ORWELL ASTRONOMICAL SOCIETY, IPSWICH.



SOCIETY NEWS

1 The F.A.S. Convention at Herstmonceux

This year will be the last F.A.S. meeting at Herstmonceux. It is on Saturday 8th October. If you have not been to any of these yet this will be your last chance. I will give more details when I have them.

2 The Faint Objects and Nebula Section has been running for 10 years this August.

THE NIGHT SKY

(all times G.M.T.)

SUN Rises approximately between 04.20 to 05.10 Sets approximately between 20.00 to 19.00

MOON









4th

12th

20th

27th

MERCURY Superior conjuction is on the 3th. The planet will be in evening sky but very difficult to see.

VENUS Is visible in the morning sky, it is at greatest elongation on the 22nd (46°) It will be rising about 4 hours before the sun during the month. Mag. -4.2

MARS Mars will be rising at 22.00 at the begining of the month. the planet is in Pisces. Mag. -1.9.

JUPITER Jupiter will be rising at about 23.30 at the begining of the month. It is in Taurus. Mag. -2.3.

SATURN Saturn sets at 23.40 in mid month.Mag.0.3.

URANUS Uranus follows very close to Saturn in the sky. Mag. 5.9

NEPTUNE Rises at 00.40 in mid month. Mag. 7.7

21st Anniversary Open Day

Firstly I would like to thank all members, their families, and friends who were able to help on the Open Day.

The final arrangements were made on the Friday, when several members began the long task of either moving the numerous items of equipment down from the club room or transporting them from home. We were able to use one of the class romms next to the school gym/hall, for over night storage. It was originally intended to assemble all the displays in the school gym on the Friday afternoon, however this was not possible as the gym was in use in the evening for a barbeque (there were 3 whole pigs being cooked on spits outside all day). In the evening the class room to be used for the lectures was cleaned and about 100 chairs were moved into it. Martin Cook and Alan Smith took a number of direction signs and placed them all around the town bypass.

The Open Day was programmed to begin at 10.30, this gave us only a few hours to have the hall fully opperational. The mess that presented it self on the floor of the gym after an evening meal to which atleast 300 people came can only be imagined. The first task to be undertaken was to clean up the floor. Every available vacuum cleaner that could be found was used for this job. A floor plan had been drawn up by David Payne, this greatly speeded up the arranging of the tables for the refreshments, trade stands, displays and games. This task of transforming the gym to our own requirements took over 3 hours. The first to arrive was Alan Smith and family at 7.00.

By 10.00 the hall arrangements were complete. The trade stands had all arrived by this time and had set up their displays. All that was missing was the visitors. Unfortunately our Open Day clashed with several other local events, but we did have a good write up in Friday's Evening Star which every one believed would help in attracting visitors.

Several other astronomical societies attended these included: Clacton, Eastbourne, Haringey.

Other visitors started arriving, but only in small numbers. An early fear was that there would be too few members to run all the areas, luckily on the day this proved to be wrong. The number of visitors was between 150 - 200. Many visitors mentioned that they were impressed with our organisation of the Open Day. At the time of writing I do not know if we made a profit or loss on the day

R. Gooding

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OASI AT THE OXFORD ASTRONOMY WEEKEND

The annual Oxford Astronomy Weekend is a course organised by the Department of External Studies of Oxford University designed to give an account of the latest research in astronomy for the interested layman / amateur astronomer. The course was first run in 1979 and proved so popular that it is been given ever since. With a different area chosen each year the event now attracts a great interest and a sizeable proportion of attendees have become regulars. The reasonably high level of technicality matches the knowledge of amateur astronomers and well-read laypeople who are 'armchair' cosmologists and astrophysicists.

The venue, Rewley House, is attractive and well equipped with a good sized lecture theatre and other facilities. Its location, close to the colleges, makes it an excellent base for exploring the city. Accommodation is provided in pleasant rooms, with on-suite bath etc., in or adjacent to the main building.

