

# Discover the pioneering woman scientist who mapped the moon

08/03/2024



Museum of the Moon by Luke Jerram is 6m in diameter and shows the moon's surface using stunning NASA imagery. Credit: James Billings.

Mary Blagg is being celebrated by her hometown with activities to get people interested in her story and scientific heritage.

We're supporting a Staffordshire project to run events in honour of an important astronomer this Women's History Month, taking place under Luke Jerram's touring installation, *Museum of the Moon*.



Mary Blagg with two children, believed to be Belgian refugees, whom she cared for during the First World War.

## Who was Mary Blagg?

Mary was born in 1858 and lived almost all of her life in Cheadle, a market town in the Staffordshire Moorlands. She was well-educated, studying German and algebra at boarding school.

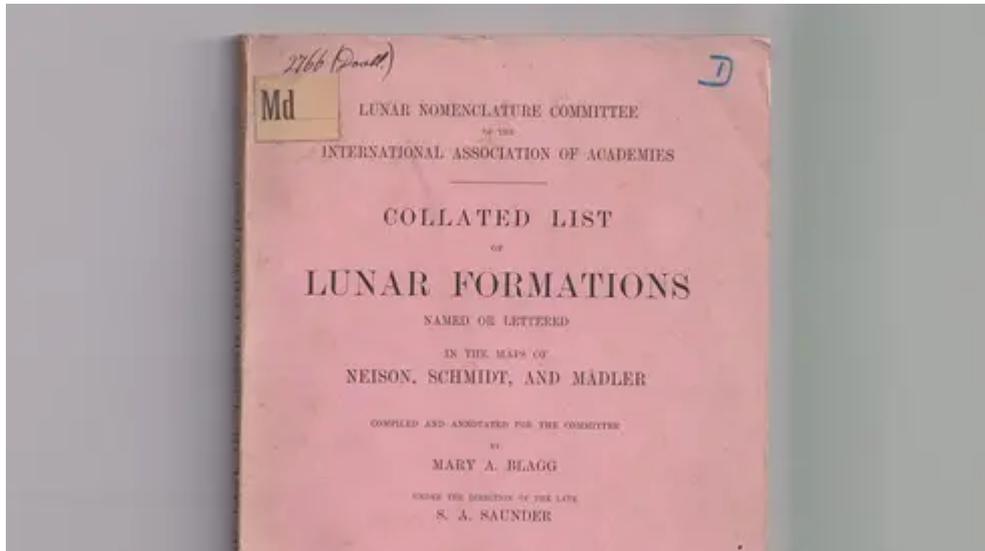
In the early 1900s she became interested in astronomy, attending lectures and teaching herself mathematics. Her first paper, published in the *British Astronomical Association Journal* in 1906, investigated the scintillation (or twinkling) of stars.

## Mapping the moon

Keen to contribute her own work to the field, she standardised how the moon's craters were mapped and named, carefully compiling data from previous lunar maps on the position, size and characteristics of 4,789 different lunar features. She published it in 1913.

Mary's hard work was recognised when, in 1916, she was among the first women to become fellows of the Royal Astronomical Society. A few years later she was elected to the Lunar Commission of the prestigious International Astronomical Union (IAU).

After several years of collaboration, in 1935 she and Czech astronomer Karl Müller published a definitive survey of the moon's features. It was the authoritative reference for other astronomers until the mid-1960s when NASA commissioned new photographic maps in preparation for the Apollo moon missions.



Mary Blagg's 1913 work on lunar features. In her day it wasn't unusual for a woman amateur astronomer to be playing a role in scientific discoveries.

## A humble trailblazer

Mary was undoubtedly talented but was also reserved and quietly dedicated to her scientific work – she rarely attended meetings of the IAU and in the 1930s she turned down their offer to name a lunar crater after her. (They did anyway, and in 2023 a minor planet was named Maryblagg in her honour.) She didn't draw attention to her work, but her scientific achievements have made her forever a part of the story of astronomy.

## Celebrating Mary's story for Women's History Month

The [Cheadle Moon project](#) (awarded £24,693) is researching and celebrating Mary's contributions to science to mark 80 years since her death. Cheadle Discovery Group came up with the idea, and a group of local people have been busy making it a reality. Help is also coming from OUTSIDE, an Arts Council England Creative People and Places programme.

*Museum of the Moon* will be on display in St Giles the Abbott church, where Mary is buried, from 15 March to 5 April 2024. Celebrating Mary is bringing the town together, from local businesses helping to decorate the town with shopwindow displays to schools and community groups planning lessons and activities.

Our funding is helping to make possible:

- an exhibition, audio guide and schools' resources on Mary's life and work
- science and history talks and stargazing sessions
- live music and spoken-word performances and film screenings
- wellbeing activities including yoga under the *Museum of the Moon*

[Explore what's on in Cheadle during Women's History Month.](#)



*Museum of the Moon* by Luke Jerram on show in a church in Portsmouth. Photo: Wikimedia Commons / Tim Sheerman-Chase.

Sarah Bird, Creative Director of OUTSIDE, said: “It has been heart-warming to see how excited the local community have become about celebrating the life of a local pioneering woman, who almost 100 years ago worked so diligently to advance our understanding of the moon.

“We hope that by programming a wide range of activities, performances and workshops across science, arts and wellbeing, there will be something that encourages everyone in the area to come along and be inspired by Mary’s story.”

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## **Bringing Henrietta Lacks' story to life in Bristol**