

d	h	m	Sat.	Phen.	d	h	m	Sat.	Phen.	d	h	m	Sat.	Phen.	d	h	m	Sat.	Phen.		
10	22	00	I	ED	8	2	31	I	TI	13	1	22	II	Se	25	17	50	III	Se		
	23	39	II	SI		2	53	I	SI		4	1	III	Se		19	49	I	OD		
	0	17	II	TI		23	41	I	OD		19	39	I	OD	26	23	18	I	ER		
	0	28	I	OR	9	2	14	I	ER	11	22	32	II	OD		19	21	I	Te		
	2	11	II	Se		4	01	II	OD		19	09	I	Te		20	37	I	Se		
	2	47	II	Te		20	57	I	TI		20	10	I	Se	29	20	15	II	OD		
	3	43	III	SI		21	22	I	SI	12	20	45	II	TI	31	19	36	II	Se		
	5	07	III	TI		23	08	I	Te		22	47	II	SI							
	5	58	III	Se		23	33	I	Se		23	18	II	Te							
	19	15	I	SI	10	20	43	I	ER	13	1	22	II	Se							
	19	34	I	TI		22	19	II	TI	14	20	31	II	ER							
	21	27	I	Se		23	11	II	SI	17	0	21	I	TI							
	21	44	I	Te	11	0	50	II	Te		0	59	III	OD							
11	21	34	II	OR		1	45	II	Se		1	25	I	SI	1	19	26	III	SI		
13	20	36	III	OR	12	20	46	II	ER		21	28	I	OD		21	50	III	Se		
15	5	25	I	ED	14	21	32	III	TI		21	28	I	OD	2	19	07	I	TI		
16	2	41	I	SI		23	35	III	SI	18	0	44	I	ER		20	22	I	SI		
	2	52	I	TI		23	37	III	Te		18	48	I	TI		21	17	I	Te		
	4	53	I	Se	15	1	53	III	Se		19	54	I	SI		3	19	42	I	ER	
	5	02	I	Te		4	16	I	TI		20	58	I	Te	7	19	35	II	SI		
	23	54	I	ED	16	1	25	I	OD		22	04	I	Se		44	II	Te			
17	2	12	I	OR		3	08	I	ER	19	19	13	I	ER		22	13	II	Se		
	2	12	II	SI		22	42	I	TI		23	10	II	TI	8	18	24	III	TI		
	2	31	II	TI		23	17	I	SI	20	1	22	II	SI		20	53	III	Te		
	4	45	II	Se	17	0	53	I	Te		1	44	II	Te	9	21	04	I	TI		
	5	01	II	Te		1	28	I	Se		19	30	III	SI		22	17	I	SI		
	21	10	I	SI		19	52	I	OD		21	50	III	Se	10	18	11	I	OD		
	21	18	I	TI		22	37	I	ER	21	23	08	II	ER		21	37	I	ER		
	23	21	I	Se	18	0	35	II	TI	24	23	18	I	OD		11	17	44	I	Te	
	23	28	I	Te		1	45	II	SI	25	20	39	I	TI		18	55	I	Se		
18	20	38	I	OR		3	07	II	Te		21	49	I	SI	14	19	48	II	TI		
	20	59	II	ED		19	19	I	Te		22	49	I	Te	16	19	55	I	ER		
	23	49	II	OR		19	57	I	Se		23	59	I	Se	17	20	09	I	OD		
20	21	32	III	ED	19	19	27	II	OD	26	21	08	I	ER		18	17	31	I	TI	
	23	54	III	OR		23	23	II	ER	27	18	28	I	Se		18	41	I	SI		
23	4	36	I	TI	22	0	54	III	TI		18	41	III	TI		19	42	I	Te		
	4	36	I	SI		3	01	III	Te		20	59	III	Te		20	50	I	Se		
24	1	47	I	OD		3	35	III	S		23	30	III	SI	19	18	01	I	ER		
	3	57	I	ER	23	3	11	I	OD		20	40	II	OD		19	43	III	ER		
	4	44	II	TI	24	0	29	I	TI		19	51	II	Se	23	17	38	II	OD		
	4	46	II	SI		1	12	I	SI						25	19	30	I	TI		
	23	02	I	TI		2	39	I	Te						20	35	I	SI			
25	23	04	I	SI		3	23	I	Se		d	h	m	Sat.	Phen.	26	19	19	III	OR	
	1	12	I	Te		21	37	I	OD	1	22	31	I	TI		19	56	I	ER		
	1	16	I	Se	25	0	31	I	ER		23	44	I	SI		21	14	III	ED		
	20	13	I	OD		2	53	II	TI	2	19	38	I	OD		27	17	14	I	Se	
	22	26	I	ER		18	55	I	TI		23	03	I	ER		30	20	22	II	OD	
	23	29	II	OD		19	40	I	SI	3	18	13	I	SI							
26	2	15	II	ER		19	44	III	ER		19	09	I	Te							
	19	38	I	Te		21	06	I	Te		20	23	I	Se							
	19	44	I	Se		21	51	I	Se	4	23	11	II	OD							
27	20	21	II	Te	26	19	00	I	ER	6	19	52	II	SI		d	h	m	Sat.	Phen.	
	20	36	II	Se		21	47	II	OD		19	57	II	Te	2	17	19	II	Te		
	1	09	III	OD	27	2	00	II	ER		22	28	II	Se		19	24	II	Se		
	3	48	III	ER	28	20	12	II	Se		22	28	II	Se	3	18	37	I	OD		
31	3	30	I	OD							7	19	42	III	ER		21	02	III	OD	
											9	21	31	I	OD		4	18	09	I	Te
											10	18	52	I	TI		19	09	I	Se	
											20	08	I	SI		7	17	51	III	Se	
											21	03	I	Te		9	17	25	II	TI	
											22	18	I	Se		19	21	II	SI		
											11	19	27	I	ER		20	06	II	Te	
											13	19	55	II	TI		11	17	58	I	TI
											22	28	II	SI		18	54	I	SI		
											22	31	II	Te		20	09	I	Te		
											14	18	31	III	OR		12	18	15	I	ER
											21	17	III	ED		14	18	17	III	Te	
											23	42	III	ER		19	21	III	SI		
											15	20	14	II	ER		18	19	32	II	ER
											16	23	25	I	OD		19	58	I	TI	
											17	20	47	I	TI		19	17	08	I	OD
											22	03	I	SI		20	16	39	I	Te	
											22	57	I	Te		17	27	I	Se		
											18	21	22	I	ER		25	18	02	II	OD
											19	18	42	I	Se		26	19	09	I	OD
											20	22	30	II	TI		27	16	29	I	TI
											21	20	02	III	OD		16	36	II	Se	
											22	30	III	OR		17	11	I	SI		
											22	22	50	II	ER		18	40	I	Te	
											24	22	42	I	TI		19	21	I	Se	

