It may be hard to see meteor shower



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crs in some southwestern states saw as many as 140 meteors per second.

The closer we get to 1999, the better the Leonids may become!
Occasionally an extremely bright meteor (called a fireball or boildo) is seen. While every rare, they are spectacular.

During this year's October Draconid shower a fireball was seen by hundreds of people along the Atlantic coast. The fireball was so large it failed to burn up completely, and it crashed into the back of a car near Peckakill, New York. What was left of the meteor weighed 13.6 kilograms (30 pounds)! There are no guarantees that the Leonid shower will spown a fireball, but then there are no guarantees that it won't!

Last quarter moon will be at

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job that's just right for me.l say "ves" to Observer & **Eccentric** Classifieds.

6:39 a.m. on Nov. 17.
Six degrees to the left of the moon will be Regulus (REG you lus), the 'heart' of Lee the lien.
On the following morning the moon will be 12 degrees below and to the left of Regulus.

The moon moves from Leo into Virgo and, on the morning of the 20th, is six degrees below and to the right of Jupiter. On the next morning the moon is two degrees to the right of Spica.

Notice how much higher Jupiter and Spica are this morning, as compared to their location earlier this month.

Mercury is at inferior conjunction on the 21st. It is located between the carth and the sun and is not visible.

New Moon will occur at 4:11 a.m. on Nov. 24. The moon is located between the earth and the sun and its like Mercury, is not visible. Don't worry about a collision between Mercury and the moon.

Yes, they are both between the earth and the sun, but they are separated by millions of kilometers!

The waxing (growing) crescent moon will be vieible after sunset on the evening of the 26th. Notice brilliant Venus to the left of the moon. Venus will pass 1,9 degrees (less than four full moon diameters) below and to the left of Uranus tonight.

Uranus is NOT a naked-oye planet; if you and to look for it use binoculars or a telescope. Uranus will look like a faint greenish disk at the "one o'clock" position with respect to Venus. (If you are using an astronomical telescope that inverts the image, look toward the "seven o'clock" position.) Good luck, and happy unting! (Neptune is also in this part of the eky, but it will be out of the range of binoculars and small telescopes.)

mid-way between Venus and Saturn on the evening of the 28th. Venus will be below and to the right of the moon; Saturn will be above and to the ioft. On the following night the moon will be three degrees from Saturn.

Another event occurs on the 29th; Mars is stationary. It has been drifting enstward through the stars of Gemini from night to night, but after the 28th Mars begins retrograde (backward) motion. Mars will have moved 19 degrees westward by the middle of February. The planet doesn't really halt in list tracks and go backward. What we see is an optical illusion, caused by the faster moving earth overtaking slower robiting Mars.

Mercury becomes better placed for viewing in the morning sky by November 39. It will be six degrees above the east southeast herizon around 7 a.m., and will be slightly dimmer than Saturn.

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