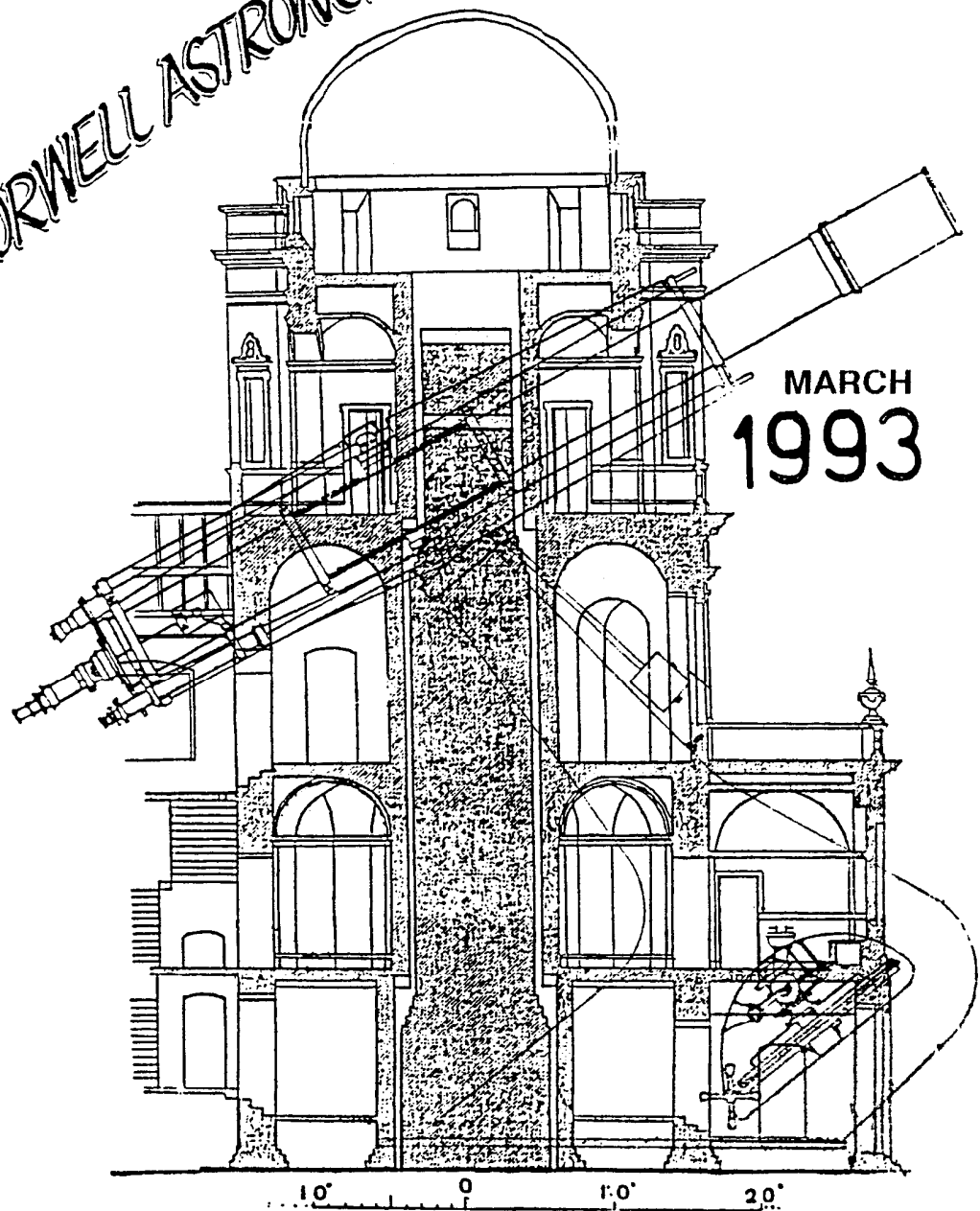


# ORWELL ASTRONOMICAL SOCIETY IPSWICH



**MARCH  
1993**

## SOCIETY NEWS

### 1 1993 ANNUAL SUBSCRIPTIONS

The annual subscriptions are due on January 1st 1993. The rates for the new year will remain at the 1992 levels.

Rates for 1993-

JUNIOR & OAP	£7.50	(under 18 or in full time education)
ADULT	£10.50	
FAMILY	£12.00	

Cheques & P.O.'s made payable to the ORWELL ASTRONOMICAL SOCIETY (IPSWICH) together with this form to Membership Secretary:-

Mr. D. Barnard  
 [Redacted]  
 IPSWICH  
 IP3 8RN

### 2 OPEN WEEKEND

The OPEN WEEKEND this year is to be held on April 2nd, 3rd & 4th. The observatory will be open from 8 to 10 pm each evening, as usual as much help as possible is needed from members to look after the visitors. Even if you can only help for an hour or so please come along.

