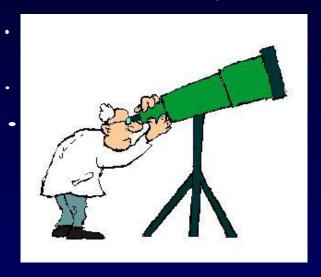
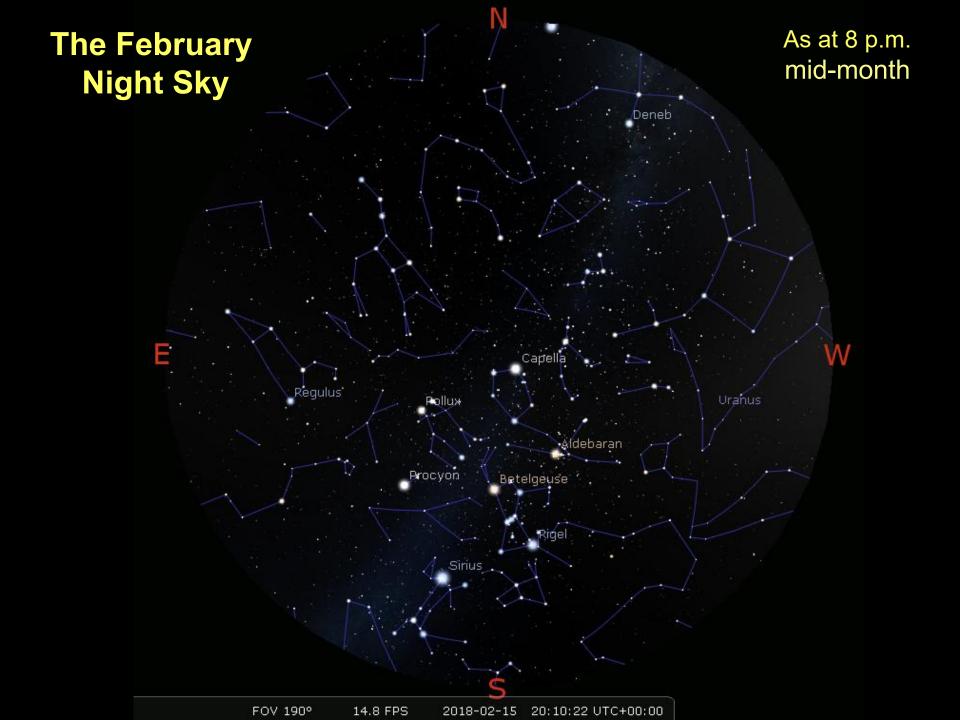
What's Up!

