FEDERATION OF ASTRONOMICAL SOCIETIES

FAS AUTUMN CONVENTION
Saturday 5th October 1996
CAVENDISH LABORATORY
MADINGLEY ROAD, CAMBRIDGE

9.30 Doors open
10.00 Opening by Pam Spence FAS President
10.15 Dr Francisco Diego, UCL. "Professional & Amateur Astronomy for the public: why & how"
11.15 TEA BREAK
11.45 Dr Gerry Gilmore, UK HST Facility Cambridge "ISO images of the inner Milky Way"
12.45 LUNCH
2.15 Dr Allan Chapman University of Oxford "The Cambridge Observatory & the discovery of Neptune, 1846"
3.15 TEA BREAK
3.45 4th Speaker TBA
4.45 Professor Sir Martin Rees, Cambridge "New light on Dark matter"
6.00 Close

Trips around RGO and MRAO as usual, starting 1.30pm
Buffet Lunch (includes morning coffee and afternoon tea) £5.00 MUST be pre-booked
Tickets: £4.50 in advance, £5.50 on door
Meal and Convention Tickets from Ray Ravenscroft, Glenville, Salters Lane, Lower Moor, Pershore, Worcs, WR10 2PQ

SPONSORED BY ASTRONOMY NOW

EDITORIAL

Have you seen Hale-Bopp? If not why not?

It might seem a silly question but I am sure that most people who say "No" probably live in a location where lights are the problem. This morning Chris and I had a letter from Carl Brennan of Nottingham AS with a photocopy of the front page of the Nottingham Evening Post published last Saturday (Aug 3rd) which had blazoned across the front the headline

"City to go boldly into next century"

and an artists impression of a huge laser display which will involve projecting a monster hologram into the sky! I don’t know if Nottingham has been implementing education and health cuts, but even if they haven’t. I’m sure that the £3 million pounds planned to be used could be better spent.

If YOU feel badly about these things why not save £1 out of your beer money and send four letters - one to your MP, one to your Town or County council, one to the Millennium Commission and one to Nottingham City council. Don’t stress the Astronomy except maybe in terms of the destruction of the environment and our children’s heritage but ask if the money could not be better used.. I certainly shall do so!

We also had a letter from Ray Emery of Leeds AS who asked that the FAS should run list of Society events to avoid the clash between nearby society functions. Ray is worried about the clash with Cleveland and Darlington’s Cosmos and Leeds’s Astronmeet which are a week apart. The problem is that we did try five years ago to do such a thing - I remember that Tony Ireland tried hard but few Societies bothered - I think that the problem is that the idea is brought up at a Committee meeting and the process is underway before anyone tells the FAS, BAA or SPA or bothers to ask. If you think that it would be a good idea to have such a list send me the information - in good time - please!

We are starting to look forward to the FAS meeting at Cambridge - it looks like another top class day out. I’ll see you there.

