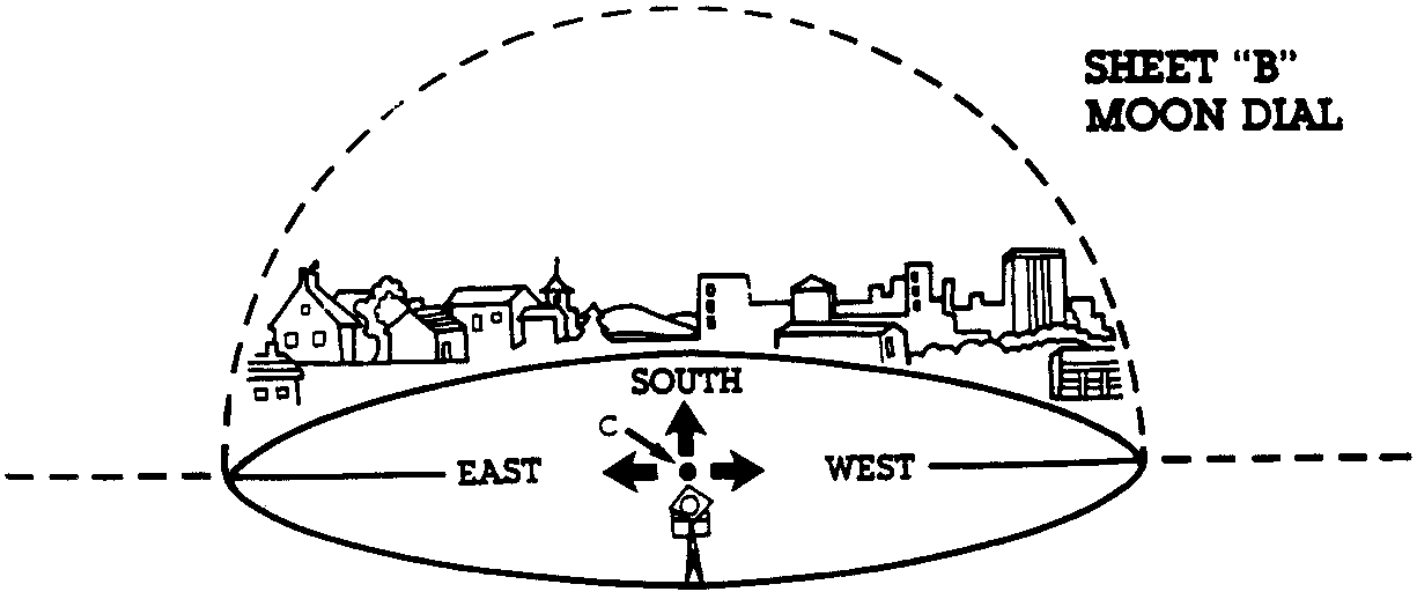
SHEET "B"
MOON DIAL



NEW MOON CALENDAR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1998	28	26	27	26	25	23	23	21	20	20	18	18
1999	17	16	17	16	15	13	12	11	9	9	7	7
2000	6	5	6	4	4	2	1, 30	29	27	27	25	25

(staple)

How to find the moon's phase and position

To find the moon's phase and position for any date, do the following:

1. Hold the moon dial so that the time window faces down.
2. Use the moon calendar shown above and a regular calendar and count the number of days since the last new moon.
3. Find that number on the dial. The moon below that number shows the correct phase.
4. Decide what time of day or night you will observe the moon. Then, rotate the dial so that the time of your observation shows in the time window.
5. This shows the correct direction or position of the moon for the time you have chosen to observe.

Time
Window

(staple)

Fold along solid line

Example: Find the moon phase and position on August 22, 1999, at 7 p.m.

Solution: A new moon occurs on August 11, 1999. August 22, is eleven days after the new moon. Locate moon number 11. Now, rotate the dial so that 7 p.m. shows in the time window. Moon number 11 is waxing gibbous and is high in the south at 7 p.m. on August 22, 1999.

There are times when you cannot see the moon. When the moon is new, and when the moon is below the horizon, it cannot be seen.

Example: Find the moon phase and position for April 24, 2000 at 7 p.m.

Solution: A new moon occurs on April 4, 2000. April 24, is 20 days after the new moon. Locate moon number 20. Now, rotate the dial again so that 7 p.m. shows in the time window. As you set the time, you will notice that moon number 20 does not show on the dial. The moon is below the horizon on April 24, 2000, at 7 p.m. and cannot be seen.