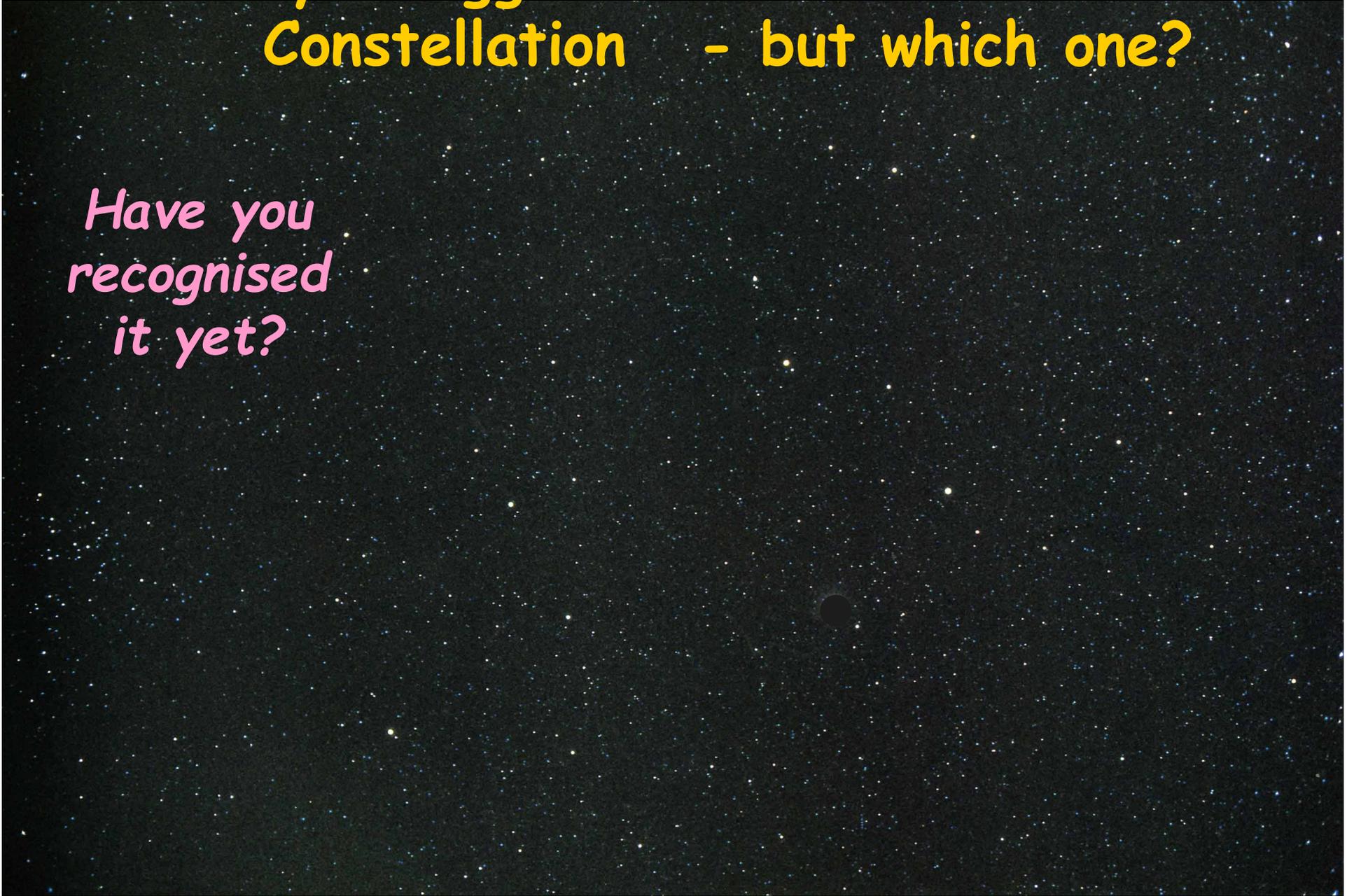
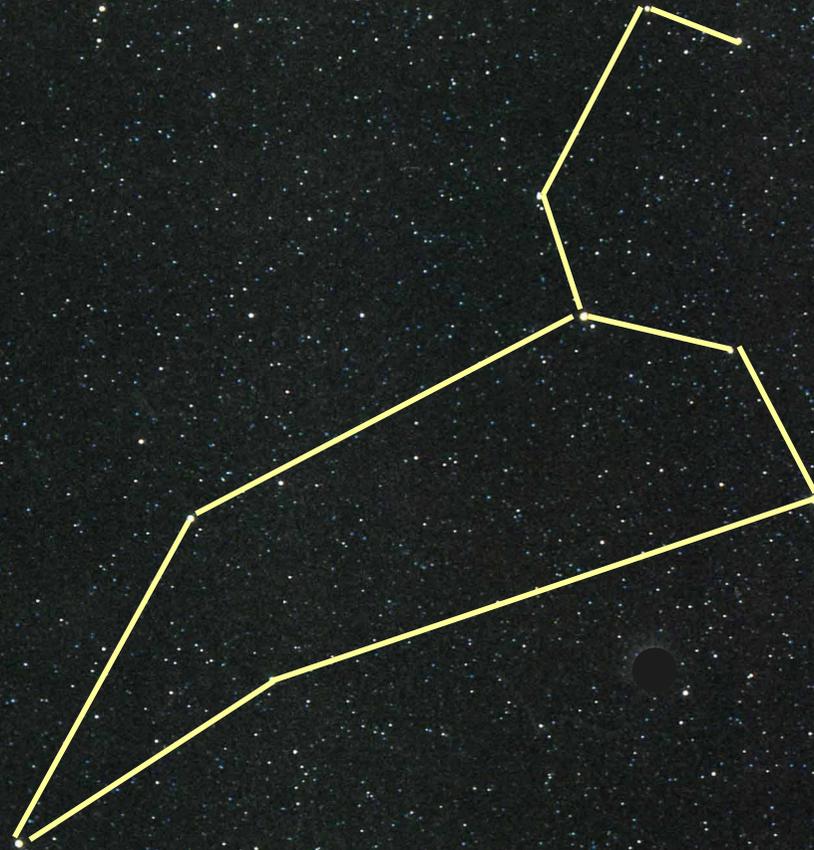


