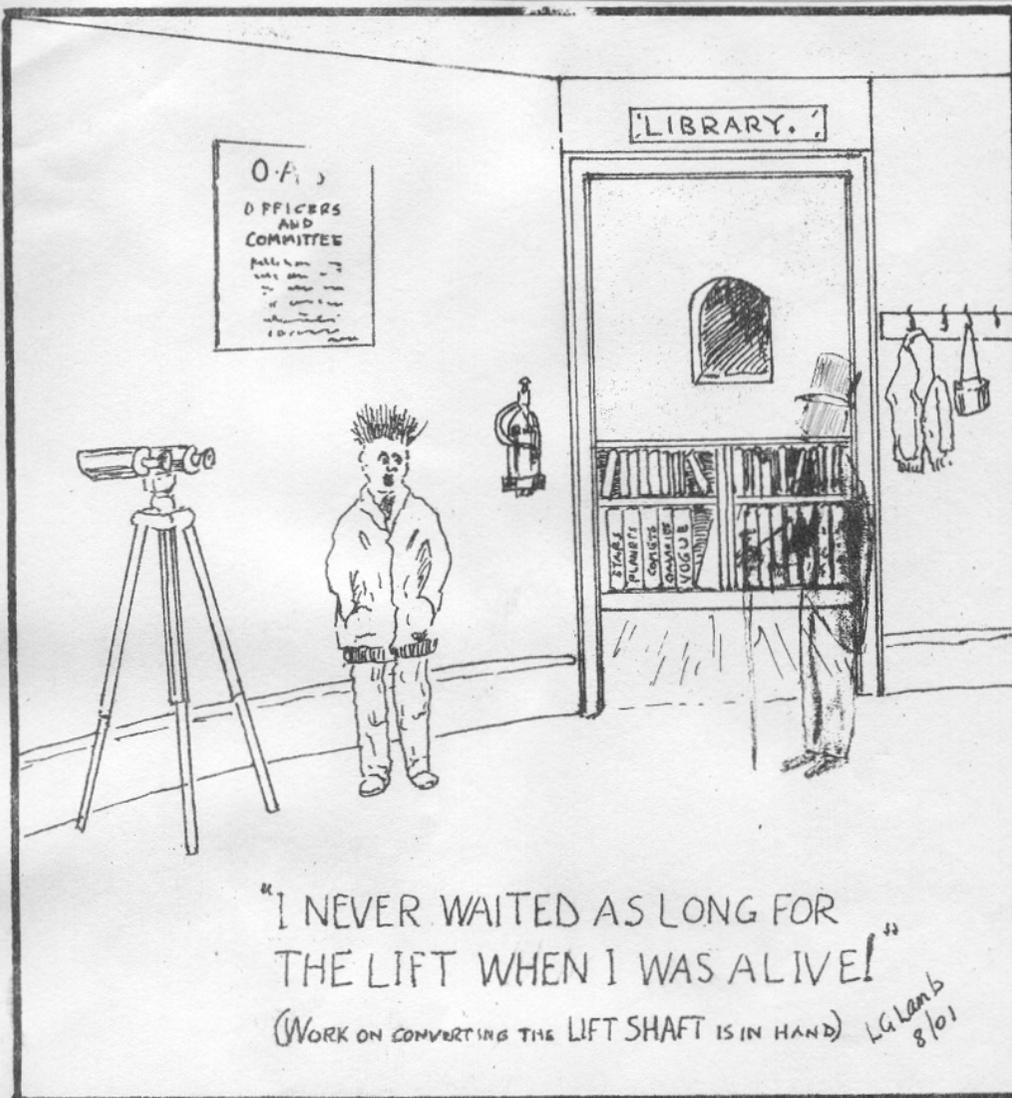


ORWELL ASTRONOMICAL

SOCIETY IPSWICH

Charity No 271313

SEPTEMBER 2001



Society News

1 Next Committee Meeting

The next committee meeting will be held on Saturday 22nd September from 19:30 in the clubroom. This is an open meeting and any one who is interested is invited to attend.

