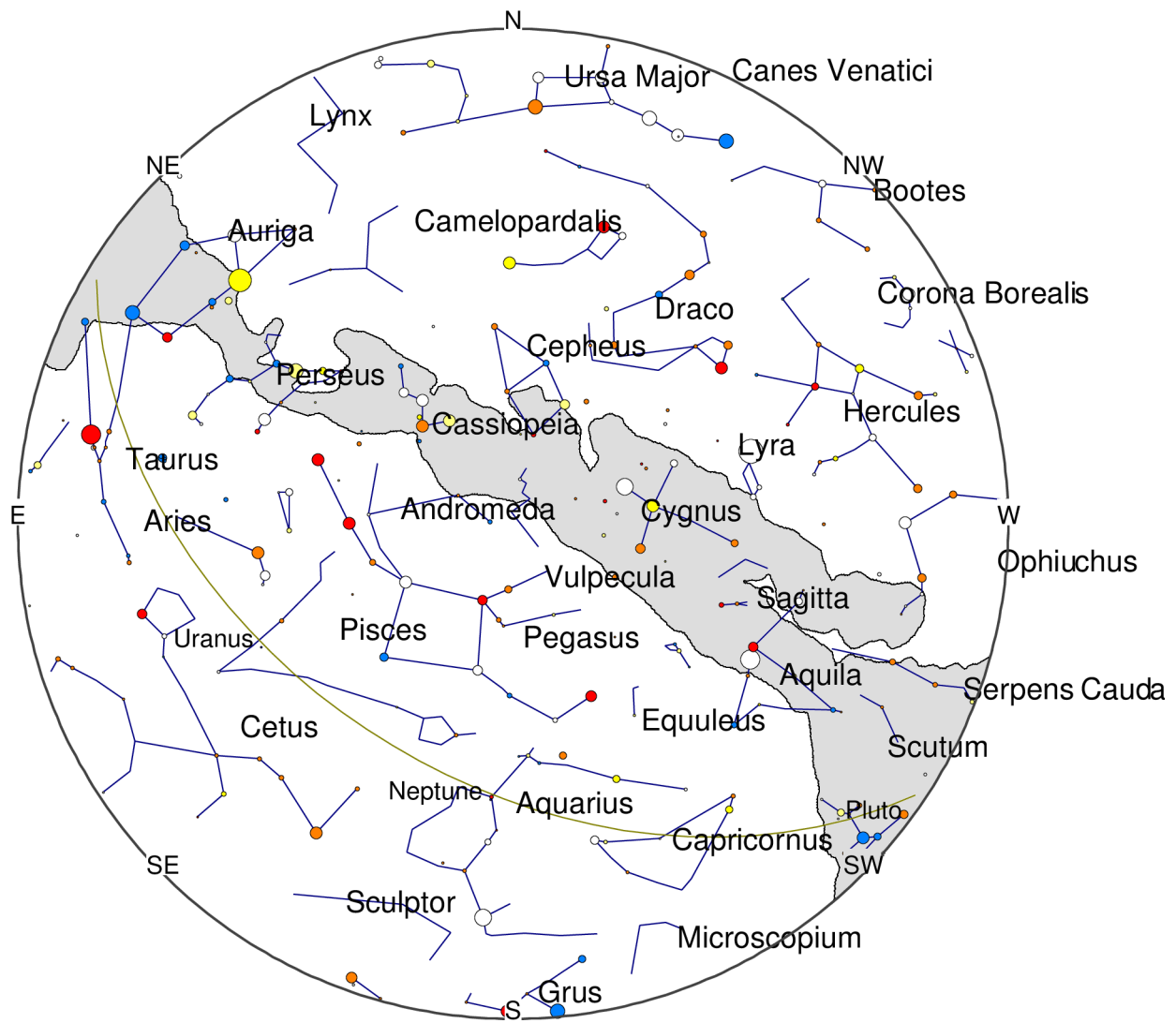
December 8	Planet Earth As Art: The View From Space	Jim Plaxco	104°W – Full Moon
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Chicago Society for Space Studies President and Digital Artist Jim Plaxco will show satellite images of the Earth, and discuss how these images are created and processed to reveal the hidden beauty of our planet.

2018 Date	Talk	Speaker	Moon Elongation and Phase
January 12	The Skies of 2018	Terry Witt	42°W – New Moon

Club member Terry Witt will discuss all the observing opportunities in the skies in 2018.

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



Universal Time (UTC): Saturday 2017-10-14 03:00:00
 UTC Adjustment (Time - UTC): -05:00

 Date, Time: Friday 2017-10-13 22:00:00
 Longitude: West 87.91556° = 87° 54' 56"
 Latitude: North 42.18194° = 42° 10' 55"
 Julian Day: 2458040.62500000 (+90.5s = Dynamical time)
 Local Sidereal Time: 22h 41.3m
 Moon Phase: Last Quarter +21°

Object	-----J2000.0-----		----Horizon---		---Ecliptical--		Angr Size	Illum
	RA	Dec	Azimuth	Alt	Elong	Constel		
Sun	13h 16.5m	-08° 05'	123° WNW	-41°		Vir	32.1'	
Mercury	13h 31.5m	-08° 57'	119° WNW	-39°	4° E	Vir	4.7"	99%
Venus	12h 00.1m	+01° 37'	152° NNW	-42°	21° W	Vir	10.9"	93%
Mars	11h 40.9m	+03° 19'	159° NNW	-42°	26° W	Vir	3.7"	98%
Jupiter	13h 55.1m	-10° 41'	112° WNW	-36°	10° E	Vir	30.7"	
Saturn	17h 29.2m	-22° 12'	66° WSW	-5°	62° E	Sco-Oph	15.8"	
Uranus	01h 39.2m	+09° 39'	296° ESE	+39°	174° W	Psc	3.7"	
Neptune	22h 53.7m	-08° 04'	356° S	+40°	141° E	Aqr	2.3"	
Pluto	19h 12.0m	-21° 48'	48° SW	+10°	86° E	Sgr	0.1"	
Moon	08h 55.8m	+15° 36'	209° NNE	-26°	69° W	Cnc	31.6'	32%