

<http://www.SkokieValleyAstronomers.org>

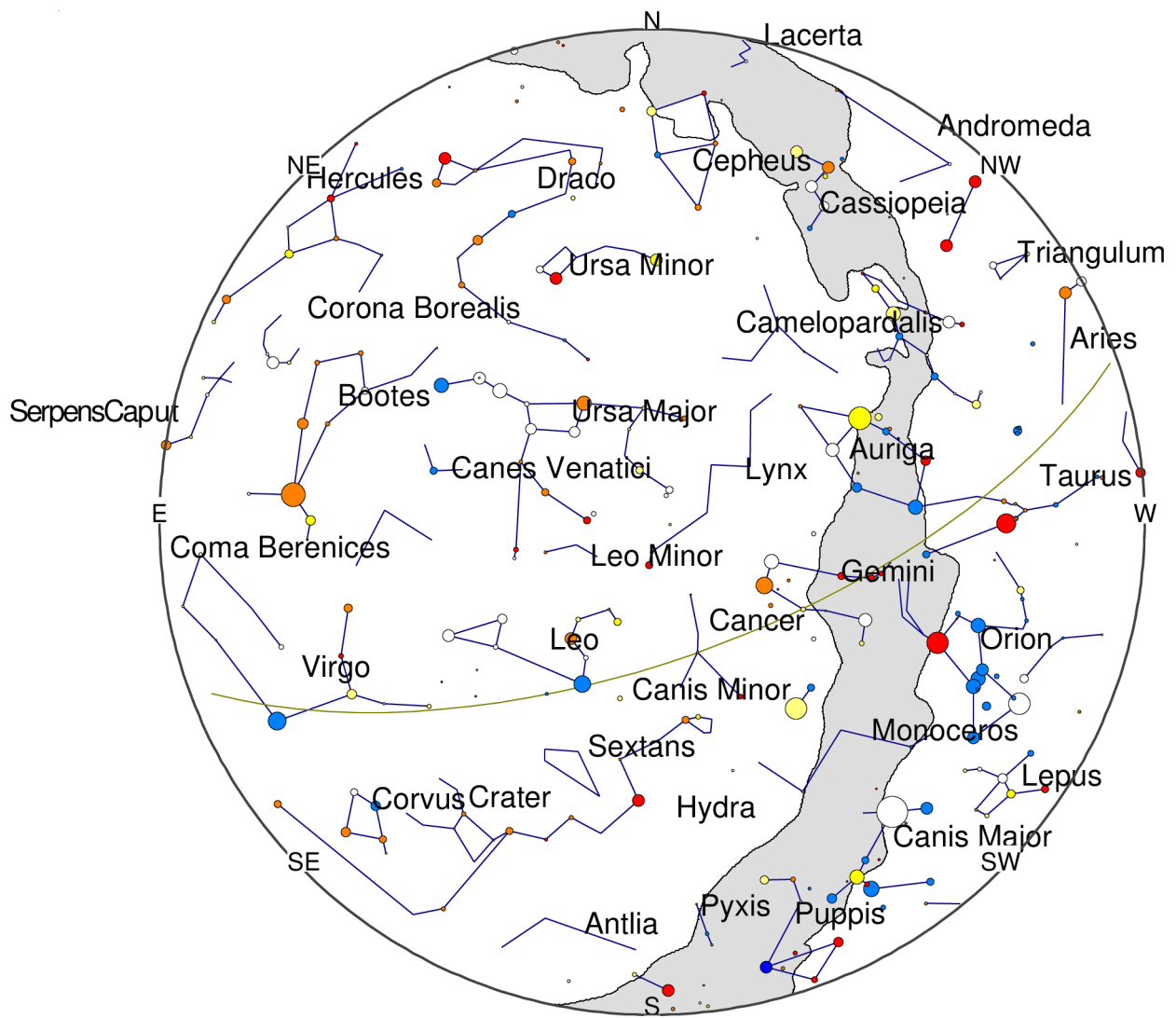
The next meeting will be on **Friday, March 9, 2018**, at **8PM**, at the Welcome Center of Ryerson Woods. Club member **Andy Kurz** will talk about **The Voyager Expedition**.

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.

2018 Date	Talk	Speaker	Moon Elongation and Phase
April 13	TLC For a Big Telescope	Michelle Nichols	25°W – New Moon
Michelle Nichols, Master Educator at Adler Planetarium, will talk about how the Adler Planetarium teamed with experts from the Fox Valley Astronomical Society to bring the 20 inch Doane telescope back to life (and hear how a bathroom hair dryer played a part!).			
May 11	Antimatter	Gretchen Patti	44°W – New Moon
June 8	Space Debris and Solar System Visitors	Jeff Schmitz	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 2018-03-10 04:00:00
 UTC Adjustment (Time - UTC): -06:00

 Date, Time: Friday 2018-03-09 22:00:00
 Longitude: West 87.91556° = 87° 54' 56"
 Latitude: North 42.18194° = 42° 10' 55"
 Julian Day: 2458187.66666667 (+91.1s = Dynamical time)
 Local Sidereal Time: 09h 21.0m
 Moon Phase: Last Quarter +8°

Object	-----J2000.0-----		----Horizon---		---Ecliptical--		Angr Size	Illum
	RA	Dec	Azimuth	Alt	Elong	Constel		
Sun	23h 20.6m	-04° 14'	136° NW	-42°		Aqr	32.2'	
Mercury	00h 20.9m	+03° 16'	126° NW	-28°	17° E	Psc	6.3"	68%
Venus	00h 15.5m	+00° 22'	125° NW	-31°	14° E	Psc	10.2"	97%
Mars	17h 40.0m	-23° 13'	265° E	-40°	84° W	Sco-Oph	7.1"	89%
Jupiter	15h 23.6m	-17° 20'	283° ESE	-11°	116° W	Lib	40.1"	
Saturn	18h 33.2m	-22° 20'	253° ENE	-49°	72° W	Sgr	16.0"	
Uranus	01h 37.6m	+09° 34'	115° WNW	-11°	37° E	Psc	3.4"	
Neptune	23h 02.1m	-07° 10'	140° NW	-47°	5° W	Aqr	2.2"	
Pluto	19h 28.8m	-21° 30'	237° ENE	-58°	59° W	Sgr	0.1"	
Moon	17h 49.0m	-19° 59'	260° E	-40°	82° W	Sgr	29.3'	43%