SEPTEMBER

OCTOBER

JULY

JUNE

I Never Count Sheep

“When I go to sleep, I never count sheep” I count constellations.

There are 89 of them altogether, and I have never succeeded in toting them all up—not without cheating, that is. For a start, a sort of warming-up period, I run through the constellations of the zodiac. These are Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Sagittarius, Scorpius, Capricornus, Aquarius, Pisces.

Next, I dispose briefly of the polar groups. There are only six. They are Ursa Major, Ursa Minor, Draco, Cassiopeia, Cepheus, Lynx, Camelopardalis. Oops, that’s seven! I daren’t complain that I’m getting too sleepy to count already, for I have a heck of a lot of constellations to review before sleep comes.

Bunching up my pillow more comfortably so as to accomplish the task ahead, I start with the constellations of spring. I have Virgo, Bootes, Leo, Coma Berenices, Canes Venatici, Corona Borealis, Hydra and Corvus.

Summer groups come next, and I have Cygnus, Aquila, Lyra, Scorpius or Scorpio (here I sternly repress the desire to count these as two), Hercules, Sagittarius, Ophiuchus, Sagitta, Scutum, Delphinus, Equuleus and Capricornus.

In the fall, there is the square of Pegasus, Andromeda, Piscis Australis (or the bit of it that you can see from this latitude), Aries, Aquarius, Perseus, Pisces and Cetus.

Winter brings Auriga, Gemini, Taurus, Orion, Canis Major, Canis Minor, Aries and Triangulum.

Partly to check, but mostly because I have not yet gone to sleep, I begin all over again, this time alphabetically, cheating whenever possible. The A’s are easy. There are only five of them.

B’s are even better. There’s just Bootes. The C’s are enough to keep a night watchman awake—17 of them. I carry on valiantly, but by the time I get to Vulpecula, I am beginning to wish I had settled for counting stars instead of constellations.