May's Suggested Constellation - but which one?

*Have you
recognised
it yet?*

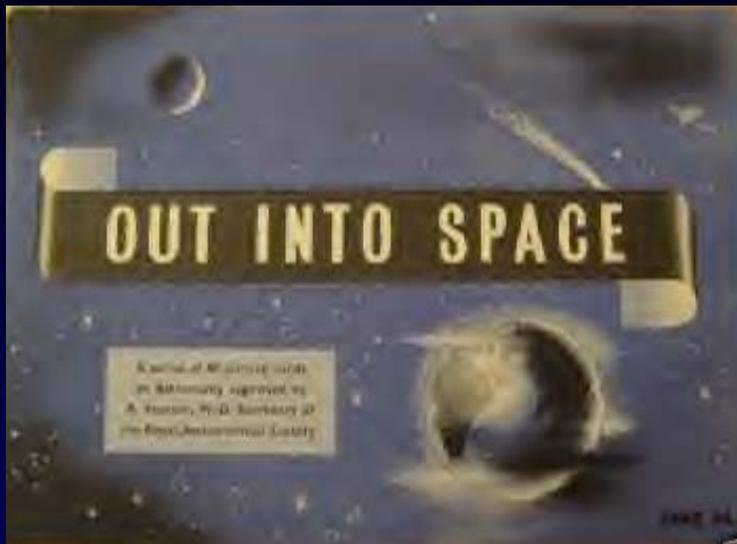


May's Suggested
Constellation - but which one?



