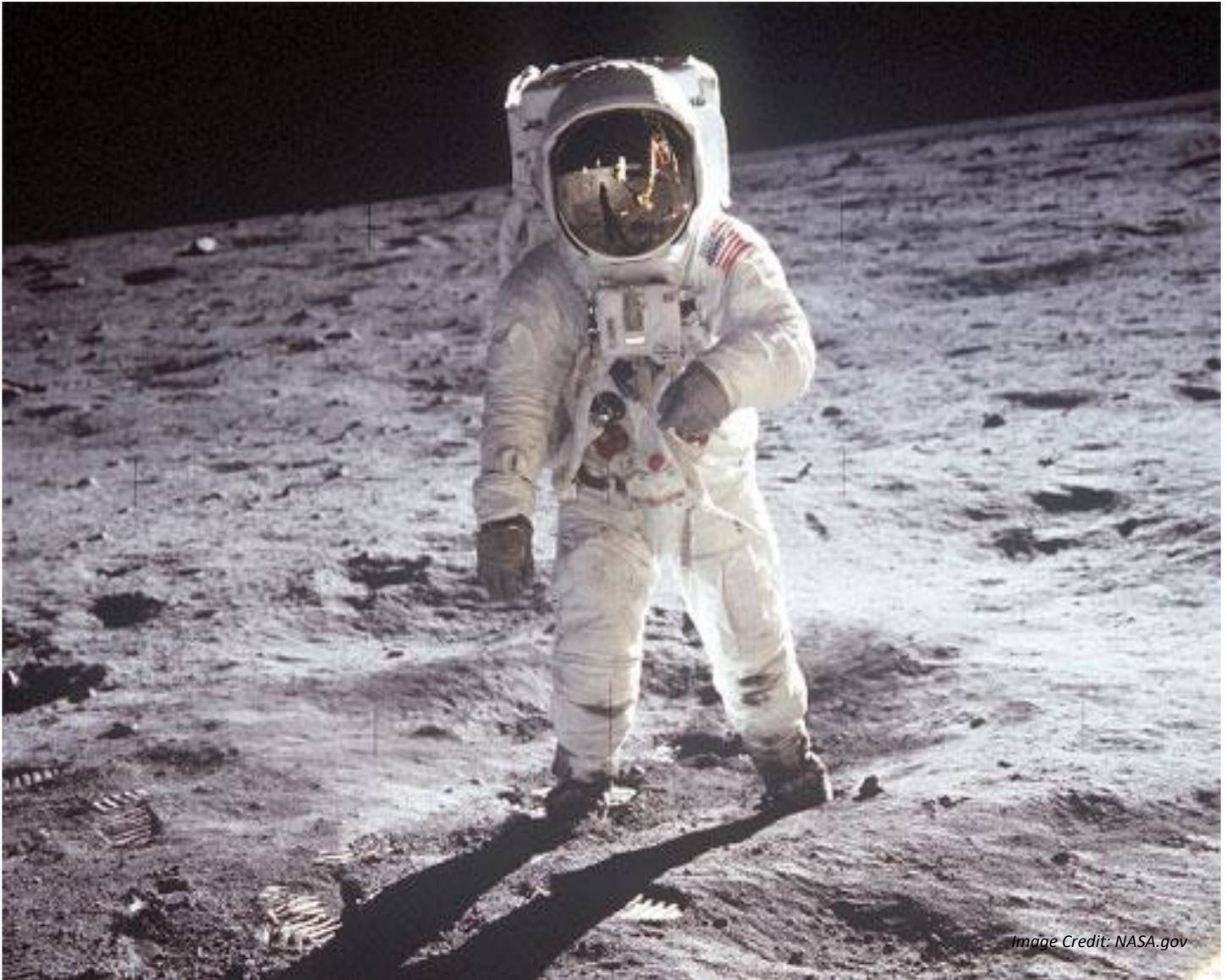




July to August 2019



What to look out for in the night sky

16 July - Full Moon July's Full Moon is also known as the Thunder Moon, Hay Moon or Wort Moon.

16/17 July - Partial Lunar Eclipse The partial lunar eclipse will be visible from most of Europe, Asia, Australia, Africa, the South and East of North America, South America and Antarctica.