### 3 COMMITTEE MEETING

The next committee meeting will be held on Saturday 27th March at the observatory, starting at 19.30. As usual this is an open meeting to which any member is invited to attend if they wish.

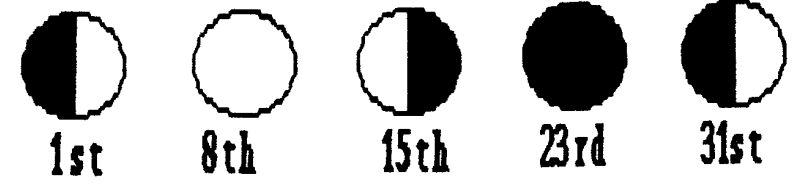
## NIGHT SKY

### SUN

Rises approximately between 06.50 to 05.40  
 Sets approximately between 17.30 to 18.30

All times GMT

### MOON



1st      8th      15th      23rd      31st

MERCURY Mercury is at inferior conjunction on the 9th. It will not be visible this month.

VENUS Venus is still well placed in the evening sky at the beginning of the month, but quickly closes towards the sun in the second half of the month. Mag -4.5

MARS Mars's distance from the earth increases this month resulting in its brightness decreasing from Mag. 0 to +0.6

JUPITER Jupiter is at opposition on the 30th, and will be visible all night. Mag. -2.5.

SATURN Saturn will be rising by 04.30 at the end of the month.

URANUS & NEPTUNE Uranus will be rising by 03.00 at the end of the month. Neptune is close to Uranus in the sky and will be rising at about the same time.

R.Gooding

## CAMELOPARDALIS

Camelopardalis is a constellation formed by many faint stars around the north celestial pole. The brightest stars are only about 4th mag so it appears to be a very barren area of the sky although it covers a large area of sky, but to the telescopic observer it is a different thing altogether with multiple stars, galaxies and open cluster and two planetary nebulae in its boundary.

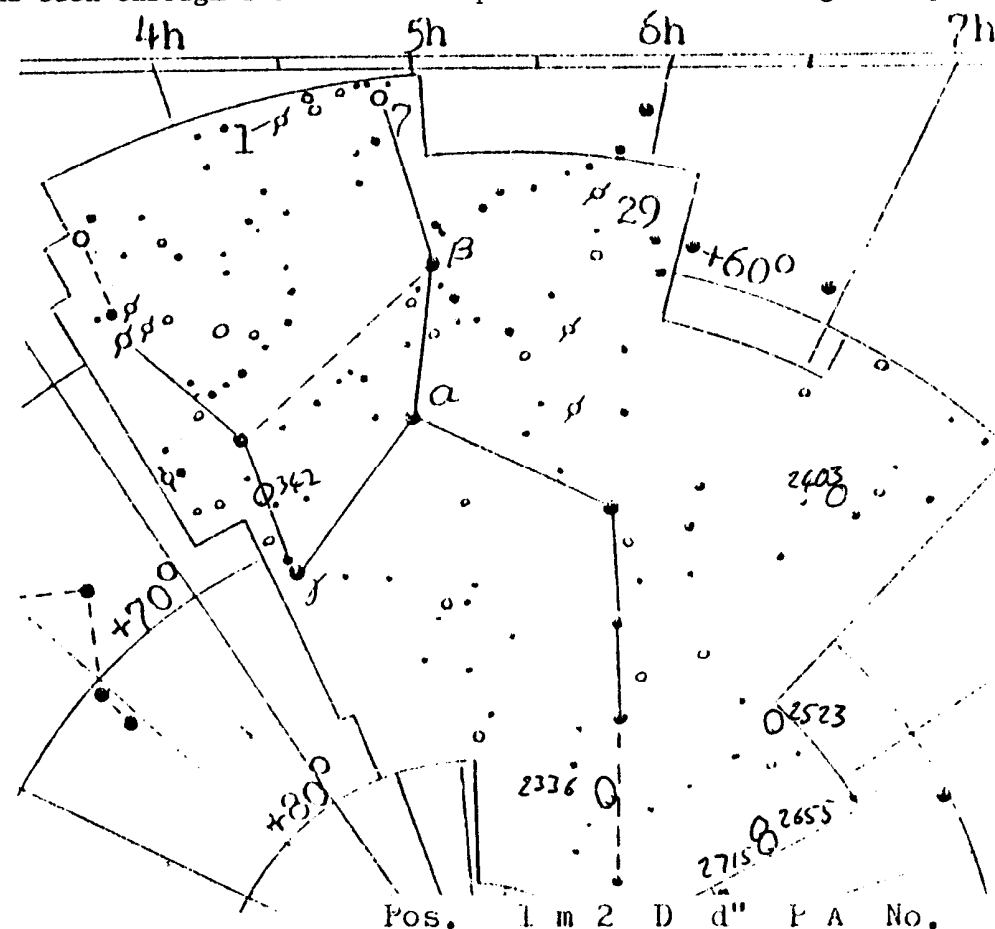
N.G.C. 2403 is a large spiral galaxy seen face on at about 8 million light years from us with not much detail unless you have a large telescope.