That's right - Leo

May's Suggested Constellation



A SERIES OF 50 No. 28

OUT INTO SPACE

Approved by A. Hunter, Ph.D.,
Sec. Royal Astronomical Society

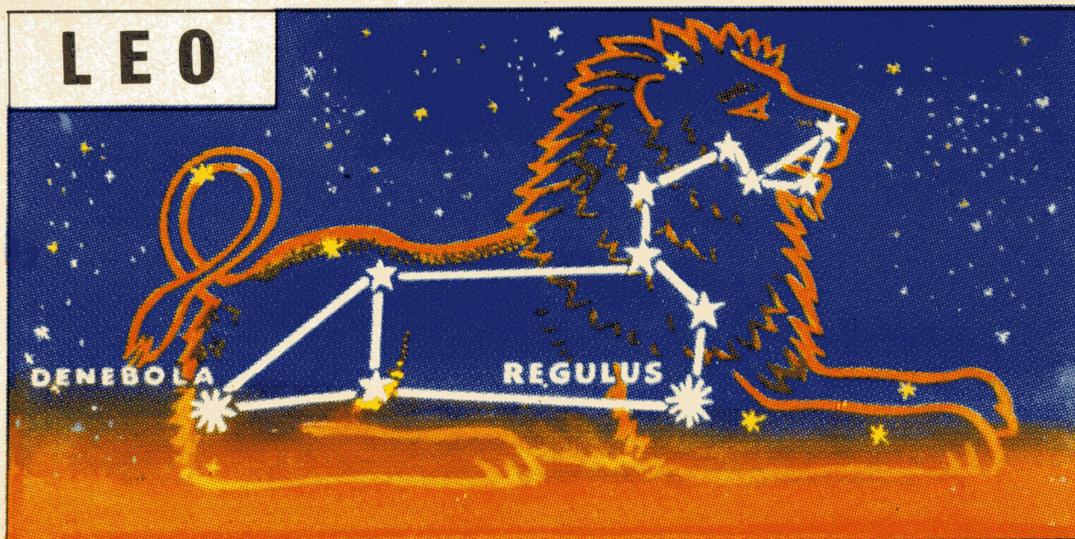
LEO

Leo (Lion), fifth sign of the Zodiac, is bounded on the West by Cancer, on the East by Virgo. It is easy to locate . . . a straight line from the Pole Star to Plough Pointers leads to Leo. February to end of June is good time for viewing, but evenings in March and April are best. Principal and very prominent star is Regulus . . . also known as Cor Leonis (Lion's Heart) or Royal Star. Regulus, Gamma Leonis and several smaller stars form a group shaped like a sickle. From near these stars most of November meteor showers known as Leonids radiate.

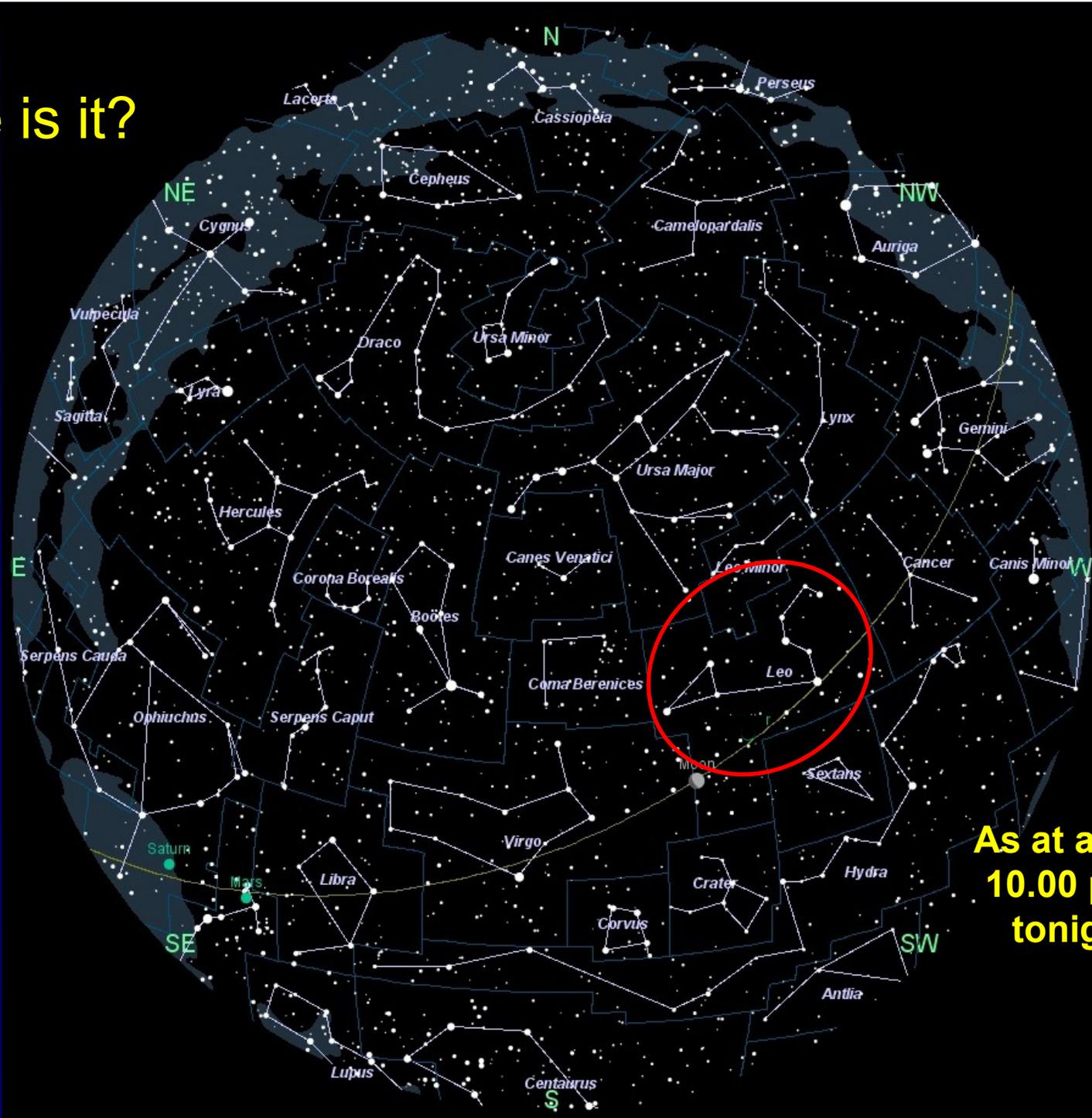
**GET A PICTURE CARD ALBUM
FROM YOUR GROCER-Price 6d**