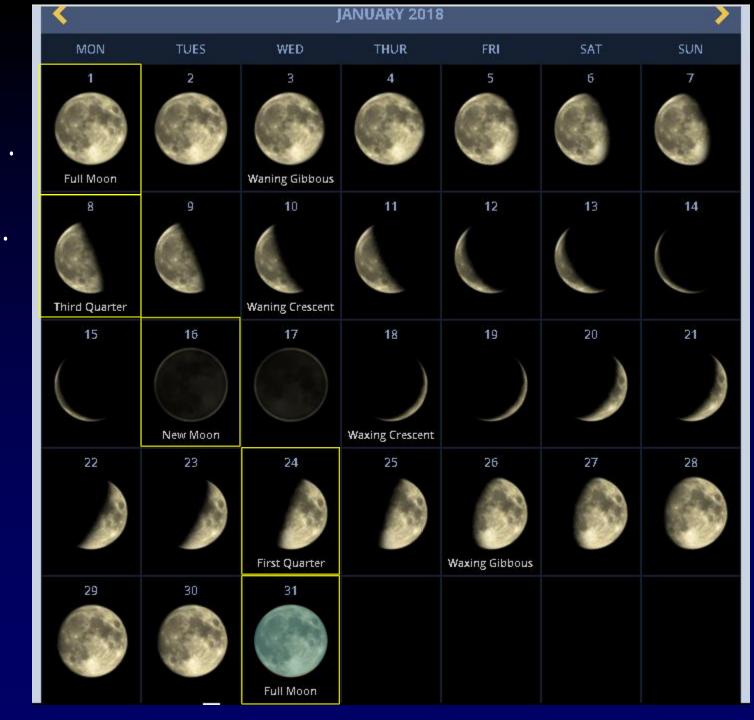
For February 2018



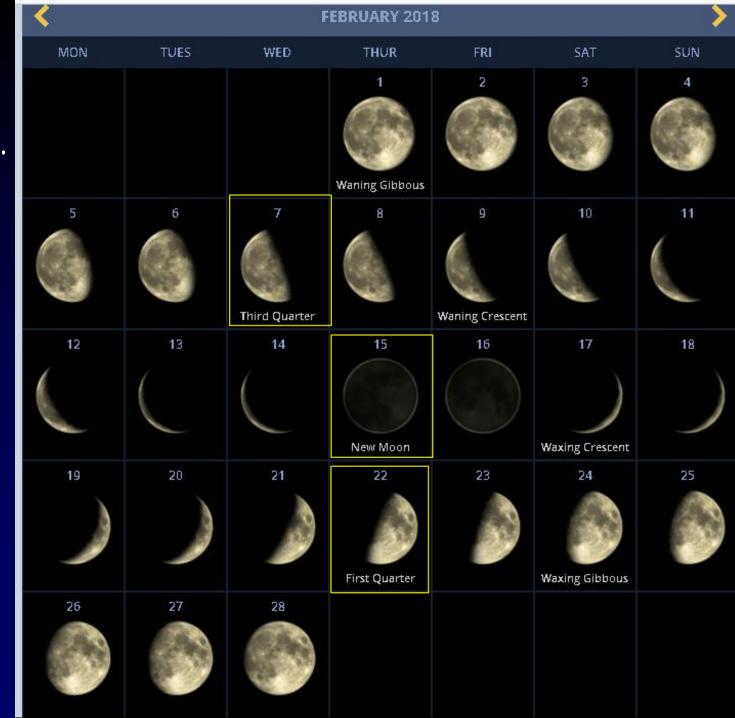




The Moon in January



The Moon in February



What's Up - February's Planets

Mercury

 An evening object, very low in West just 30 mins after sunset at end of month, Mag -1.3.

Venuş

 A brilliant evening object, low in West just 30 mins after sunset from mid-month, Mag -3.8

Mars

Another morning object, relatively dim at Mag +1.5 in E-SE, visible from around 5 a.m.

What's Up - February's Planets

Jupiter

 A morning object, easily visible at Mag -2.0 in South East to South before sunrise.

Saturn

 A difficult early morning object, improving as month progresses, very low in South Eastern sky, before sunrise.

Uranus

Still visible, binocular object visible all night at Mag +5.9 in South West

Neptune

Not visible this month

Events of Interest in February

- *
- 11th 6 a.m. waning crescent Moon just 4° from Saturn T
- 12th Mars and Antares just 5° apart, (interesting comparison), Moon near too. The comparison of th
- 22nd Lunar X visible (on terminator) from just after 4pm for another 4½ hours
- 23rd Aldeberan (α Tauri) occulted by dark leading edge of Moon at 16.33 hrs, emerging from bright edge at 17.42 hrs
- 28th Venus and Mercury just 2.5° apart, just after sunset.

February's Suggested Constellation - but which one?

Have you got it yet?

February's Suggested Constellation - but which one?



