

ORWELL ASTRONOMICAL SOCIETY IPSWICH

SOCIETY NEWS

1 COMMITTEE MEETING

The next committee meeting will be on Saturday 24th June, with a start at 7.30pm in the club room. As usual this is an open meeting and any member who wishes to attend will be welcome.

2 Two items from Pete Richards

- i) Pete is arranging a society bowling event, this could either be at Solar or the referred venue Kingpin. The most favoured day at present is on a saturday.
- ii) Pete also mentioned a possible holiday in December with a view to going to La Palma.

JUNE
1993

NIGHT SKY

All times GMT

<u>SUN</u>	Rises approximately	03.30
	Sets approximately	20.30

MOON



4 th



12 th



20 th

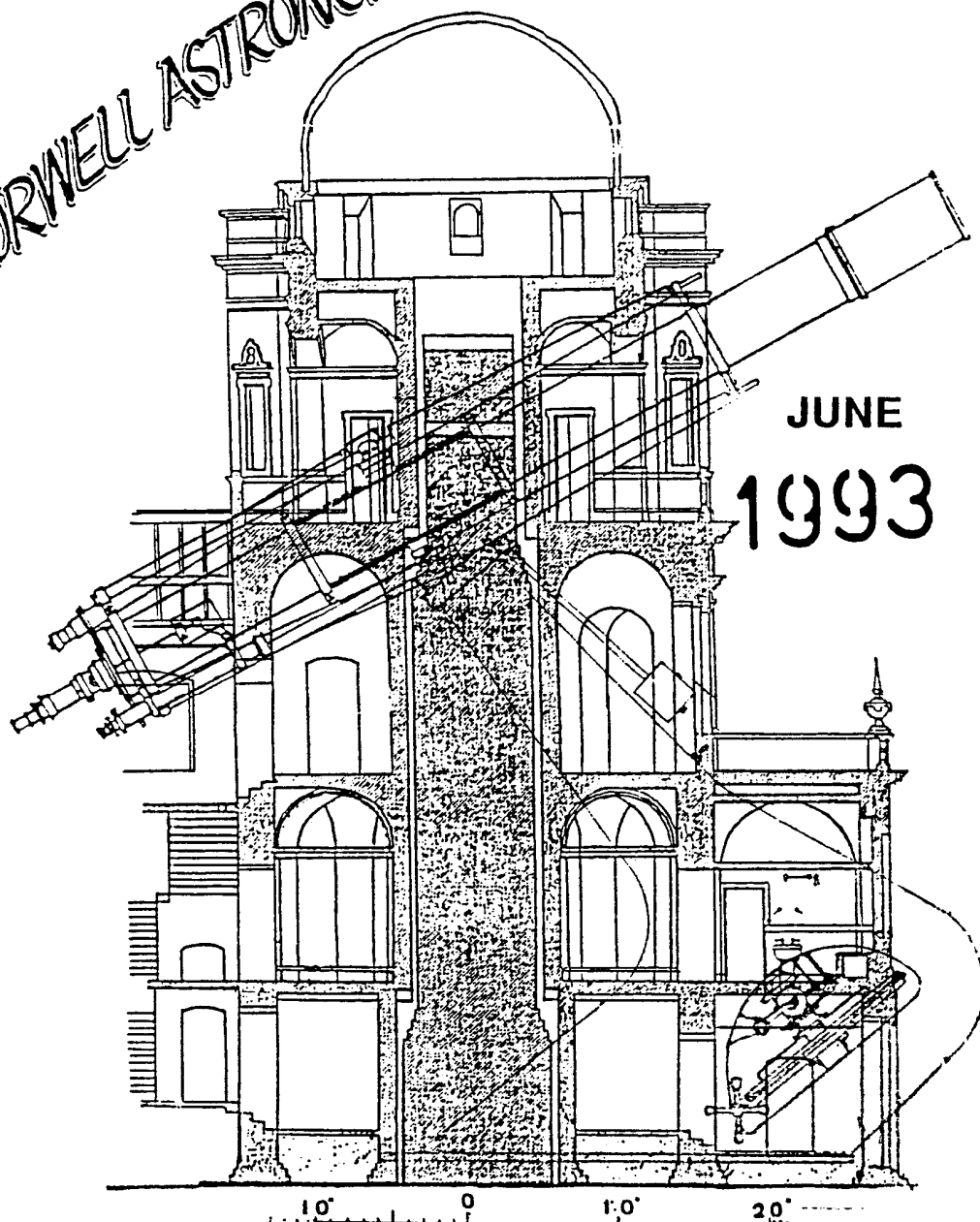


26 th

MERCURY Mercury will be at greatest eastern elongation (25°), on the 17th. It will be low down in the northwestern sky after sunset. Magnitude in mid month will be 0.5.

