

## STAR PARTY DATES for 2020

--- OAK MOUNTAIN SATURDAYS ---

Date	Sun	Moon			Moon	Moon		Twilight			
	Set	Rise			Set	Phase		Civil	Nautical	Astron.	
	PM							PM	PM	PM	
18-Jan	5:04	1:59	AM	*	12:15	PM	Crescent Waning	[6.9]	5:36	6:06	6:36
15-Feb	5:31	4:00	AM		10:53	AM	Gibbous Waning	[8.4]	6:00	6:30	6:58
28-Mar	6:04	8:10	AM		10:06	PM	Crescent Waxing	(3.2)	6:33	7:02	7:32
25-Apr	7:25	7:46	AM		9:59	PM	Crescent Waxing	(1.7)	7:55	8:26	8:59
16-May	7:41	3:20	AM	*	2:19	PM	Crescent Waning	[6.1]	8:12	8:46	9:21
13-Jun	7:57	1:49	AM	*	1:04	PM	Gibbous Waning	[7.6]	8:30	9:05	9:44
25-Jul	7:51	11:09	AM		10:57	PM	Crescent Waxing	(4.6)	8:23	8:56	9:32
22-Aug	7:24	10:04	AM		9:30	PM	Crescent Waxing	(3.3)	7:53	8:24	8:56
12-Sep	6:56	1:57	AM	*	3:52	PM	Crescent Waning	[5.9]	7:25	7:54	8:24
10-Oct	6:18	1:47	AM	*	2:35	PM	Gibbous Waning	[7.4]	6:47	7:16	7:45
7-Nov	4:49	10:39	PM		12:18	PM	Gibbous Waning	[8.9]	5:19	5:49	6:18
19-Dec	4:42	10:59	AM		10:02	PM	Crescent Waxing	(4.6)	5:14	5:45	6:16

### Twilight Legend:

Civil = ends when the center of the Sun is more than 6° below the horizon (the point of civil dusk)  
 Nautical = when the center of the Sun is more than 6° below the horizon but less than 12°  
 Astronomical = when the center of the Sun is more than 12° below the horizon but less than 18°

### Moon Phase Legend:

Crescent Waxing = just past new; setting in western sky after sundown  
 Gibbous Waxing = just before full; sets in western sky between midnight and sunrise  
 Full = rises at sunset and transits at midnight  
 Gibbous Waning = just past full; rises in eastern sky after sundown  
 Crescent Waning = just before new; rises in eastern sky before dawn (sets before sundown)

\* Moon rise time next morning (important on Crescent Waning only, and on Gibbous Waning just before midnight, since third quarter rises at midnight)  
 The cutoff of concern is given by  $29.5306 / 4 + 1$  day, since after this point the Moon will rise after midnight (i.e., the next day)

(#) number of days after new  
 [#] number of days before new

Daylight Savings Time (DST) begins March 8 and ends November 1

During Daylight Savings Time      **CDT+5=UT**  
 During Standard Time                **CST+6=UT**