That's right
- Orion

February's Suggested Constellation



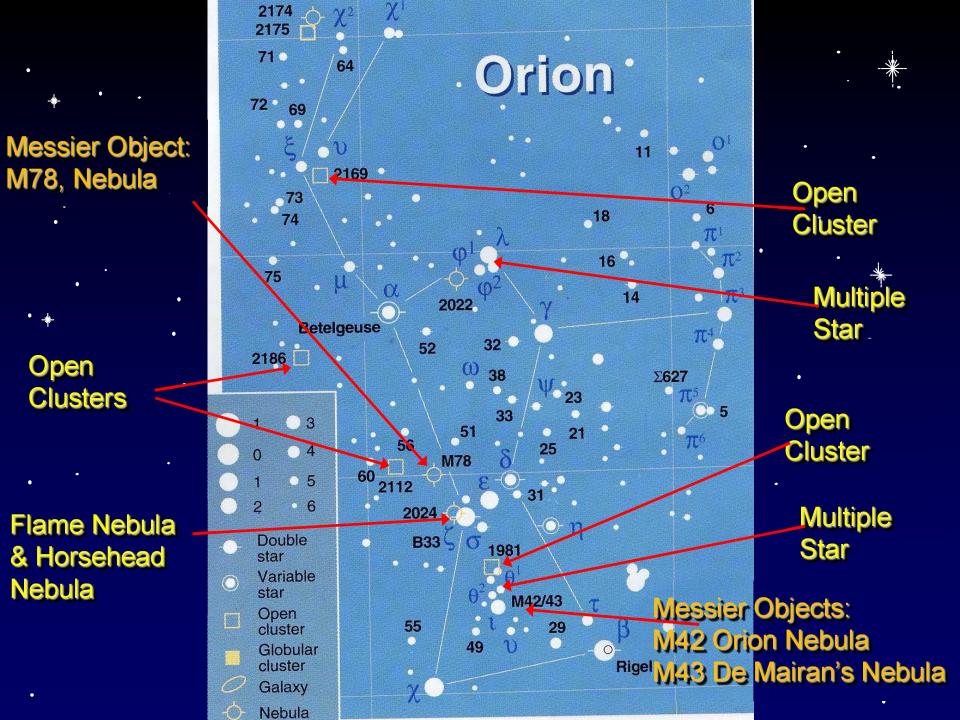
February's Suggested Constellation *



Orion –The Great Hunter

There are many different * legends about Orion. Some say that he was the lover of Artemis, some that he was the lover of Aurora. Many stories agree that he was killed by a scorpion sent by a jealous, godly rival. To honour him he was put into the sky, but to protect him he was placed well away from Scorpius.





Messier Objects in Orion



M42 (NGC 1976) Great Orion Nebula

Distance 1,500 light years
Visual Brightness Magnitude 3.7
Apparent Dimension 1°
Discovered 1611 Nicholas Peiresc

M43 (NGC 1982) De Mairan's Nebula

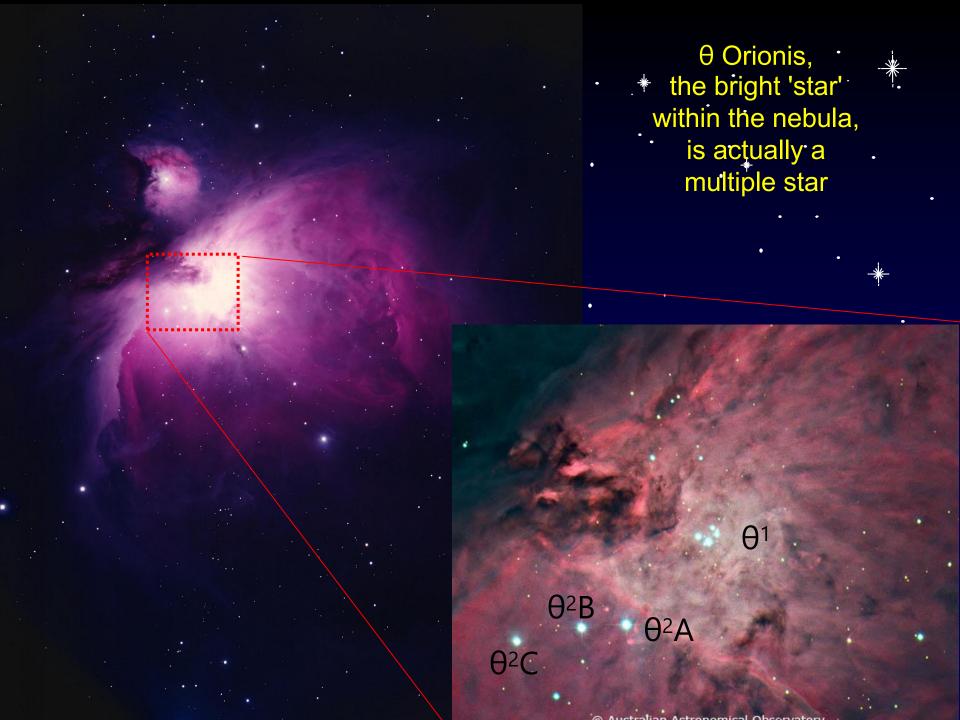
Distance 1,500 light years
Visual Brightness Magnitude 6.8
Apparent Dimension 20 arc
minutes

