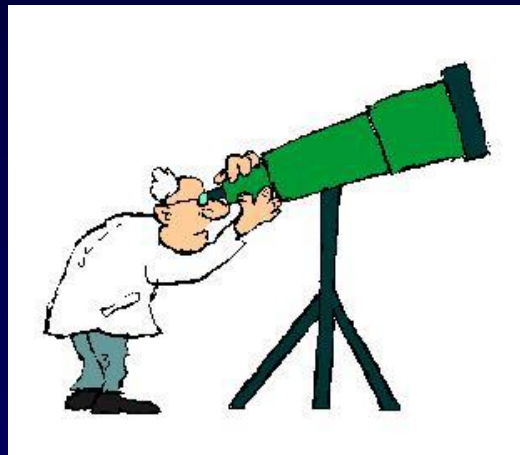


# What's Up!

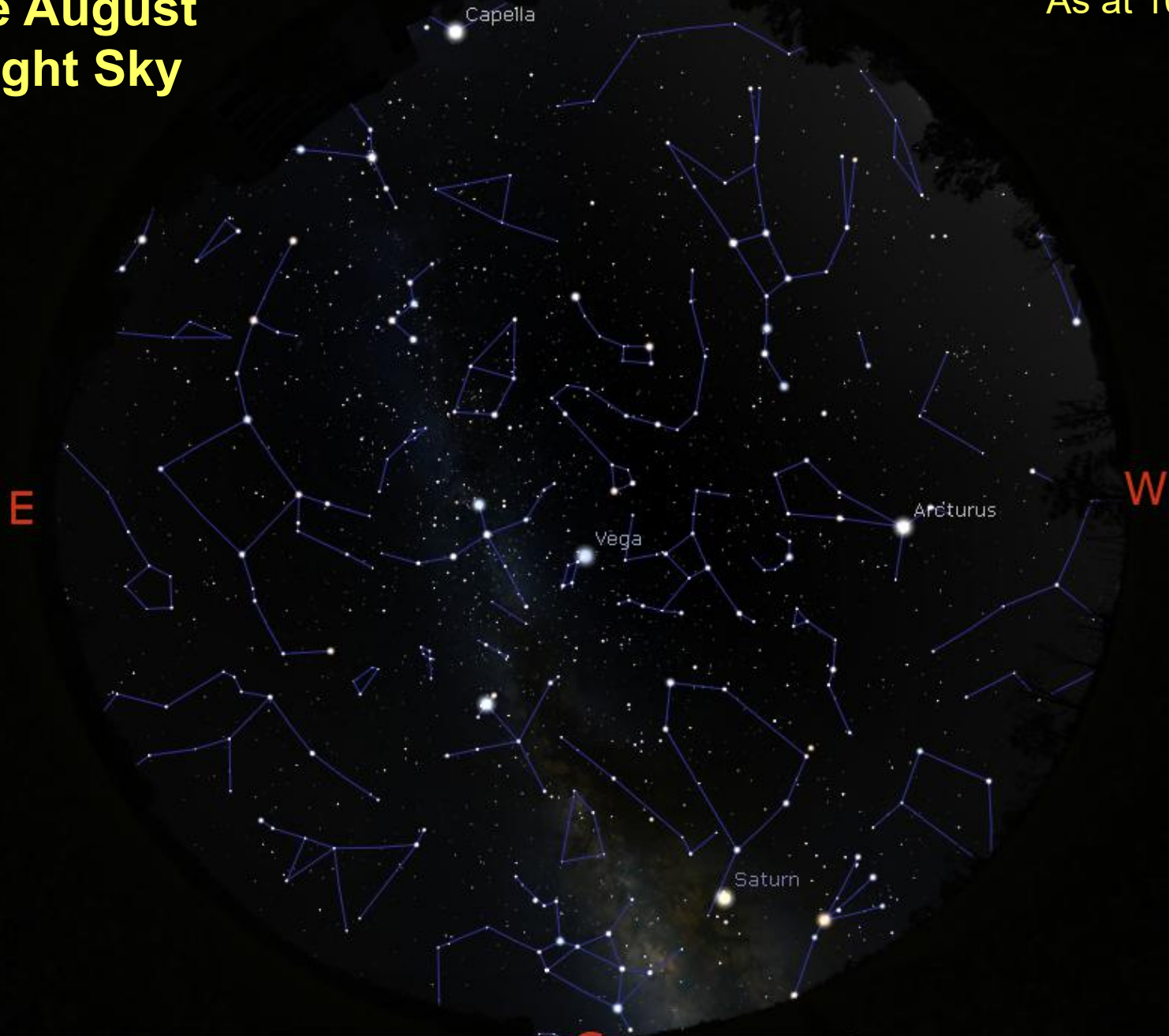
For August 2017



**BROOKLANDS****RADIO**  
**ONLINE** The Sound of **Surrey**

# The August Night Sky

As at 10 p.m.


