**ISSUED IN PACKETS OF BROOKE BOND
'CHOICEST', 'P.G. TIPS' & 'EDGLETS' TEAS**

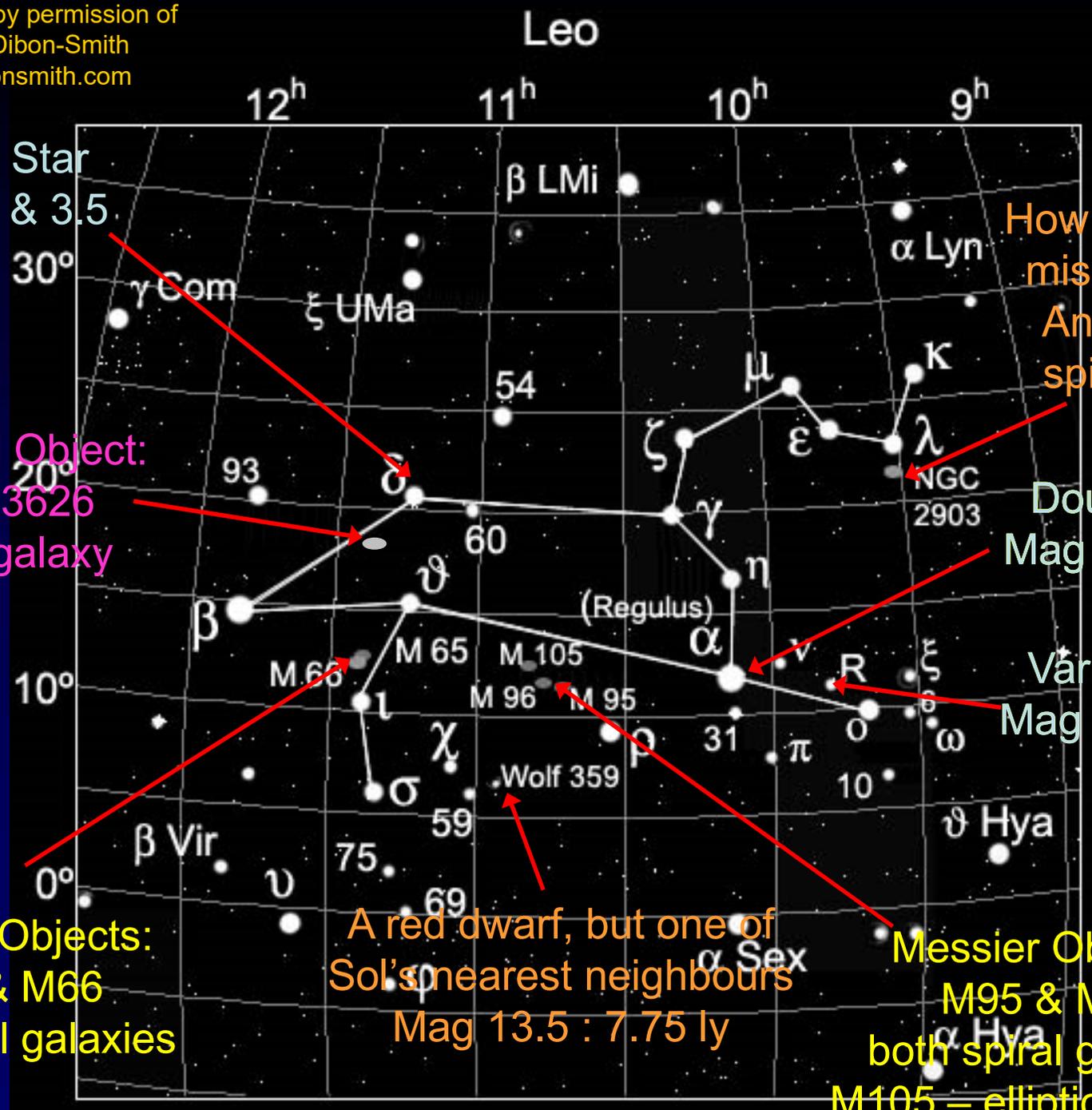
Brooke Bond & Co. Ltd.



