

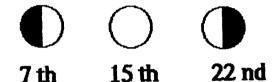
# NIGHT SKY

All times GMT

SUN

Rises approximately at 07.50 to 06.50 Sets approximately at 16.40 to 17.30

# MOON



<u>MERCURY</u> Mercury will be at inferior conjunction on the 3rd. It should be well seen by the end of the month in the morning twilight sky. Mag. 0.4 and has a western elongation of 25° at the end of the month.

<u>VENUS</u> Venus will be rising about a hour and a half before the sun at the end of the month. It remains a bright morning sky object, mag. -4.2

MARS Mars will be be at opposition on the 12th. Mag. -1.2

 $\underline{\text{JUPITER}}$  Jupiter will be rising at about 02.00 in mid month. Mag. -2.0.

<u>SATURN</u> Saturn is very low down in the western sky, setting only a few minutes after the sun at the end of the month.

<u>URANUS & Neptune</u> Uranus and Neptune will both be in the morning twilight sky this month and be difficult to see.

R.Gooding

### **OCCULTATIONS DURING FEBRUARY 1995**

The table lists disappearance times of stars of magnitude 7.5 or brighter which are occulted during the month. Only events taking place under favourable circumstances are listed. The data relates to Orwell Park Observatory, and timings, etc. will differ slightly for nearby locations.

Date	Time (UT)	Mag	Lunar Phase	Sun Alt (°)	Star Alt (°)	Star
Wed 08 Feb	21:27:00	7.1	0.62+	-41	45	ZC617
Sat 11 Feb	17:30:28	7.4	0.86+	-5	36	PPM22779

James Appleton

### SOCIETY NEWS

#### 1 1995 ANNUAL SUBSCRIPTIONS

The annual subscriptions are due on January 1st 1995. Rates for 1995-

JUNIOR & OAP £7.50 (under 18 or in full time education)

ADULT £11.00

FAMILY £12.50

Cheques & P.O.'s made payable to the ORWELL ASTRONOMICAL SOCIETY (IPSWICH) together with the form, included with January's newsletter. The form is for checking the society membership records. Please sent all monies to:

Martin Cook

Ipswich IP4 5PZ

If you do not wish to rejoin the society for 1995 could you please either write or phone Martin Cook.

#### NEW CAR PARKING FOR 1995

*	
*	The society has been asked by the school to change our
*	present car parking arrangements. Will all members
*	and visitors please now park around the grass island
*	infront of the school and not near the school kitchens
*	

#### 3 Committee Meeting

2

The Next committee meeting will be held on saturday 4th February, at 7.30pm. Any member who wishes to attend will be welcome

#### 4 List of events for 1995

Lecture meetings being arranged

Ron Mcarthur

Nick Szymanck

A new lecture venue will be used at Ipswich Prep. School Henley Road.

An evening visit to the new Norwich AS observatory February of March

BAA/CUAS meeting Cambridge 18-3-95 BAA Winchester weekend 31-3-95

Lacture meeting. Nik Szymanek will be giving a talk on CCD cameras. This will be at a new lecture venue. Ipswich Prep.

School Henly Road 7-4-95

WEB Society AGM Cambridge 20-5-95
BAA Exhibition London 24-6-95
Astro Camp 13-8-95
FAS Convention 30-9-95
Christmas Meal 20-12-95

Open Weekend To be arranged

The BBC will be broadcasting a new series on Astronomy starting on 22nd January an early open weekend may be arranged to coincide with this.

## **PERSEUS**

Perseus is a constellation of importance to northern hemisphere observers. Being a large winter constellation with many fairly bright stars, several double or multiple stars, one very famous variable star and a host of deep sky objects. It is in a very accessible part of the sky and is found directly north of the Pleiades and just under half way towards Polaris.

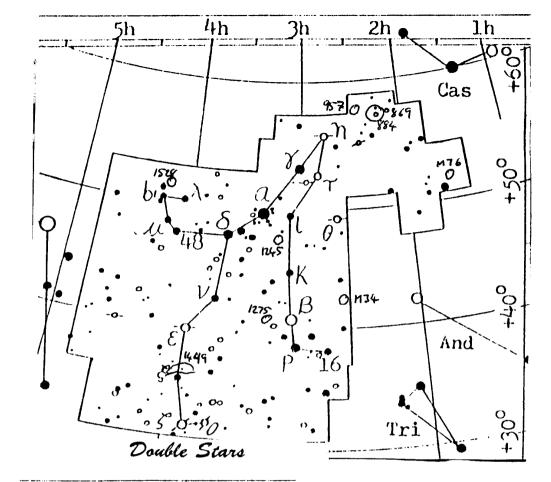
Perseus has the Milky Way running through it from north west to south east so it is a treasure-trove of telescopic and binocular objects. There are several open clusters, these being crowned by the double cluster of N.G.C. 869 and N.G.C. 884 best seen through a low-power eyepiece or binoculars. Then you can get a better view of the surrounding background making the clusters really stand out.