N.G.C. 342 is a very large face-on spiral with a low surface brightness that is best seen in astronomical binoculars as a large faint glow about half the size of the moon.

N.G.C. 2336 is another spiral galaxy seen almost face on. N.G.C. 2523 should be easy to find in a small telescope and N.G.C. 2655 is another nearby spiral galaxy with a high surface

## CAMELOPARDALIS

brightness. N.G.C.2715 is an example of a galaxy seen edge on and seen through a small telescope as a featureless cigar shape.



### Double Stars

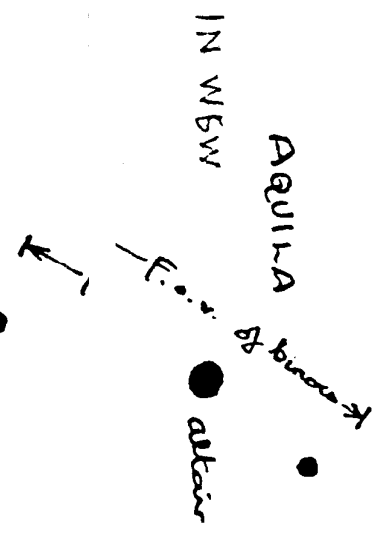
Pos.	1	m 2	D	d"	P A	No.
031365	6.8-7.3	b	0.5	83	OE52	
2559	4.2-9.0	d	2.4	160	E385	
2659	6.4-7.4	b	2.9	67	E389	
2958	6.2-7.7	b	20.4	245	E396	
042853	6.9-5.8	b	10.2	308	1	
051462	6.5-7.4	b	1.1	7	E3115	
4665	7.0-7.9	d	3.5	104	E780	
	7.0-10.	d	11.3	152		
4656	6.3-9.7	d	25.3	130	29	

ASTRONOMY (EARTH SAFETY) COMET 921209  
OBSERVATIONS: SWIFT-UTLE.

Ref also 'Astronomy Now' 9212 p52-53  
 Found the comet right on position, from  
 Beckhill 20CA. 921203TH, 1730a. in 40mm diam.  
 binos X12, Russian (UMO?). M's or Munnis (or late  
 Ray W's).  
 Made drawing, 1750 to 1815.

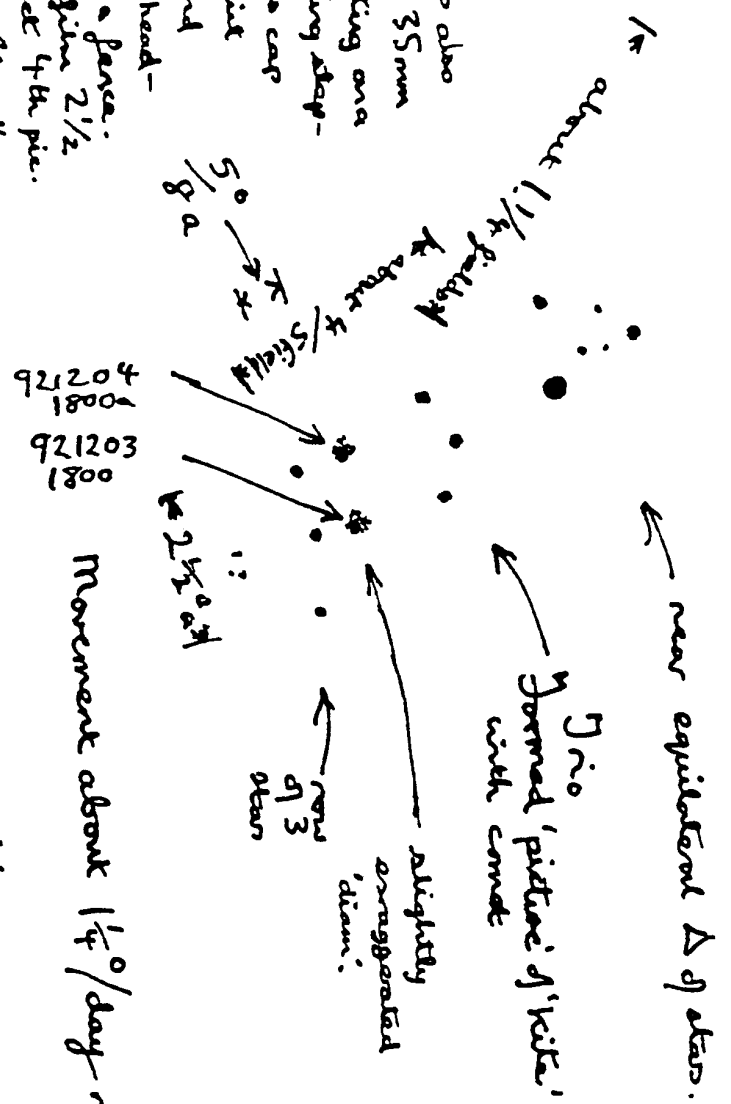
Field diam of binos used = 60° approx eye's,  
 from 5° found on Moon view and the Altair three. main.

ZENITH at 1800a 921203  
 ↑



Altitude very roughly about 38° when found.

Managed to shield self/binos from headlights occasional and street lamps.  
 Dazzling: fair.  
 Very little wind.



Movement about 1/4°/day now.

NB. Photos also attempted, 35mm camera resting on a steel jacking step-ladder, lens cap used to fix unit exposures and glare from head-lights over a fence. Returned film 2 1/2 frames to get 4th pic. 300mm F5.6 90s natl

\* 58mm F2.8 20s -  
 - 30s - ?

Comet's visible part about 1/60 field  $\approx$  1/12° = 5' arc.  
 Hardly any tail, but arch as it was approx. away from ☉.

On Kodak Kodastor 1341 200 ASA ('New, swarmed'),

# ORWELL ASTRONOMICAL SOCIETY IPSWICH

## OPEN WEEKEND

ORWELL PARK OBSERVATORY  
NACTON  
near Ipswich

FRIDAY APRIL 2nd 8.00 to 10.00 pm  
SATURDAY APRIL 3rd 8.00 to 10.00 pm  
SUNDAY APRIL 4th 8.00 to 10.00 pm

The observatory will be open to observe the night sky.  
Binoculars may be useful.  
Weather permitting,

The **MOON, JUPITER** and **MARS**

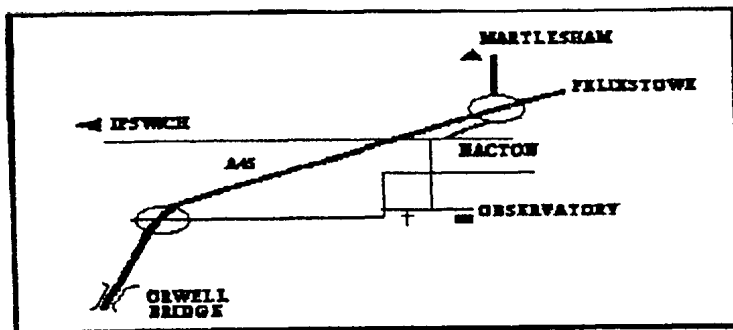
Will be observed using the observatory's 10" refractor and other telescopes

Slide shows and talks if cloudy.

### ENTRANCE DONATION

Child & OAP 35p  
Adult 75p

Honorary Secretary  
Mr. R Gooding  
168 Ashcroft Road  
Ipswich  
IP1 6AE



### PROGRAMME FOR MARCH

DAYS & DATES	DIRECTORS	SECTION & ADDRESSES	PHONE INC. STD CODE
Mondays	from 7.30pm	GENERAL OBSERVATION SECTION	
1-8-15-22-29	Mr R Newman Mr J King	[REDACTED], Felixstowe, IP11 9DY [REDACTED], Felixstowe, IP11 9LQ	[REDACTED]
Tuesdays	form 7.30pm	GENERAL OBSERVATION SECTION	
2-9-16-23-30	Mr R Newman Mr J King	(Address above.) (Address above.)	(Number above.) (Number above.)
Wednesdays	from 8.00pm	NEBULA & FAINT OBJECTS SECTION	
3-10-17-24-31	Mr M Cook Mr D Payne	[REDACTED], Ipswich, IP4 5PZ [REDACTED], Wickham Market, IP13 0SD	[REDACTED]
Thursdays	from 7.30pm	OBSERVATORY VISITS FROM OUTSIDE GROUPS	
4-11-18-25	Mr P Richards Mr G Marriott	[REDACTED], Nacton, Ipswich, IP10 0HS [REDACTED], Ipswich, IP4 4JB	[REDACTED]
Fridays	from 7.30pm (may be postponed to Saturday)	PLANETARY & LUNAR SECTION	
5-12-19-26	Mr P Richards Mr R A Lobbett Mr G Marriott	(Address above.) [REDACTED], Felixstowe, IP11 8UJ (Address above.)	(Number above.) [REDACTED] (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: COMMITTEE MEETING

The next committee meeting is on Saturday 27th March at 1930 in the club room.

As usual this is an open meeting so all members are welcome to attend.

### 1993 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]