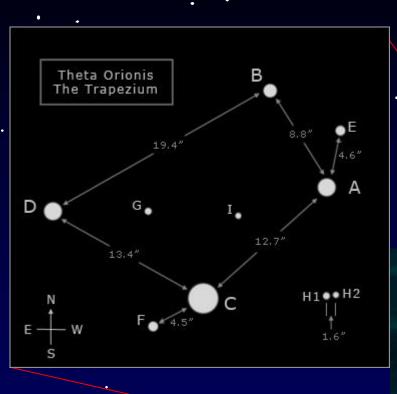
Messier Objects in Orion



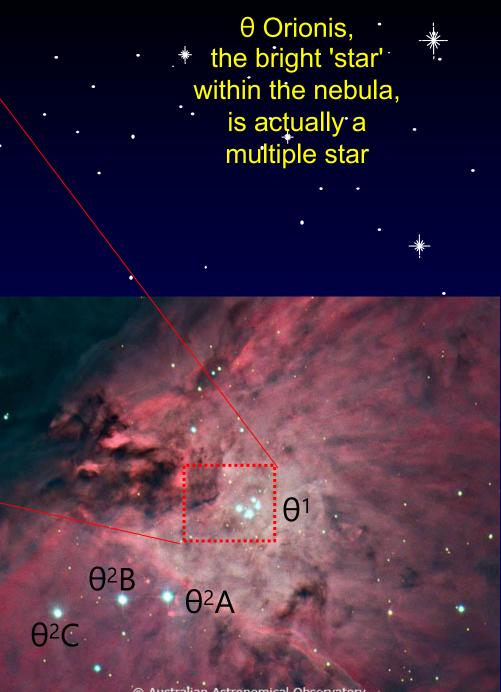
M78 (NGC 2067/8)

Distance 1,630 light years
Visual Brightness Magnitude 8
Apparent Dimension 8 arc minutes
Discovered 1780 Pierre Méchain





θ¹ 'The Trapezium', is itself a multiple star







Here's an image from my friend John Evans FRAS showing the star fields around and including Orion. The red has been exaggerated in order to highlight 'Barnard's Loop' - the remains of a Supernova

Meetings at Local Societies

- Guildford AS Lecture Theatre L, Uni of Surrey
 - Thursday 1st February, 7.30 p.m.

» Dark Future

» (A talk about the effect on the night sky caused by light pollution, and how that effect could be reduced)

» Bob Mizon

» Chair, Commission for Dark Skies

Meetings at Local Societies



Tuesday 13th February, 7.45 p.m.

- Latest Results from Cassini
- (NASA space probe to Saturn, which recently completed its mission)
 - Prof. Andrew Coates
 - » Mullard Space Science Laboratory UCL

Talks at Local Astro Societies

- Croydon AS Royal Russell School, Coombe Lane, Croydon
 - Friday 9th February, 7.45 p.m.
 - tba
 - Friday 23^{trd} February, 7.45 p.m.
 - tba

- Ewell AS Nonsuch High School for Girls, Cheam
 - Friday 9th February, 8.00 p.m.
 - Moon Hoaxes
 - » Graham Bryant (Hampshire AG)

Astronomy Evening - 12th, February

- Monday 12th Feb, 6 p.m. till 9.30 p.m.
- University of Surrey, Dept of Physics
- No talk this time, just star gazing
 - their observatory and with Guildford AS volunteers
- Free, but book via Eventbrite on Uni's website
 - Department-Physics/events



Astronomy on TV

*

Wonders Of The Moon

Documentary which uses the latest, most detailed imagery to reveal the monthly life cycle of the moon. From Wales to Wyoming, Hong Kong to Croydon, the programme finds out how the Moon shapes life on Earth, as well as exploring its mysterious far side and discovering how the moon's journey around Earth delivers one of nature's most awe-inspiring events - a total solar eclipse. At the end of a remarkable year of lunar activity, we find out why so many supermoons have been lighting up the night sky

- Sunday 31st January BBC 1, 9.00 p.m.

Astronomy on TV

The Sky at Night

It Came From Outer Space

The programme discusses what we know about *
 'Oumuamua (the recently discovered interstellar asteroid), and how it is changing our view of the Universe

Sunday 11th February BBC 4, 10.00 pm

Thursday 15th February BBC 4, 7.30 pm

for exact times please check www.radiotimes.com or www.bbc.co.uk/skyatnight