VENUS Venus will be at greatest western elongation (46°) on the 10th. It will be rising about 2 hours before the sun. Mag. -4.2

MARS Mars will be set at about 11.30 in mid month. Mag. 1.4. It will be passing close to Regulus on the 22nd of the month.



JUPITER Jupiter will be setting at about 00.30 in mid month. Mag. -2.1.

SATURN Saturn will be rising at about midnight in mid month. It is near the border of Aquarius and Capricornus. Mag. 0.8

URANUS Uranus will be rising at about 21.40, in mid month. Mag. 5.7

NEPTUNE Neptune is close to Uranus in the sky (1° apart) and will be rising at about the same time. Mag. 7.9

R. Gooding

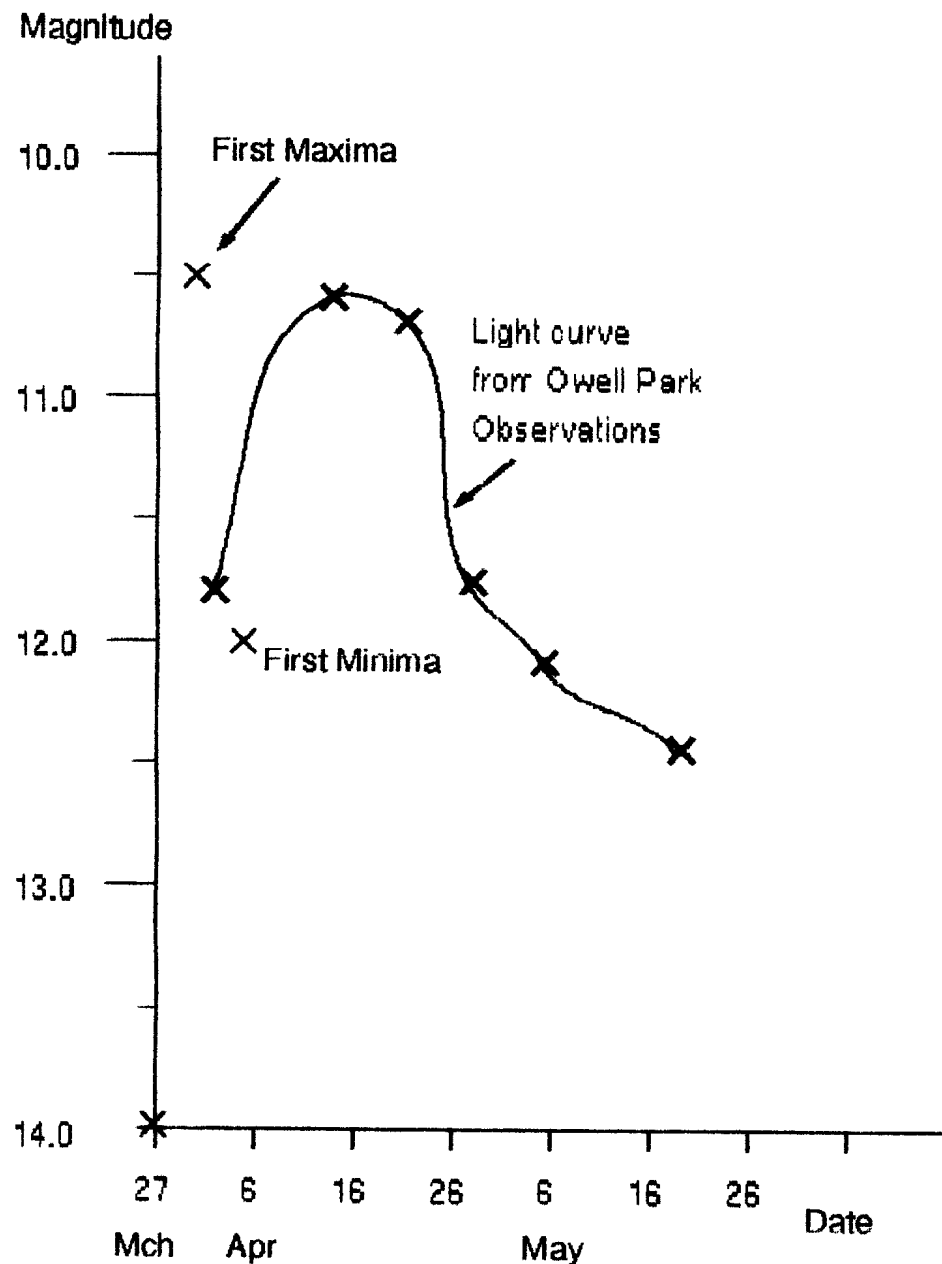
Update on Supernova 1993J

David Payne

The supernova in M81 is still visible and should continue to be observed.