I now turn my attention to the southern skies, of which I know little and care less, never having seen them anyway. I get as far as Argo and Antlia and maybe Crux, and then I begin to wonder why I waste time and energy counting constellations when I could be getting in some good, solid shut-eye.

Blithely ignoring the fact that I have counted some of these twice over, I bunch up my pillow some more and begin to check these too, alphabetically, continuing my comfortable policy of cheating whenever possible. My aim is to get to 89 by whatever means I can. At this juncture, I usually count, and find I have 88—a heaven-sent chance to sneak in the Pleiades, which, strictly speaking, is not a constellation at all, but a star cluster.

I suppose I should be truthful, and admit that I have never yet got as far as 89. Next morning, it irks me considerably not to have been able to recall a few dozen constellations. Before I can consider doing any household chores I have to get out my star maps and see what I had forgotten.

This I do while cooking breakfast. I prop the map up against the sugar basin, peeking at it from time to time as I go about my work.

Invariably, someone misses the sugar basin from the table, comes out to the kitchen (where I am cheerfully engaged in frying teabags in golden melted butter and gently breaking eggs into the teapot), “tut-tuts” at me in an unwarranted burst of irritation, and grabs the sugar bowl, which probably holds my Hertzsprung-Russell diagram instead of sugar. My star map has frequently become spotted as a result of such incomprehensible activity on the part of my family.

I don’t mind too much. I am very patient with my family. Just so long as I don’t mistake a blob of bacon grease for a far distant galaxy!

ST. JOHN’S

MRS. DORA RUSSELL

RASC Variable Star Observing Program

If you can find the constellations Hercules and Orion, own a pair of binoculars, and have a few minutes free time a week, then this observing program is for YOU. The program consists of two sets of "binocular variables": g Herculis, X Herculis and RR Corona Borealis; W Orionis, CK Orionis and RX Leporis. Each set of variables is on a single AAVSO (American Association of Variable Star Observers) chart. The complete observing kit (including instruction and report form) is available for 30 cents (the cost of the charts) from me (1227 Morrison Drive, Ottawa).

For a number of years, the Ottawa Centre has had an active Variable Star section. However, even though variable star observing is one of the only fields left where the amateur can make a contribution to the science of astronomy, many RASC Centres have no active variable star observers. This prompted me to present a paper at the 1970 General Assembly in Edmonton on the success of the Ottawa Centre's program and on the possibility of applying it nationally. There was an enthusiastic response from the members present at the Assembly, and with the approval of COCOCA, I am presenting it as a national program.

It is hoped that the many unattached members, as well as Centre members of the RASC will take advantage of this program. I will assume (hope) that our Canadian AAVSO members will support this program by providing estimates of these variables, and by providing encouragement and assistance to beginners.

OTTAWA

RICK LAVERY

The 1972 Total Solar Eclipse

A committee of the National Council of the RASC has been established to co-ordinate the plans of the many Centres and individual members of the Society who are planning to observe the eclipse. All such persons are urged to contact the chairman of the committee, Ken Chilton (93 Currie St., Hamilton 57), as soon as possible.

In the January 1971 issue of *Sky and Telescope*, an excellent article describes the geographical circumstances of the eclipse. Included are roadmaps of the parts of Quebec and the Maritimes through which the path of totality passes. A future issue of *Sky and Telescope* will contain an article dealing with weather conditions to be expected at various locations along the path of totality.

The RASC has ordered a large number of reprints of the article describing the geographical circumstances. Centres and individual members may obtain single reprints free of charge by writing to RASC Eclipse Reprint, 252 College St., Toronto.

1971 General Assembly—Call for Papers

Plans for the 1971 General Assembly of the RASC in Hamilton include a session for the presentation of scientific papers as in other years. Papers on all aspects of observational, theoretical or instrumental astronomy will be welcomed and considered by the Papers Committee for the session. A particular effort is being made this year to have contributions from as many different Centres and unattached members as possible.

Abstracts of about 150 words in length should be prepared and sent before April 1, 1971 to: RASC, 252 College St., Toronto. Members of Centres should first submit their abstracts to the Executive of their Centre, for approval.

The length of time available for the presentation of each paper will depend on the number of papers on the final program but it is suggested that authors should aim at about 10 minutes for the presentation in order to allow some time for discussion.