Where is it?



As at about
10.00 p.m.
tonight



Double Star
Mag 2.2 & 3.5

Caldwell Object:
* NGC 3626
spiral galaxy

Messier Objects:
M65 & M66
both spiral galaxies

A red dwarf, but one of
Sol's nearest neighbours
Mag 13.5 : 7.75 ly

Messier Objects:
M95 & M96
both spiral galaxies
M105 – elliptical galaxy

How did Messier
miss this one?
Another nice
spiral galaxy

Double Star
Mag -0.7 & 7.7

Variable Star
Mag 4.4 → 11.3

Messier Objects in Leo



M65 © Anglo-Australian Observatory
Photograph by David Malin

M65 (NGC 3623)
Spiral Galaxy

Distance 24 million light years
Visual Brightness Magnitude 9.3
Apparent Dimension 9 arc minutes
Discovered 1780 Pierre Méchain



M66 © Anglo-Australian Observatory
Photograph by David Malin

M66 (NGC 3627)
Spiral Galaxy

Distance 21.5 million light years
Visual Brightness Magnitude 8.1
Apparent Dimension 9 arc minutes
Discovered 1780 Pierre Méchain

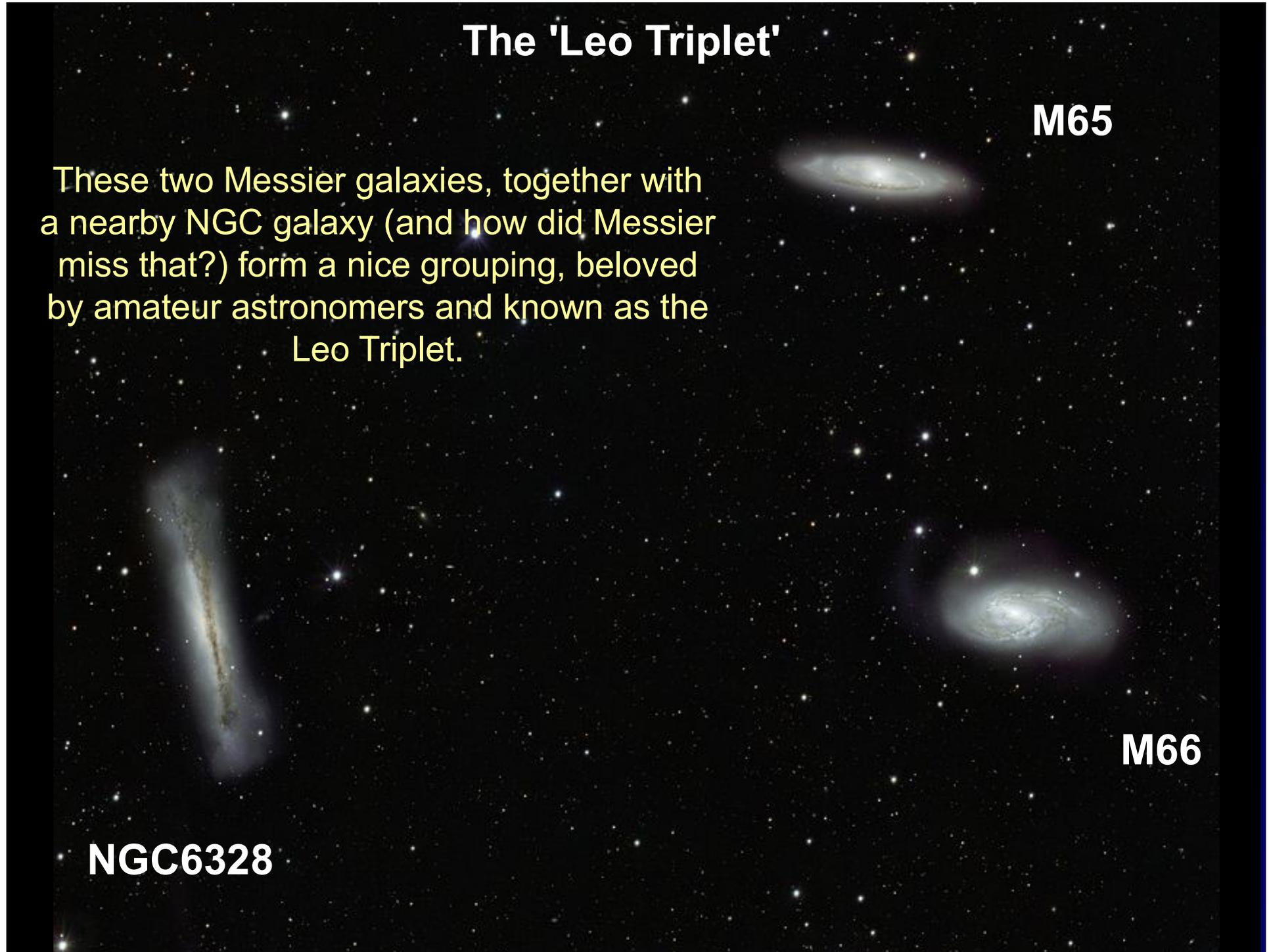
The 'Leo Triplet'