20 July - 50th Anniversary of the First Moon Landing The NASA Apollo 11 Moon mission landed the first astronauts on the lunar surface on this day in 1969.

21 July - α (alpha) Cygnid Meteor Shower A maximum of 5 meteors per hour will be visible, 70° above the eastern horizon, at midnight.

26 July - Capricornid Meteor Shower The shower runs throughout July and August but peaks on 26 July. Up to 5 meteors per hour will be visible, 19° above the SE horizon, around midnight.

2 August - α (alpha) Capricornid Meteor Shower The shower will be active from 15 July to 20 August but it peaks on 2 August. The radiant of the shower will appear low in the sky, 27° above the southern horizon at midnight and, therefore, only around 2 meteors per hour will be visible.

9 August - Conjunction of the Moon and Jupiter The pair will become visible at around 20:59, as the dusk sky fades, 16° above the southern horizon. It will then sink towards the horizon, setting at 00:45.

The pair will be too widely separated to fit within the field of view of a telescope but will be visible to the naked eye or through a pair of binoculars.

12 August - Close Approach of the Moon and Saturn The pair will be visible in the evening sky, from 20:52, as the dusk sky fades, 12° above the SE horizon. The highest point in the sky will be reached at 22:39, 16° above the southern horizon. The pair will be close enough to fit within the field of view of a telescope and will be visible to the naked eye or through a pair of binoculars.

13 August - Perseid Meteor Shower The shooting stars of the Perseid Meteor Shower are active between 17 July and 24 August but reach their maximum rate of activity on 13 August. The maximum rate of visible meteors expected is 80 per hour although this will require a perfectly dark sky and the radiant of the meteor shower to be directly overhead. The radiant of the shower will be 36° above the NE horizon at midnight.

13 August - Mercury at highest point The planet's height will peak at 14° above the horizon, at sunrise.

15 August - Full Moon August's Full Moon is known as the Sturgeon Moon, after the North American lake sturgeon.

21 August - α (alpha) Cygnid Meteor Shower The shower will be visible throughout July and August. The radiant of the shower will appear 70° above the eastern horizon at midnight. This means that around 4 meteors per hour should be visible, since the radiant will be high in the sky.

Forthcoming Club Events

Meetings are held in **The Lounge, Geddington Village Hall, Queen Street, Geddington NN14 1AZ.**

Please visit www.naastronomy.com to check final meeting information. Visit the NAA Facebook pages for discussion, photos and events.



Tuesday 2 July 7.30 for 7.45pm - Celebrating the 50th anniversary of the first Apollo Moon Landing

Tuesday 9 July 7.30pm - Committee meeting at The Piper, Windmill Avenue, Kettering

Tuesday 16 July 7.30 for 7.45pm - Members' talks or sky watching

Tuesday 6 August 7.30 for 7.45pm - Committee meeting at The Piper, Windmill Avenue, Kettering

Tuesday 13 August 7.30pm - Perseid Meteor Shower Evening (booking essential, for refreshments)

Tuesday 20 August 7.30 for 7.45pm - Members' talks or sky watching

Meetings with guest speakers: £3 (£4 for non-members)

General meetings: £2 (£3 for non-members)

Full membership: £30 (Concessions £19)

Club Contact Details

President: Nick Freville Tel: 01536 723211 email: astro2002astro@yahoo.co.uk

Chair and Speaker Co-ordinator: Sue Yendell
Tel: 01536 515976 email: susan-yendell@sky.com

Treasurer: Eleanor Patrick Tel: 01536 521488

Joint Secretaries: Jane Napier Tel: 07960 262401, Anne Douglas email: adouglas2@sky.com

Committee Members: Mervyn Lloyd Tel: 07706 181770, Frank Tasker Tel: 01536 390040

Useful websites:

<https://www.timeanddate.com/astronomy/sights-to-see.html>

<https://in-the-sky.org/newscal.php?month=3&year=2019&maxdiff=2>

<https://www.nasa.gov/>

Registered Charity No: 1029891



Image Credit: Pixabay.com

www.naastronomy.com