The first lecture of the course was given by Dr. John Barrow a co-author of the controversial Cosmological Anthropic Principle. It was an excellent opportunity for those present to quiz directly one of the two cosmologists promulgating this theory so recently in the news and the subject of an 'Horizon' programme amongst other things. Dr Victor Clube cheered everyone with his account of how the Earth might be devastated in the near future by a gigantic meteor storm. Other lecturers gave an up-to-the-minute account of recent work in galaxy formation, solar studies as well as the latest on the origin and history of the Universe as a whole.

I was pleased to discover that I was one of four attendees who had also been on the first 'Oxford Astronomy Weekend' (I had always assumed that it had been run before 1979); however I did lapse several years. The one person who had been on all ten, a truly expert amateur astrophysicist by now no doubt, received a gift from the course organisers. The special dinner to celebrate the occasion of the 10th weekend was thoroughly appreciated by all and the quiz that followed was tremendous fun.

If anyone else is interested in going next year they can either contact the Department of External Studies directly or contact me [see back page].

P.Richards.

OASI XMAS Dinner in Mid-Dec

This has been arranged in advance this year at the Swann in Westerfield. Previous years I had tried to obtain this pub and others like it but they were fully booked. The approximate cost per head will be £8 and a vegetarian meal will be available. The maximum number which can be accomodated is 25, therefore I am reserving places for the first 25 to give me a £1 deposit. If anyone is interested can you please ring me to obtain further details and book a place. Thankyou

R.A.Lobbett, tele. Felix.

OASI Quiz

This Quiz was held on the OASI open day, Saturday 16th July. It was free to enter with a prize given to the winner. The majority of answers could be found from club exhibits/displays and from a knowledge of the club's History. There were 30 questions with one correct answer from 4. The scores ranged from 12 to all 30 correct. The winner was Mr. K.Sheldon of Worcs and he was sent a book token.

The quiz re-appears here so that people who read the OASI magazine and did not have the opportunity to come to our open day could have the fun of having a go. The answers will appear in next months magazine.

	Question	Possible answer	Indicate correct answer
1	Type of main telescope in the club	Reflector Schmidt Refractor Maksutov	
2	Who paid for the construction of the observatory in 1872	John Plummer Colonel Tomline Colonel Blimp Royal Ast. Society	
3	In general a variable star is a star whose	Position varies Brightness varies Distance varies Temperament vari	
4	The Royal Greenwich observatory is currently located in	Edinburgh Hertsmonceux London Nacton	
5	The average height of a meteor is	10 km 100 km 200 km 500 km	
6	Which grinding powder is generally used for the second stage of grinding	20 grade 80 grade 220 grade 400 grade	

7	The Horsehead nebulae is part of the following constellation	Pegasus Orion Andromeda Pleiades
8	From the variable stars shown which star varies the greatest	O.Ceti R.Coronae Borealis R.Scuti W.Cygni
9	In general, the length of the tube of a Schmidt camera is NB. FL = focal length	Half mirror's FL Twice mirror's FL Quarter mirror's FL Equal to mirror's FL
10	When was the OASI formed	1872 1938 1963 1967
11	When was John Plummer's book an "Introduction to Astronomy" published NB There is a date given in the OASI history sheet which is incorrect.	1872 1873 1910 1967
12	Planet with the average closest orbit to Earth's orbit	Mercury Venus Mars Jupiter
13	Diameter of Observatory's Dome	15 ft 20 ft 25 ft 30 ft
14	Approximately how many Earth's will fit into the sun	1,000 10,000 100,000 1 Million
15	Which is the furthest distance	Light year Parsec Astronomical unit Pluto from the sun

16	The small telescope in room adjacent to the main telescope is	Spotting scope Upright scope Transit scope Swivel scope
17	The plough is not a constellation in its own right, it is part of	Ursa Minor Great Digger Orion Ursa Major
18	Diameter of main OASI telescope's objective	8" 10" 12" 20"
19	Size of club's largest binoculars	8 * 40 10 * 50 11 * 80 25 * 125
20	Club's main telescope is mounted on an	Equatorial mounting Altazimuth mounting Pillar mounting Cradle mounting
21	Name the largest planet with rings	Neptune Jupiter Saturn Uranus
22	In this country, the sun and moon both set	In the East On opposite horizons In the West At the same time
23	What would the approximate diameter of the solar system be given that the sun is 3m in diameter	1 km 25 km 50 km 250 km
24	What is the technique used to measure the largest distances within the universe	Parallax Radar Red shift Brightness of supernovae