From a report by Ron Arbour in Astronomy Now the supernova has already shown itself to be rather peculiar by exhibiting a double peak in brightness. The Supernova rose rapidly from magnitude 14 at discovery on 26.9th March to a peak magnitude of 10.5 by the 31st. It then faded to first minima of around magnitude 12 on the 5th of April. After the 5th it started to rise again back to a brightness around magnitude 10.5.

The observations of SN1993J at Orwell park started on the 2nd April and have been rather sparse and spread out. This late start meant that we missed the first rapid rise, Our first observation occurring during the first decline in brightness. However our observations do indicate the second rise which probably peaked sometime around the 16th April (estimated from our rather sparse observations, see the light curve shown below). From the 21st April our observations have shown a consistent fading and at the last observation (so far!) on 19th May the brightness was estimated to be about magnitude 12.4.



The light curve shown below, derived from the observations with the ten inch refractor, indicate that the second decline was fairly rapid but now appears to be slowing down. If this trend continues we may still be able to observe the Supernova for a few more weeks with the Orwell Park telescope.

Note that the lighter crosses on the curve show the discovery, first maxima and first minima respectively. The solid curve is fitted to the OASI observed data only and because of sparse results this misses the first minima that occurred on the 5th April.

HERCULES

Hercules is an important spring and summer constellation. It is located between Ophiuchus to the south Lyra to the west and Corona Borealis to the east. The kneeling figure is quite easy to trace but later in the summer he seems to go upside down when dropping in the west.

Hercules has some fine deep sky objects to offer one being M13 which is a globular cluster and one of the finest in the sky. The advantage for northern observers is that M13 passes almost directly overhead and is therefore being seen at its very best. I am told that from a dark observing site it can be seen with the naked eye but I need binoculars or a small telescope to show a fuzzy blob, but with a 10 inch instrument a truly magnificent sight as hundreds of individual stars start to resolve themselves to you. Even photographs don't do it full justice as the inner areas appear to over expose.

Another excellent globular cluster in Hercules is M92. It is a little more concentrated in the center than M13 and a few less stars but still well worth finding.

Another globular cluster in Hercules is N.G.C.6229 but after the other two a bit disappointing as it has fewer stars and is rather faint about mag 9.4.

Hercules contains a wonderful rich cluster of galaxies but they are too faint for visual observation. Using any telescope of less than 16 inch aperture is a waste of time.

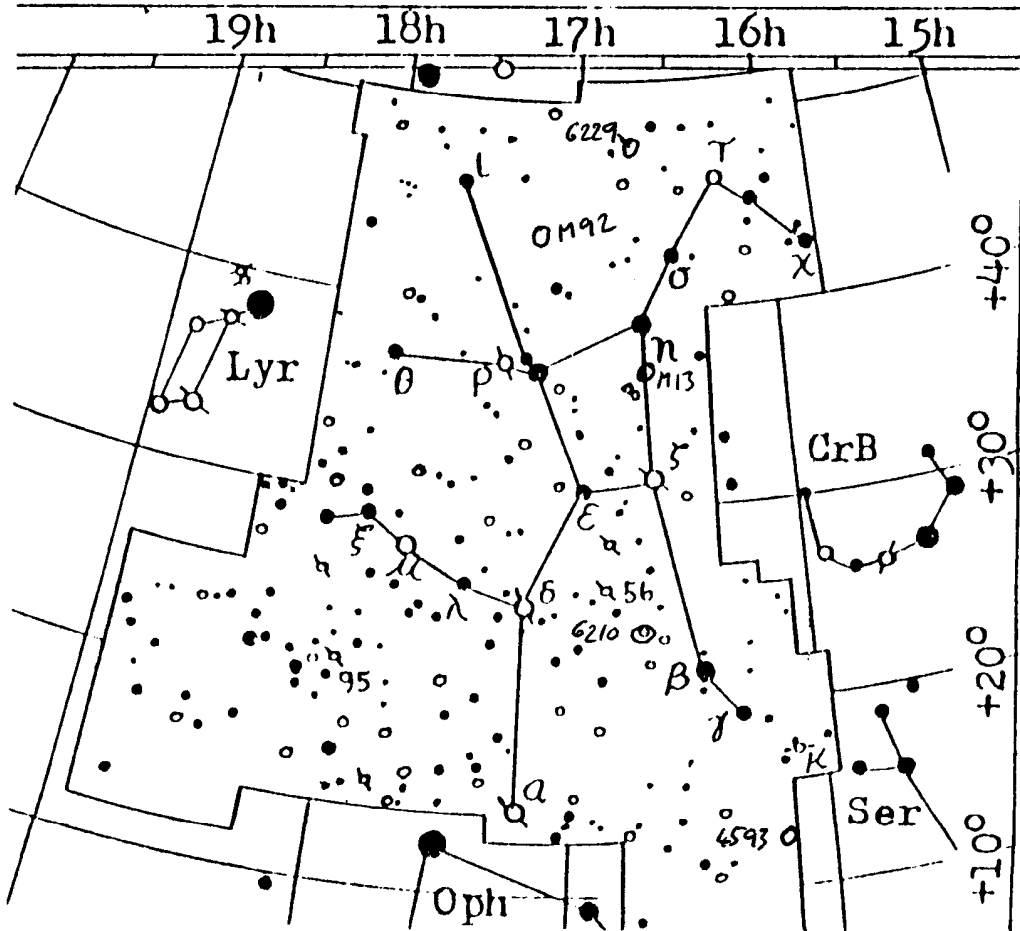
There are also two planetary nebulas of 9.4 and 10.9 mag respectively being N.G.C.6210 and IC4583.

Double Stars

Pos.	1	m 2	D	d"	P A	No.
160517	5.3-6.5	c	29.4	12	K	
3931	3.1-5.6	b	0.5	34y	5	
4928	6.8-8.2	b	1.2	74	E2107	
5325	6.4-10.	d	18.4	94	56	
171214	3.5-5.3	b	4.6	109	a	
1324	3.1-8.8	o	10.0	216	δ	
2237	5.4-4.5	b	4.0	317	ρ	
4915	7.2-7.4	b	0.8	178	OE338	
5921	5.2-5.1	b	6.5	258	95	
180526	6.0-5.9	b	14.1	182	100	

- K Yellow, red.
- a RASALGETI: A real showpiece. Intense orange, blue-green.
- δ Greenish-white and purple.
- ρ Both green.
- 95 Attractive pair of pale green and pale red.

HERCULES



PROGRAMME FOR JUNE

DAYS & DATES	DIRECTORS	SECTION & ADDRESSES	PHONE INC. STD CODE
Mondays	from 7.30pm	GENERAL OBSERVATION SECTION	
7-14-21-28	Mr R Newman	[Redacted], Felixstowe, IP11 9DY	[Redacted]
	Mr J King	[Redacted], Felixstowe, IP11 9LQ	[Redacted]
Tuesdays	from 7.30pm	GENERAL OBSERVATION SECTION	
1-8-15-22-29	Mr R Newman	(Address above.)	(Number above)
	Mr J King	(Address above.)	(Number above)
Wednesdays	from 8.00pm	NEBULA & FAINT OBJECTS SECTION	
2-9-16-23-30	Mr M Cook	[Redacted], Ipswich, IP4 5PZ	[Redacted]
	Mr D Payne	[Redacted], Wickham Market, IP13 0SD	[Redacted]
Thursdays	from 7.30pm	OBSERVATORY VISITS FROM OUTSIDE GROUPS	
3-10-17-24	Mr P Richards	[Redacted], Nacton, Ipswich, IP10 0HS	[Redacted]
	Mr G Marriott	[Redacted], Ipswich, IP4 4JB	[Redacted]
Fridays	from 7.30pm (may be postponed to Saturday)	PLANETARY & LUNAR SECTION	
4-11-18-25	Mr P Richards	(Address above.)	(Number above)
	Mr R A Lobbett	[Redacted], Felixstowe, IP11 8UJ	[Redacted]
	Mr G Marriott	(Address above.)	(Number above)

All members are welcome to come but, on nights other than Wednesdays please check with directors that the observatory will be open. Directors will also be able to tell you if a group visit is taking place. All of the sections observe anything of interest but the title of each section suggests a popular subject.

Lectures and other events:

1992 COMMITTEE

			Home Phone:	Work Phone:
CHAIRMAN	D Payne	(Address above)	[Redacted]	[Redacted]
VICE CHAIRMAN & MEMBERSHIP SECRETARY	D Barnard	[Redacted], Ipswich, IP3 8RN	[Redacted]	[Redacted]
SECRETARY	R Gooding	[Redacted], Ipswich, IP1 6AE	[Redacted]	[Redacted]
TREASURER	M Nicholls	[Redacted], Capel St Mary, Ipswich, IP9 2EX	[Redacted]	[Redacted]
MAINTENANCE CO-ORD	M Cook	(Address above)	[Redacted]	[Redacted]
JOURNAL CO-ORDINATOR	E Sims	[Redacted], Ipswich, IP1 4HA	[Redacted]	[Redacted]
PUBLICITY & VISIT CO-ORD	P Richards	(Address above)	[Redacted]	[Redacted]
EQUIPMENT CURATOR	J King	(Address above)	[Redacted]	[Redacted]
SPECIAL EVENTS CO-ORD	A Smith	[Redacted], Ipswich, IP4 5RZ	[Redacted]	[Redacted]