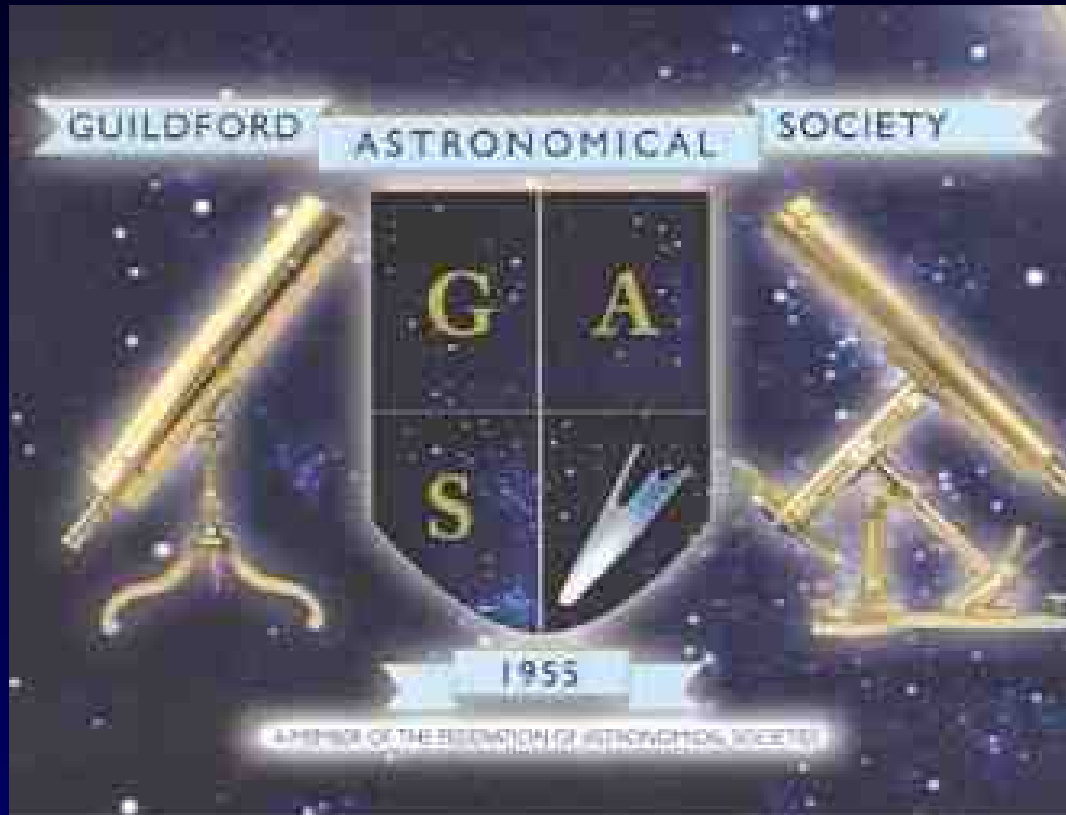


What's Up! (July & August)

2nd July 2009



What's Up - Planets

- Venus

- Mag -4.1, 16" disc, low in the SE, early morning

- Mars

- Mag +1.1 but small 4" disc, again low in SE early morning

- Jupiter

- Getting better, rising before 10p.m., mag -2.8, 47" disc, but low in Capricorn

- Saturn

- Still just observable, but soon lost in twilight, gone by August

- Uranus

- Another morning object at mag +5.8, 3" disc, in Pisces

- Neptune

- Still close to Jupiter, but at mag +7.8 and only 2" disc

What's Up - Phenomena

- **Meteors**

- 21st July : alpha Cygnids, ZHR 5
- 26th July : Capricornids
- 28th July : delta Aquarids, ZHR 20
- 2nd Aug : alpha Capricornids, ZHR 5
- 6th Aug : iota Aquarids, ZHR 10
- 7th Aug : delta Aquarids, ZHR 10
- 12th Aug : Perseids, ZHR 80
- 28th Aug : alpha Aurigids, ZHR 10

- **Lunar Eclipse**

- 1st Aug : Poor partial eclipse, penumbral only - slight dimming

- **Occultations**

- 18th July : Moon occults Pleiades, from 02.00 hrs

What's Up - Phenomena

- **Noctilucent Clouds**

- Likely still in July, at twilight, when Sun a few degrees below horizon, look to North for pearly, silver-blue clouds

- **Photo Opportunities**

- 27th July: early a.m. Venus just $\frac{1}{2}^\circ$ south of M1 Crab

Meetings at Local Societies

- **Tuesday 14th July**

- Farnham AS, “Remote Control of your Telescope”
 - Dr Lillian Hobbs

- **Friday 17th July**

- Richmond & Kew AS, “The Apollo Mission Revisited?”
 - Jerry Workman

- **Tuesday 11th August**

- Farnham AS, “An Astronomy Miscellany”
 - Maurice Kent

Other Meetings / Events

- **Saturday 27th July, all day**
 - **Telescope 400**
 - Syon House, Richmond
 - astro theme activities plus evening reception
 - Details at www.telescope400.org.uk
- **Throughout July**
 - **One Giant Leap**
 - Misc films, BFI Southbank , London
 - **Launchpad Gallery**
 - Science Museum, London
 - **40th Anniversary of Apollo Moon Landing**
 - Royal Observatory Greenwich

Other Meetings / Events

- **From 23rd July**

- “Cosmos and Culture”
 - Science Museum, South Kensington

- **24th July to 28th August**

- “Thomas Harriot – England’s Galileo” Exhibition
 - West Sussex Records Office, Chichester