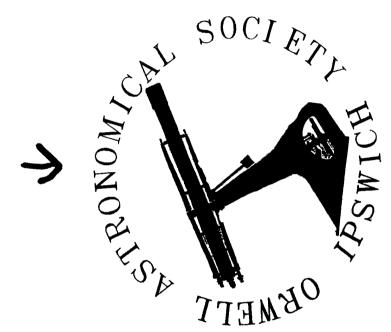
	25	The average diameter of the Earth's moon is	2210 km 3476 km 3652 km 5010 km
	26	On what part of the nearside of the moon is the Sinus Medii	East West Centre North
	27	Who had Orwell Park Mansion re-built in the 18th century	Pretyman family William Burn Francis Vernon Edward Vernon
	28	How many lenses are in the middle of the tube of the OASI large telescope	None One Two Half
ting	29	If an astronomical telescope is looking at a smoking chimney on a still day, which way will the smoke appear to be moving	Upwards Sideways Downwards Backwards
	30	Halley's comet returns approximately every	100 years 86 years 60 years 76 years

SWEATSHIRTS AND TIES ***** SOCIETY SWEATERS,

Various items of clothing with an OASI logo emblazened across the front are to be made available to members in the very near future. Various types of clothing in a range of colours can be obtained from the company contacted (Alpha). The proposed logo is shown below. If you want to suggest an alternative logo or wish to recomend an alternative company please tell us. Full details can be obtained by phoning Roy Gooding (see back page) or contacting me, Peter Richards, at the observatory on a Wednesday. If you are interested please fill out the form below (or a copy of it) and leave it in the observatory log or post it to Roy as soon as possible. A meeting will be arranged to finalise the details and all those who expressed an interest will be contacted prior to ordering. Approximate prices are: sweaters £15, sweatshirts £10, ties £4. These prices will be less if the we place a larger than minimum order.

This form is for information only : you will be contacted again when the actual order is placed.

	YOUR NAME AND PHONE NUMBER/ADRESS			
	QUANTITY			
	\$12E			
2000	COLOUR			
TOTAL TABLE	IICM IIVE			



STAR OBSERVATIONS VARIABLE

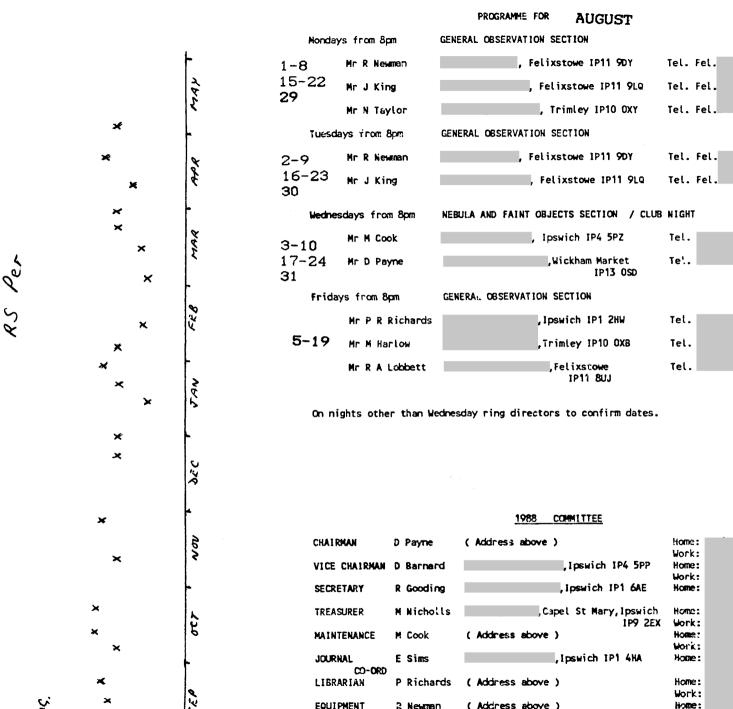
by Mike Nicholls

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EQUIPMENT

SPECIAL

CURATOR

EVENTS

2 Newman

N Taylor

(Address above)

(Address above)

Work:

Home: Work: