THE ROYAL ASTRONOMICAL SOCIETY OF CANADA

1991 SOLAR ECLIPSE EXPEDITION

SOLAR ECLIPSE QUIZ

1.	event tha	"eclipse" of that we will see to	he sun is actually a complete misnomer for the tomorrow. The proper name of the phenomenon is of the sun.	
2.	atmospher	sh translation cre that we see d	of the Latin word that is our name for the sun's during the total phase of a solar eclipse is	
3.	Annular e	eclipses are more	re frequent than total eclipses. True or false?	
4.	During so in a west	olar eclipses, the to east direct	the moon's umbral shadow moves across the earth	
	(a) (b) (c) (d) (e)	sometimes		
5.	The last (month ar	total solar ecl	lipse visible in Mexico occurred on what date	
6.	At this e	clipse, the moon velocity (within	n's shadow will move across the Baja Penninsula n 20%)? per second.	
7.	The (fictional) residents of how many other planets in the solar system might see a total eclipse of the sun from the surfaces (or visible cloud tops in the case of gas giant planets) of their home planets?			
8.	It is possible for two successive solar eclipses to be entirely total. True or false?			
9.	The theoretical maximum duration of totality for any total solar eclipse is (minutes and seconds, within 10%).			
10.	The theoretical maximum duration of annularity for any annular solar eclipse is (minutes and seconds, within 10%).			
 Which of the following statements is (are of relativity provide that, at a solar ecl 			statements is (are) true? Einstein's theories at, at a solar eclipse,	
	(a)	stars near the sun,	sun appear to be deflected toward the	
	(b)	stars near the the sun,	sun appear to be deflected away from	
	(c)	your telescope neighbour's tel	appears to be deflected <u>toward</u> your elescope,	
	(d)	your can of cer	rveza (beer) appears to fall over	
12.	Since 1989, this Expedition has had			
	(a) (b) (c) (d)	One Two Three Fifty-five		

price increases.

13.	The last total eclipse in the Saros to which tomorrow's event belong occurred on what date (month and year)?			
14.	At that eclipse (referred to in question 13), observers who experience the longest duration of totality were in the moon's umbral shadow fo how long (within 10%)?			
15.	Earlier in the history of the solar system, total solar eclipses were			
	(a) less frequent than (b) of the same frequency as (c) more frequent than			
	they are now.			
16.	Which American singer made reference to a particular solar eclipse is a hit song from the 1970s?			
17.	Which Greek singer used as a song title the umbra in which we will be enveloped tomorrow?			
18.	If tomorrow you see shadow bands for 8 minutes in succession without a break,			
	(a) it will be a very unusual observation,			
	(b) you will have imbibed too many margueritas tonight,			
	(c) you will have missed the 3:00 a.m. wake-up call and will be observing the eclipse from just outside the path of totality at Puerto Vallarta,			
	(d) quite possibly all of the above.			
19.	Historical records show that ancient solar eclipses were visible at locations further east than modern calculations originally indicated. This determination established the existence of what phenomenous associated with the Earth?			
20.	The given name of the astronomer who first described the last several points of the sun's photosphere that blaze through the valleys on the moon's limb just before totality was			
21.	The next total solar eclipse visible from Canada will take place in what year (within one year)?			
22.	Total eclipses are visible from any <u>one</u> place on the earth's surface (or average) once every how many years (within 10%)?			
23.	Total eclipses are visible from <u>some</u> place on the earth's surface (o average) how often (within 10%)?			
24.	Tomorrow the solar corona will shine in which constellation?			
25.	This eclipse takes place at which node (ascending or descending)?			
FOR	EXTRA CREDIT ANSWER THE FOLLOWING QUESTION:			
26.	Solar eclipse expeditions usher in the age of			
	(a) Aquarius			