

<http://www.SkokieValleyAstronomers.org>

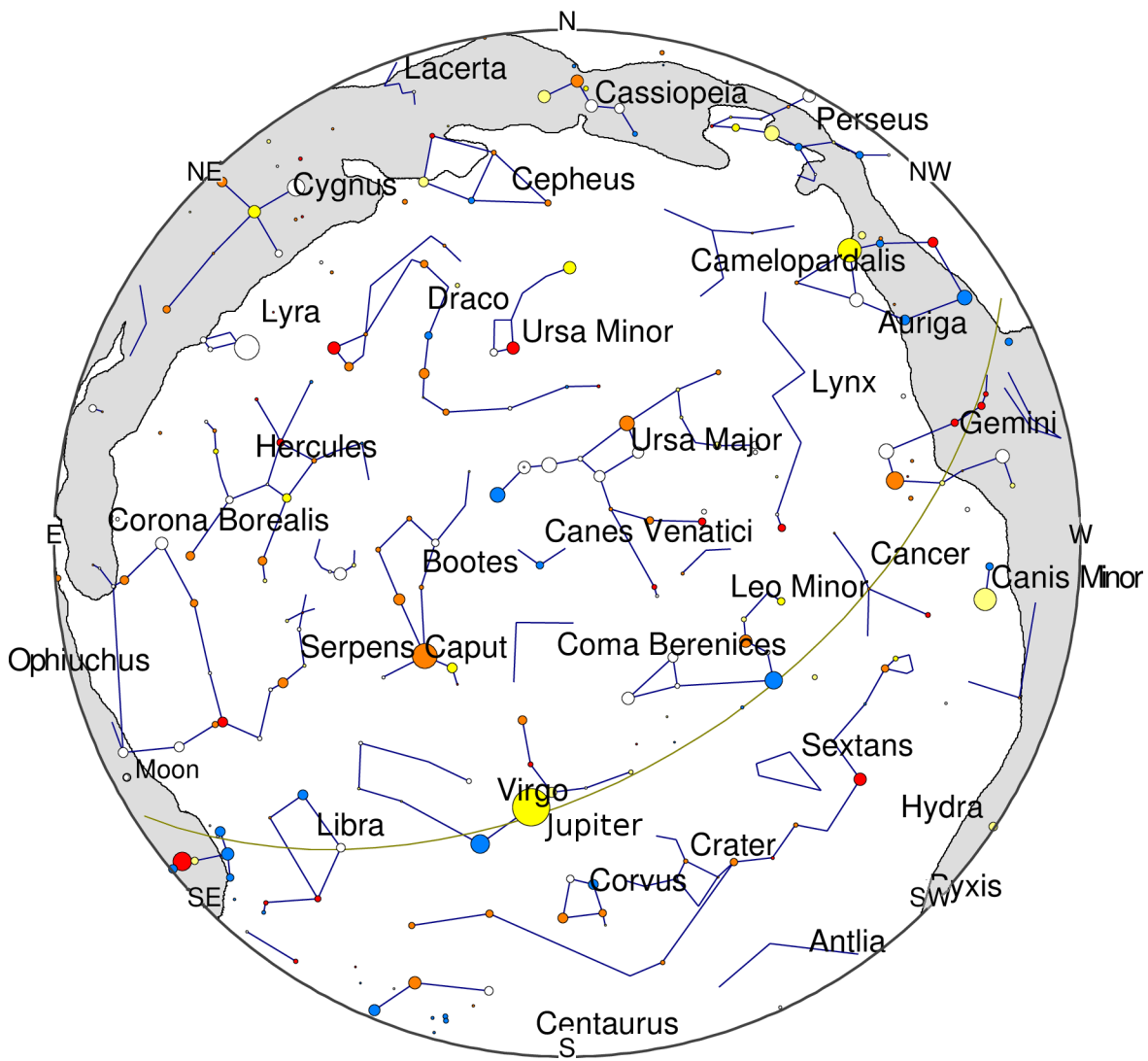
The next meeting will be on **Friday, May 12, 2017**, at **8PM**, at the Welcome Center of Ryerson Woods. **Barak Stoltz**, a Manufacturing Engineering Intern at SpaceX, will discuss the recent enthusiasm driving the changes in technological boundaries in the chase for colonizing Mars: **“The New Age of Space Exploration”**.

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
June 9 (TBA)	(TBA)	(TBA)	173°W – Full Moon
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 (TBA)	(TBA)	Gretchen Patti	127°W – Last Quarter
September 8 (TBA)	(TBA)	(TBA)	144°W – Full Moon
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 2017-05-13 03:00:00
 UTC Adjustment (Time - UTC): -05:00

 Date, Time: Friday 2017-05-12 22:00:00
 Longitude: West 87.91556° = 87° 54' 56"
 Latitude: North 42.18194° = 42° 10' 55"
 Julian Day: 2457886.62500000 (+89.9s = Dynamical time)
 Local Sidereal Time: 12h 34.1m
 Moon Phase: Full +25°

Object	-----J2000.0-----		----Horizon---		---Ecliptical--		Anglr	
	RA	Dec	Azimuth	Alt	Elong	Constel	Size	Illum
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Sun	03h 19.6m	+18° 20'	138° NW	-17°		Ari	31.7'	
Mercury	01h 46.3m	+07° 34'	157° NNW	-36°	25° W	Psc	9.0"	32%
Venus	00h 32.3m	+02° 56'	180° N	-44°	44° W	Psc	31.7"	36%
Mars	04h 52.9m	+23° 17'	124° WNW	+0°	22° E	Tau	3.8"	98%
Jupiter	12h 54.2m	-04° 09'	353° S	+43°	142° E	Vir	42.6"	
Saturn	17h 44.9m	-22° 01'	294° ESE	-5°	146° W	Sgr	18.0"	
Uranus	01h 36.6m	+09° 27'	160° NNW	-35°	26° W	Psc	3.4"	
Neptune	23h 01.3m	-07° 13'	217° NE	-48°	69° W	Aqr	2.2"	
Pluto	19h 21.9m	-21° 14'	278° E	-22°	123° W	Sgr	0.1"	
Moon	17h 06.4m	-18° 40'	298° ESE	+3°	155° W	Sco-Oph	29.4'	95%