N.G.C. 884 contains several red stars with one near the centre. While N.G.C. 869 has more bright stars and is a little richer but has no red stars. About one degree east there is another small open cluster this is N.G.C.957 with about 40 stars including two doubles.

M 34 is an open cluster that is supposed to be visible to the naked eye, but you have to have better eye sight than me. M 34 contains about 80 stars including several pairs. N.G.C. 1245 is a fairly rich cluster which contrasts nicely with two bright stars either side. N.G.C. 1528 is another open cluster with many fairly bright stars.

M 76 is a small and very faint planetary nebula, at about 12 th magnitude its a wonder that Messier saw any thing at all. A medium size telescope will show it as a dumb-bell shape.

For owners of larger telescopes the PERSEUS Cluster of Galaxies is a fair target. Centred on N.G.C. 1275 there is a string of galaxies about a degree long spreading west and around it which are visible in a 10 inch telescope or better. N.G.C. 1499 is known as the California Nebula because of its resemblance to the shape of the west coast state of America. It is 2.5 degrees long and just north of the star ( $\xi$ ) which illuminates it.



Pos	1	D	2	d"	P	A	No.

022555 6.8-8.2 2.6 130 E268 4049 4.2-10. 18.2 301 6 4435 6.5-8.6 1.6 183 B9 4755 3.9-8.6 28.4 301 n 5752 5.4-6.7 12.2 86 E331 031340 6.8-7.8 3.4 30 E369 4132 4.0-8.5 1.0 41 0 5131 2.9-9.4 12.9 208 \$ 5439 2.9-8.1 9.0 9 £

042839 6.9-7.1 9.0 114 E552

n White-blue, nice background. E369 Yellow, blue.

E552 Both stars are white.

ALGOL the "Demon Star" is a dark-eclipsing binary, mag 2.3 to 3.7 every 3 days.

# Articles needed for publication.

Last November Due to a shortage of articles or any sort of information from members, only a single sheet news letter was possible. So I am asking for more items for publication.

Any astronomical events or experiences you have had on Meteor counts or eclipses of the Sun or Moon. Visits you have made to observatories in this country or abroad, Telescopes or binoculars you have made or adapted in any way to make them easier to use or for any special purpose. Photographs or diagrams to go with any article also helps to explain what you are trying to do or what you have seen. In fact any thing that might be of interest to any members of this society Any articles will be most appreciated and should be in A 5 size format or at least keep the wording a little bit narrower than this page. If you don't have access to a type writer or computer to do your writing don't worry. If you write out what you have to say in clear hand writing so that I can understand it, Then I will type it out for you.

Please send all you can to me, my address is on the back page or hand any items to any committee member and they will see that I receive them as soon as possible. E.Sims

### PROGRAMME FOR FEBRUARY

Mondays from 7.30pm	GENERAL OBSERVATION SECTION				
No Directors available for this i	night				
Tuesdays from 7.30pm	GENERAL OBSERVATION SECTION				
Mr D Barnard	daytime only				
Wednesdays from 7.30pm	NEBULA & FAINT OBJECTS SECTION				
Mr M Cook	Mr D Payne				
Thursdays from 7.30pm	OBSERVATORY VISITS FROM OUTSIDE GROUPS				
Mr P Richards					
Fridays / Saturdays from 7.30p	PLANETARY & LUNAR SECTION				
Mr P Richards					
All members are welcome to come but, on nights other than Wednesdays please check with the director of the night that the observatory will be open.					
Lectures and other events: 4th February Committee Meeting in the club room.					

9th February Visit from Amberfield School.

No other dates available at time of printing.

1995 COMMITTEE			
		Home Phone	Work Phone
CHAIRMAN	D Payne		
SECRETARY	R Gooding		
TREASURER	M Nicholls		
MAINTENANCE CO-ORD	M Cook		
JOURNAL CO-ORDINATOR	E Sims		
PUBLICITY & VISIT CO-ORD	P Richards		
EQUIPMENT CURATOR	M Harlow		
SPECIAL EVENTS CO-ORD	P Richards		
LIBRARIAN & COMP SOFTWARE	J Appleton		
	• •		
JOURNAL ARTICLES TO	E Sims	lpsw	ich Suffolk IP1 4HA

CORRESPONDENCE ADDRESS R Gooding OASI Secretary

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