2 Events for 2001

Event	Details	Date
Summer Excursion	National Space Centre Leicester	15 th September
Equinox Star Party	Thetford Organiser; Loughton A.S Contact Mike Cook	14 th to 23 rd September
Astronomy Workshop	Telescopes & Observing	3 rd October
Lecture Meeting Friend's Meeting House, Fonnereau Road	Why the Universe Exists by Joao Magueijo	Friday 5 th October 20:00 start
FAS Convention	Venue: Rutherford Appleton Laboratory Oxfordshire	13 th October
Visit to Cambridge AS and Braintree AS	These were proposed at the AGM	Nothing arranged yet
Astronomy Workshop	Constellation Close up	7 th November
North Essex Astronomical Society	They have recently opened a new observatory. A visit will be arranged	Nothing arranged yet
Open Weekend	Members help will be needed again this year to prepare the displays	24 th and 25 th November
Astronomy Workshop	Variable Stars	5 th December
Lecture Meeting Friend's Meeting House, Fonnereau Road	Space Odysseys 2001 short talks	Friday 30 th November 20:00 start
Christmas Meal		Provisional dates 12 th or 19 th December

Additional events will be added through out the year

Anyone who dares to show their face, will be press-ganged into helping. If you intend to come along to the observatory during July and August please come in old clothes.

Night Sky

All times GMT

Sun

The sun will be rising approximately between 05:20 and 05:50
The sun will be setting approximately between 18:40 and 17:50

Moon

Full Moon	3 rd Quarter	New Moon	1 st Quarter
2 nd	10 th	17 th	24 th

- Mercury** Mercury reaches greatest eastern elongation on the 18th, when it will be at 27°. It remains very low in the western sky, making it very difficult to observe this month.
- Venus** Venus remains a prominent early morning sky object, this month. Magnitude -4.0
- Mars** Mars is still well placed to observe this month if you have a clear southerly horizon. Its low altitude will hamper easy observations from our latitude. It will be culminating at about 18:40 in mid month. Magnitude -1.2
- Jupiter** Jupiter will be rising at about 23:00 in mid month. Magnitude -2.1 There is a day time occultation with the moon on September 12th, from 13:05 to 13:45.
- Saturn** Saturn will be rising at about 21:30 in mid month, and will be well seen after midnight. At the present time the rings are tilted at 26°. Magnitude 0.0
- Uranus** Uranus will be rising at about 17:15 in mid month. Magnitude 5.7
- Neptune** Neptune will be rising at about 20:55 in mid month. Magnitude 7.9

Meteor Showers

Shower	Maximum	Limits	ZHR
Piscids	September 8 th September 21 st October 13 th	September to October	10 5 ?

Meteor source is the BAA Handbook

Summer Excursion



Date Saturday 15th September

The venue is at the National Space Centre Leicester.

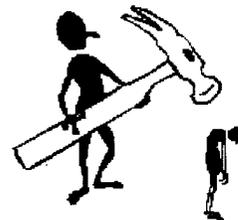
Departing from the coach lay-by in Crown street Ipswich at 08:00
Opposite Marks & Spencers back entrance

Estimated time for leaving the Space Centre is 16:00 If it is decided to stop off some where for a meal on the way home, the estimated time to arrive back in Ipswich will be about 20:00

The coach hire will have to be added to the entrance fee.

3 Its! Still Observatory Maintenance Time Again

Its that time of year again when the observatory is closed for observing, and all hands are requested to man (or woman) the power tools, hammers, and paint brushes.



During the next few weeks the equipment storage floor above the library is be extended and re-floored.

The lift shaft at the bottom of the stair well is to be floored across.

The library floor will be lowered, thus removing the step.

I will be resuming the observatory painting in August, after some of the above work has been completed.

Astronomy Workshops - New Series.

October 3rd 2001 - Telescopes and observing. Members bring your own instruments.

November 7th 2001 - Constellation close-up Orion. Les Lamb and James Appleton.

December 5th 2001 - Variable stars. Mike Nicholls.

January 9th 2002 - Yet more astrophotography. Neil Morely.

February 6th 2002- The Hubble Telescope. Paul Whiting.

March 6th 2002 - Aurora. Pete Richards.

April 3rd 2002 - Time in astronomy. Various members.

May 1st 2002 - More computer packages. Paddy O'Sullivan.

All sessions will commence at 7.45 and end at 9.00pm, and will be held as before in the school science classroom.

Being observant, you will notice a slight change in that all dates except the January workshop are the first Wednesday of the month instead of the second. This was to make it easier to run a practical session on the following Monday. However, due to the extensive work programme, the observatory may not be available for the small telescopes night until later. We will try to keep you informed through the Journal, & e-mail. If in doubt, ring Ted Sampson: [REDACTED].

OPEN WEEKEND 2001

Yes, its time to plan for this year's Open Weekend, which will be held on
SATURDAY 24TH & SUNDAY 25TH NOVEMBER

Following on from the undoubted success of last year's event we will again be offering visitors a small exhibition area and, additionally, we will have at least two trade stands attending viz;

Earth & Sky Books

A chance to buy in those Xmas pressies (for yourself!)

And

Anglia Cameras Ltd

Who will be bringing along a selection of Meade & Helios Telescopes.

