

## DARK SKIES for January 2019:

T/W Jan.	1/2	6:19 p.m.	-	4:14 a.m.
W/T Jan.	2/3	6:19 p.m.	-	5:16 a.m.
<b>T/F Jan.</b>	<b>3/4</b>	<b>6:20 p.m.</b>	-	<b>5:49 a.m.</b>
<b>F/S Jan.</b>	<b>4/5</b>	<b>6:21 p.m.</b>	-	<b>5:50 a.m.</b>
<b>S/S Jan.</b>	<b>5/6</b>	<b>6:22 p.m.</b>	-	<b>5:50 a.m.</b>
<b>S/M Jan.</b>	<b>6/7</b>	<b>6:23 p.m.</b>	-	<b>5:50 a.m.</b>
<b>M/T Jan.</b>	<b>7/8</b>	<b>6:24 p.m.</b>	-	<b>5:50 a.m.</b>
T/W Jan.	8/9	7:18 p.m.	-	5:49 a.m.
W/T Jan.	9/10	8:17 p.m.	-	5:49 a.m.
T/F Jan.	10/11	9:16 p.m.	-	5:49 a.m.
F/S Jan.	11/12	10:15 p.m.	-	5:49 a.m.
S/S Jan.	12/13	11:15 p.m.	-	5:49 a.m.
S/M Jan.	13/14	12:17 a.m.	-	5:49 a.m.
M/T Jan.	14/15	1:20 a.m.	-	5:48 a.m.
T/W Jan.	15/16	2:27 a.m.	-	5:48 a.m.
W/T Jan.	16/17	3:36 a.m.	-	5:48 a.m.
T/F Jan.	17/18	4:45 a.m.	-	5:47 a.m.
F/S Jan.	18/19	none		
S/S Jan.	19/20	none		
S/M Jan.	20/21	none		
M/T Jan.	21/22	none		
T/W Jan.	22/23	6:39 p.m.	-	7:04 p.m.
W/T Jan.	23/24	6:40 p.m.	-	8:20 p.m.
T/F Jan.	24/25	6:41 p.m.	-	9:34 p.m.
F/S Jan.	25/26	6:42 p.m.	-	10:46 p.m.
S/S Jan.	26/27	6:43 p.m.	-	11:55 p.m.
S/M Jan.	27/28	6:44 p.m.	-	1:02 a.m.
M/T Jan.	28/29	6:45 p.m.	-	2:07 a.m.
T/W Jan.	29/30	6:47 p.m.	-	3:09 a.m.
W/T Jan.	30/31	6:48 p.m.	-	4:09 a.m.
T/F Jan.	31/1	6:49 p.m.	-	5:03 a.m.

Times listed are for Dodgeville, Wisconsin when

- (1) Moon is below the horizon
- (2) Sun is > 18° below the horizon  
(astronomical twilight)

Please minimize your use of outdoor lighting during these times to give everyone the best possible view of the night sky.

## Time Travel

conducted by David Oesper

ALEXANDER STEWART HERSCHEL, second son of the late Sir John Herschel, Bart. Born in Cape Colony in 1836, and educated at Clapham Grammar School, 1851-55, and at Trinity Coll., Camb., 1855-59, and at the Royal School of Mines, London [1861-? 65], B.A.Camb., 1859 ; M.A.Camb. and (*ad eundem*) Durham, 1877 ; Hon.D.C.L.Durham, 1886. F.R.A.S., 1867 ; F.R.S., 1884.

Was lecturer on Natur. Philosophy and Professor of Mechanical and Experimental Physics in the Andersonian University of Glasgow, 1866-71 ; and Professor of Physics and Experimental Philosophy in the Univers. of Durham College of Science, Newcastle-on-Tyne, 1871-86, and Honorary Professor of that Institute since 1886.

Writer of the Reports to the British Association on

Luminous Meteors and on the Thermal Conductivities of Rocks, 1861-81 ; and of various papers relating to Meteors, Meteorology, and Physics in Societies' Proceedings and in Scientific Journals since 1860. (*Ipsa scripsit*, September 14, 1893. Signed, A.S. HERSCHEL.)

He died on June 18, 1907, and was buried in Upton Churchyard next his sister, Isabella Herschel.

*The Observatory* (July 1907)

THE STUDY OF ASTRONOMY, ADAPTED TO THE CAPACITIES OF YOUTH: IN TWELVE FAMILIAR DIALOGUES, BETWEEN A TUTOR AND HIS PUPIL: Explaining the General Phænomena of the Heavenly Bodies, the Theory of the Tides, &c.

ILLUSTRATED WITH COPPER-PLATES.

By JOHN STEDMAN.

LONDON:

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M.DCC.XCVI. [1796]

### DIALOGUE I.

TUTOR. Well, Sir! I suppose this early visit is in consequence of my promise, and your anxiety to become an astronomer.

PUPIL. It is, Sir.—And as astronomy is a science of which I have a very imperfect idea, I must beg of you to explain it to me.

TUTOR. That I shall do with pleasure. But you surely cannot wholly forget what I have formerly told you. However, as I mean to treat the subject as if you had no previous knowledge of it, you will have an opportunity from what you can recollect, to make such remarks, and ask such questions, as may appear most material to you.

PUPIL. I thank you, Sir, it is just what I wish.

TUTOR. By astronomy then is meant a knowledge of the heavenly bodies, the sun, moon, planets, comets, and stars, respecting their nature, magnitudes, distances, motions, &c.

PUPIL. I fear I shall find it a difficult study.

TUTOR. Have patience.—

“The wise and prudent conquer difficulties,  
“By daring to attempt them. Sloth and folly  
“Shiver and shrink at sight of toil and danger,  
“And make the impossibility they fear.”

PUPIL. This gives me encouragement, and, if you will have patience with me, I will endeavour to profit by your instructions.—Pray, Sir, what is the sun?

*To be continued next month...*