These two Messier galaxies, together with a nearby NGC galaxy (and how did Messier miss that?) form a nice grouping, beloved by amateur astronomers and known as the Leo Triplet.

M65

M66

NGC6328



Messier Objects in Leo (contd)



M95 (NGC3351)

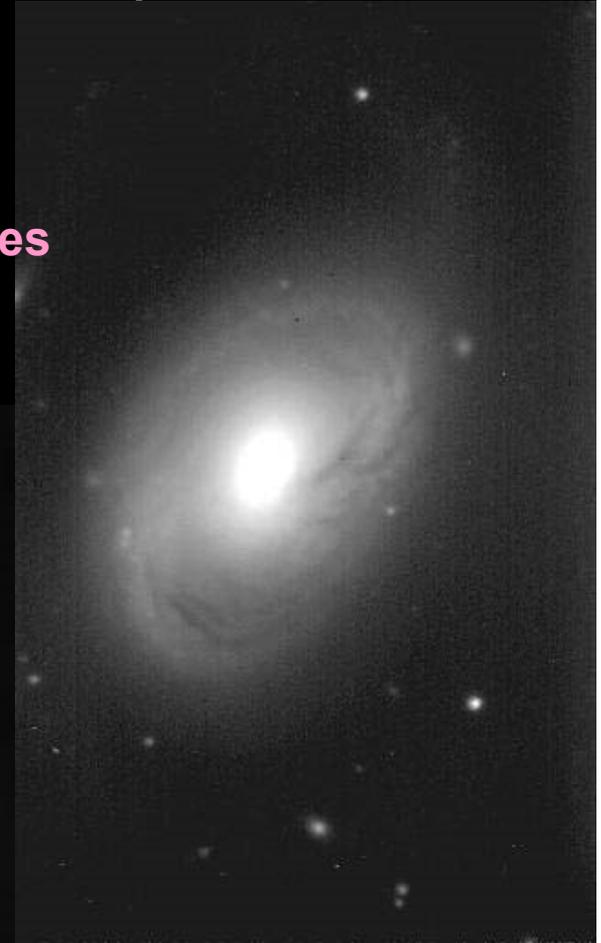
Barred Spiral Galaxy

Distance 26.5 million light years
Visual Brightness Magnitude 9.7
Apparent Dimension 7 arc mins
Discovered 1781 Pierre Méchain

Distance 26 million light years
Visual Brightness Magnitude 9.3
Apparent Dimension 5 arc minutes
Discovered 1781 Pierre Méchain

M105 (NGC3379)

Elliptical Galaxy



M96 (NGC3368)

Spiral Galaxy

Distance 26.5 million light years
Visual Brightness Magnitude 9.2
Apparent Dimension arc mins
Discovered 1781 Pierre Méchain

Caldwell Object in Leo

C40 (NGC3626) Lenticular Galaxy



Distance 86 million light years
Visual Brightness Magnitude 11
Apparent Dimension 3 arc minutes
Discovered 1784 William Herschel