FOV 184°

15.8 FPS

2017-08-15

22:03:47 UTC+01:00

# The Moon in August

AUGUST 2017							
MON	TUES	WED	THUR	FRI	SAT	SUN	
	1  Waxing Gibbous	2 	3 	4 	5 	6 	
7  Full Moon	8 	9  Waning Gibbous	10 	11 	12 	13 	
14  Third Quarter	15 	16  Waning Crescent	17 	18 	19 	20 	
21  New Moon	22 	23  Waxing Crescent	24 	25 	26 	27 	
28  First Quarter	29 	30  Waxing Gibbous	31 				

# What's Up - Planets

- **Mercury**

- Very difficult to find but theoretically possible, Mercury will be just over one degree above the Western horizon at 9.30 at start of month.

- **Venus**

- A brilliant morning object at Mag -4.0 low in the E-NE, rising about 2 hours before the Sun by end of month:

- **Mars**

- Just about possible to catch Mars towards the end of the month as a morning object, rising in E-NE about an hour before the Sun

# What's Up - Planets

- Jupiter

- Still visible most of the evening but now getting lower and dimming slightly to mag -1.7, but still dominating the Western evening sky. Easily visible as a disc in binoculars and small telescopes.

- Saturn

- Now in Ophiuchus as an evening object, due south as night falls but still relatively low at  $15^\circ$  and magnitude +0.3. Its rings are tilted very favourably, so a fine sight in a small telescope.






- Uranus

- Telescopic morning object at Mag +5.7 in Pisces

- Neptune

- Telescopic morning object at Mag +7.8 in Aquarius

# Events of Interest in August

- **2<sup>nd</sup>** Venus just  $2.5^\circ$  south of M35, cluster in Gemini 
- **3<sup>rd</sup>** Saturn just  $5^\circ$  from the Moon 
- **7<sup>th</sup>** The rising Moon (8.50 p.m.) will be slightly darker as it's in Earth's penumbrial shadow.
- **12<sup>th</sup>** Maximum of annual Perseids meteor shower 
  - best time is early hours of 13<sup>th</sup> but Moon will interfere
- **19<sup>th</sup>** Crescent Moon just  $3^\circ$  from Venus before dawn.
- **21<sup>st</sup>** Partial Solar Eclipse begins just 30 mins before sunset; low horizon needed.
  - NB Wear Eclipse glasses or project an image. 
- **25<sup>th</sup>** Jupiter and waxing crescent Moon  $3^\circ$  apart 
- **31<sup>st</sup>** Venus just  $2.5^\circ$  south of M44, the 'Beehive' cluster in Cancer

# Local Events in August

- **Saturday 12<sup>th</sup> August**
- Guildford AS will have telescopes at Dapdune Wharf in Guildford for National Trust's "A Night With The Stars"
  - 7.30 p.m. to 10.00 pm
  - Maximum of the Peseids Meteor Shower
  - Booking essential, £5.00, see NT Dapdune website
  - take a rug!

# South West Astronomy Fair

- **Saturday 12<sup>th</sup> August, 9.30 a.m. to 5.30 p.m.**
- **Norman Lockyer Observatory, Sidmouth, Devon**
  - Planetarium Shows
  - Presentations
  - Historic Telescope Talks
  - Solar Observing
  - Trade Stands
  - Activities for children
  - [www.southwestastrofair.com](http://www.southwestastrofair.com) for booking details.



# Meetings at Local Astro Societies

- **Farnham AS** *Aldershot Cricket Club*
  - Tuesday 8<sup>th</sup> August, 7.45 p.m.
    - Relativity
      - » Andrew Collins, Farnham AS
- **No Meetings in August at**
  - Guildford AS
  - Croydon AS
  - Ewell AS

# Astronomy on TV

- **The Sky at Night**

- *It Came From Outer Space*

- The team investigates the space debris that makes its way to Earth, landing on the surface or burning up in the atmosphere. They discuss how these space rocks might carry the precursors of life or provide clues as to how the Moon was formed, and how to find space dust on the roof of your house.

Sunday            13<sup>th</sup> August    BBC 4, 10.00 pm

Thursday        17<sup>th</sup> August    BBC 4, 7.30 pm

*for exact times please check [www.radiotimes.com](http://www.radiotimes.com)  
or [www.bbc.co.uk/skyatnight](http://www.bbc.co.uk/skyatnight)*