Provisional bookings for exhibition space have also been received from the BAA and Clacton & District AS. Other societies have yet to respond to invitations at the time of writing.

Crystal clear from feedback after OA2K is that WE as a society need to demonstrate our astronomical activities, either by individual members or as a whole. No easy nettle to grasp, but a few individuals who specialise in certain aspects of astronomy have been approached and have generously pledged to contribute displays. There is certainly scope for the society stand to have a theme such as 'Getting Started in the Hobby'. However, **WE CANNOT PUT ON THE EVENT MERELY BY RELYING ON THE EFFORTS OF A FEW REGULAR 'WILLING HORSES'**.

YOUR SOCIETY NEEDS YOU!!!

The event is our annual showcase, our annual chance to involve new people in the joys of our science and, not least, our annual chance to bolster society funds. More importantly, perhaps, very few who helped out last year would disagree that it was enormous fun!!

If you can help in any way whatsoever we'd like to hear from you ASAP.

Can you assist by putting on some sort of display?

Would you be willing to give of your spare time on that weekend to help out at the observatory?

Have you any ideas to make the event better?

Contact Ken Goward either on a Wednesday evening or on
 Email

OCCULTATIONS DURING SEPTEMBER

The table lists stellar occultations which occur during the month under favourable circumstances. The data relates to Orwell Park Observatory, but will be similar at nearby locations.

D or R	Date & Time (UT)	Lunar Phase	Sun Alt (°)	Star Alt (°)	Min Dist (rad)	Star	Mag
D R	12 Sep 00:06 00:29	0.36- 0.36-	-34 -33	11 14	0.90S	mu Gem	2.9
D	27 Sep 22:18	0.81+	-37	14	0.31N	27 Cap	6.3
D	28 Sep 21:25	0.88+	-32	20	0.93S	ZC 3214	6.8

James Appleton

Group Visits to the Observatory 2001/02

Date	Group	Society Hosts
20 Sept	Discovering Suffolk	2 Volunteers needed to host visit
27 Sept	Discovering Suffolk	G Coleman/Ken Goward
	(Large Group split over 2 evenings)	
11 Oct	St Mathews Church	D Payne/M Cook
25 Oct	Martlesham Cubs	2 Volunteers needed to host visit
02 Nov	Guides	J Appleton/ Volunteer needed
24 Jan	Samford Scouts	Ken Goward/Garry Coleman

A minimum of 2 hosts are needed for each visit. As you can see from the above list additional hosts are needed on the 20th Sept, 25th Oct, & 02 Nov

Any member who would like to come along and help out at a group visit will be most welcome.

Please contact Garry Coleman for further information.

2001 COMMITTEE

CHAIRMAN
 SECRETARY &
 WORK PARTY ORGANISER
 TREASURER & PUBLICITY
 MECHANICS
 NEWSLETTER CO-ORDINATOR
 BEGINNERS MEETING CO-ORD
 & VISIT CO-ORD
 EQUIPMENT CURATOR
 LIBRARIAN

D Payne
 R Gooding
 K Goward
 M Cook
 E Sims
 T Sampson
 G Coleman
 J Walsh
 J Appleton

CO-OPTED MEMBER
 LECTURE CO-ORDINATOR
 & DARK SKIES

P Richards

JOURNAL ARTICLES TO
 CORRESPONDENCE ADDRESS

E Sims Ipswich Suffolk IP1 4HA
 R Gooding OASI Secretary
 Ipswich Suffolk IP1 6AE
 M. Cook Ipswich IP4 5PZ

MEMBERSHIP

Home Phone Work Phone



Observing Programme For September

Dates	Observing Director	Activities
Monday		Nothing Booked
Tuesday		Nothing Booked
Wednesdays 5th 12th 19th 26th from 8.00pm	M Cook D Payne	Nebular & Faint Objects
Thursday	Nothing Booked	Group Visit
Fridays		Nothing Booked

All members are welcome on any night, but on nights other than Wednesday please check with the appropriate director that the observatory will be open.

Special Events

1. COMMITTEE MEETING September 22nd

The next committee meeting is to be held on Saturday 22nd of September at 7.30pm in the club room at the observatory. All members are welcome to attend.

2. LECTURE MEETING

Nothing organised for this month

3. ASTRONOMY WORKSHOP

Nothing organised for this month but will be resumed again in October.

Society Contact Details

Chairman	D Payne	Home Phone	Work Phone
Secretary	R Gooding		

Contact details for the full committee are inside the back page.

e-mail queries: ipswich@ast.cam.ac.uk
 WWW address: <http://www.ast.cam.ac.uk/~ipswich/>