

<http://www.SkokieValleyAstronomers.org>

The next meeting will be on **Friday, November 10, 2017**, at **8PM**, at the Welcome Center of Ryerson Woods. Club member **Dale Dellutri** will explore whether scientists on other planets could determine if there is life on Earth: **“Curious Exoplanet Scientists Want To Know: Is There Life on Earth?”**

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.

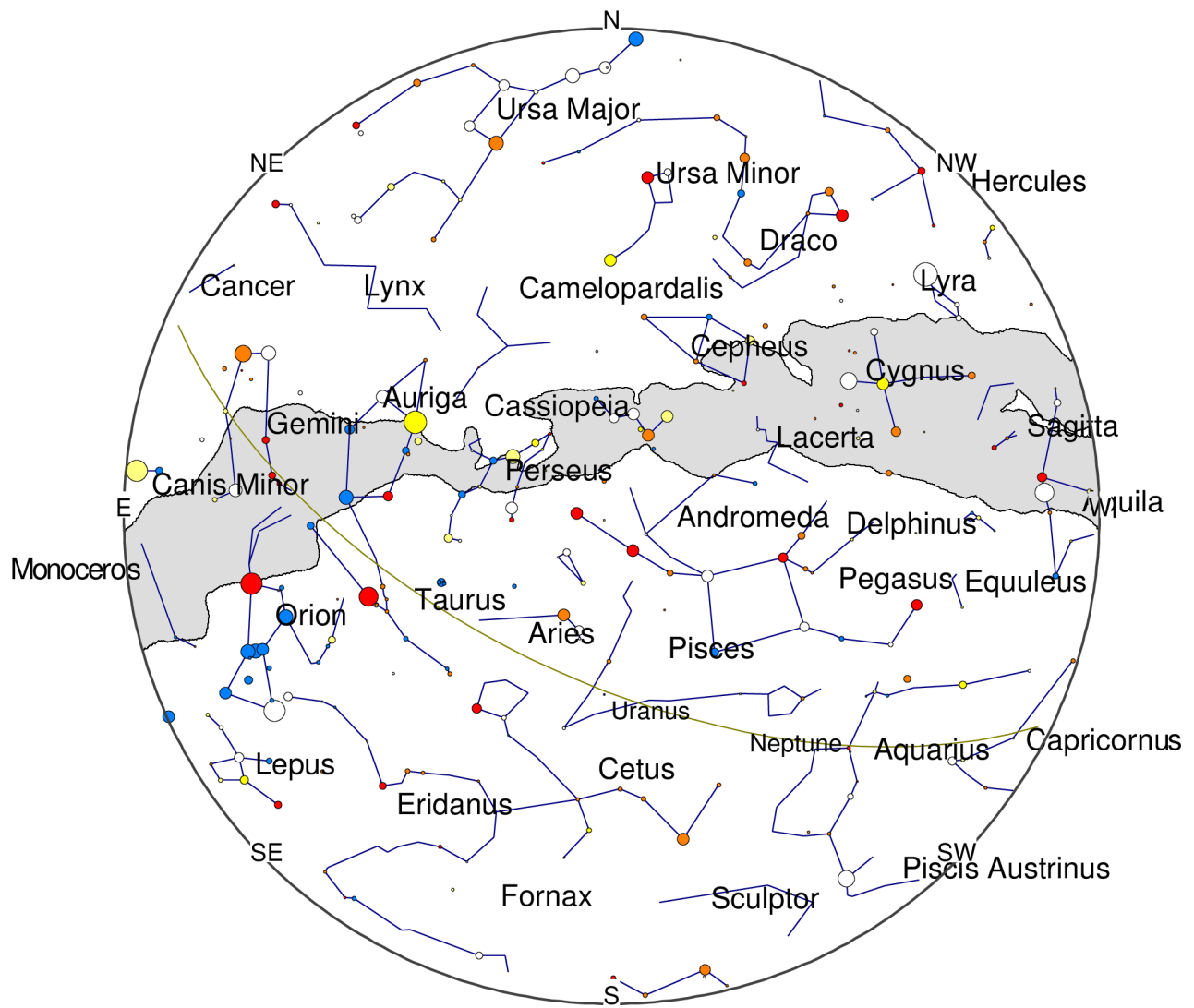
Skokie Valley Astronomer club dues are \$20 per year, which runs from April to March. Please check your mailing label. Does it say **“member through March 2018”**? If not, please consider becoming a member.

2017 Date	Talk	Speaker	Moon Elongation and Phase
December 8	Planet Earth As Art: The View From Space	Jim Plaxco	104°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.

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.			
February 9	TBD	TBD	62°W – Last Quarter
March 9	TBD	TBD	82°W – Last Quarter
April 13	TBD	Michelle Nichols	25°W – New Moon
May 11	TBD	TBD	44°W – New Moon
June 8	TBD	TBD	62°W – Last Quarter
July 13	Gravitational Waves	Dr Andrew Rivers	14°E – New Moon
Dr Andrew Rivers, Distinguished Senior Lecturer at Northwestern University, will talk about gravitational waves.			
August 10	Tabby’s Star and Other Discoveries	Jim Kovac	4°W – New Moon
Jim Kovac, NASA Solar System Ambassador, will talk about the latest discoveries concerning Tabby’s Star.			

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



Universal Time (UTC): Saturday 2017-11-11 04:00:00
 UTC Adjustment (Time - UTC): -06:00

 Date, Time: Friday 2017-11-10 22:00:00
 Longitude: West 87.91556° = 87° 54' 56"
 Latitude: North 42.18194° = 42° 10' 55"
 Julian Day: 2458068.66666667 (+90.6s = Dynamical time)
 Local Sidereal Time: 01h 31.8m
 Moon Phase: Last Quarter +5°

Object	-----J2000.0-----		----Horizon---		---Ecliptical--		Anglr	
	RA	Dec	Azimuth	Alt	Elong	Constel	Size	Illum
-----	-----	-----	-----	-----	-----	-----	-----	-----
Sun	15h 05.0m	-17° 23'	134° NW	-57°		Lib	32.3'	
Mercury	16h 20.8m	-23° 46'	104° WNW	-49°	19° E	Sco	5.4"	85%
Venus	14h 10.3m	-11° 43'	161° NNW	-57°	14° W	Vir	10.3"	97%
Mars	12h 45.9m	-03° 43'	198° NNE	-49°	37° W	Vir	4.0"	97%
Jupiter	14h 18.6m	-12° 46'	157° NNW	-58°	12° W	Vir	30.7"	
Saturn	17h 40.0m	-22° 23'	90° W	-34°	37° E	Sco-Oph	15.3"	
Uranus	01h 35.0m	+09° 15'	358° S	+57°	157° E	Psc	3.7"	
Neptune	22h 52.3m	-08° 12'	46° SW	+28°	113° E	Aqr	2.3"	
Pluto	19h 13.7m	-21° 48'	76° WSW	-16°	58° E	Sgr	0.1"	
Moon	09h 42.7m	+13° 30'	237° ENE	-13°	85° W	Leo	31.6'	46%