Ken Sheldon
The Millennium address is Ms Jennifer Page (Chief Executive)
The Millennium Commission,
2 Little Smith Street, LONDON, SW1P 3DH
CARDIFF AS
1995/96 has been a busy and varied year for the Cardiff Astronomical Society. It began
with 50th anniversary celebrations and presentations to 2 of the founder members, Dave Powell
and Bob Owens. It continued with a full lecture programme with something for everyone,
and membership at a record high of almost 140. During the year the Society participated in
Science Week with an exhibition and lectures at the Techniscience Centre, Cardiff. A
data teachers' conference and provided 3 talks to the 41st British Star Trek Convention in
Cardiff. The annual trip was to Powys Observatory. Next year's programme includes a
full range of activities, and includes something for everyday of National Astronomy Week. Meet
tuesdays in the Astronomy & Physics Building in Newport Rd. For more information
contact the Secretary, Dave Powell, telephone 01222-557104 or visit our Internet site at
http://users.aol.com/astros/stoner/astro.html
Theresa Cooper
CAMBRIDGE AA and CAMBRIDGE
YOUNG ASTRONOMERS
Work towards the completion of the second
dome at the CAA's observatory is well under
way. This, together with a Portakabin which has
been donated to the CAA, will provide superb
capacity for observing, talks, and a workshop for
teachers, making and maintenance. There is
to be a "Grand Opening" on 11th October by
Donald MacKay who produced the first radio
telescopes for Sir Martin Ryle.
Events have been organised to mark National
Astronomy Week, the 10th anniversary of the
discovery of Neptune, and the eclipse in
October. The CAA has become one of the
many societies which now have a web page - it can
be found at http://www.mrv-tech.dunn.cam.ac/CAA/CAAA1home.html
Report from Ken Day
For membership details, contact Membership
Secretary, David Herbert, 69 Howard Close,
Cambridge, CB5 8OU
CORNWALL AS CAS meets in a very select
rendezvous in Helston. Members enjoy
themselves on a visit to Gnomhills as well as
observing THE comet. The NAW programme
looks good - I know that Mark spent a lot of
time chasing speakers but Cornwall is a long
way away for most lecturers. If you are in the
area then you must contact Mark Harvey on
01326 577294 for more details.
COTSWOLD AS A group from Cotswold AS
and others went to lecture organised by the
Retirement Group at Painswick Town
Hall. The speaker was Dr Chris Burrows, the
Lead Instrument Scientist at the Space
Telescope Institute in Baltimore. A great lecture
and some entertaining and deep questions - not
from the assembled astronomers who had been
asked to make sure that there was a question
session but by the pensioners! But he was only
on a flying visit, so do not ask where he can be
found! Plans are in place for NAW. Sept 12th
Meet at Mount Tuffley, Dec 14th Midlands
Space Flight Society. Meetings are held at 8pm
at Church House, Grafton Road, Cheltenham
on the second Saturday of the month. Contact Irene
Hilton on 01247 673923
CROYDON AS have new secretary in John
Murrell, 17 Dalmeny Road, CARSHALTON,
Surrey, SM5 4Pw or on 0181 657 4540
AS OF EDINBURGH meet at the Observatory
Calton Hill on the first Friday of the month.
They have a new secretary. He is Graham Rule
Tel: 0131 6670640 or e-mail
Graham.Rule@ed.ac.uk
LA SOCIETE GUERNESEISE
ASTRONOMY SECTION Contact Geoff Falla
the Hon. Secretary on Guernsey 724101 for
more details of the programme.
HAMPSHIRE AG Busy as usual with lots of
good stuff and viewing sessions. New members
have been invited to join a training course so
that they can become safe and competent
observers and use the keys to the observatory.
Good idea. The person to contact for details
of the programme is Roy Dodd on 01705 645875
AS OF HARENGY Exhibition at the Palace during
weekend 21st - 22nd Sept for NAW. The
September meeting (18th) is Jonathan Shanklin
on Antarctica and on 16th Oct there is an
AGM and Members meeting. November sees
The Sun by Mike Culley and Christmas the
Christmas Meet and quiz with (or against)
Loughton. Contact Jerry Workman on 0171
607 7751 for more details of the programme.
HEDBEN BRIDGE L & SS(Astro Sec) meet
at the Information Centre on the last
Wednesday of the month.
Phone Mr P.G.Jackson on 01274 562478 for
further information about the Society.
HUFFERSFIELD & DISTRICT AS
The society meets at 4A Railway Street on Friday
nights 7.30pm - 9.30pm. It is worth noting that
the Yorkshire Rep to the FAS (Paul Harper)
is a member i.e. the Treasurer which is why we
hear of HANS success or otherwise with grants.
For further information on the programme talk to
Philip Heppenstall 01484 661497
IRISH AS Stephen Ryan at PO Box 2547,
Dublin 11 and Stephen's telephone number from
the UK is 00 353 86 1382 for information on
meetings and publications.
LEEDS AS Meet on the 2nd Wednesday of
the month at Centenary House, North St starting
at 7.00pm. AMORBASE figures large on their
programme but there are other exciting events.
Contact Ray Emsley on 0113 232 7530
LEICESTER AS We have seen quite a
few new members recently - long may it continue.
There have been a number of interesting, but
poorly attended, trips visiting Great Nether
Green's Mill (Nottingham) and Woolsthorpe
Manor. A National Space Centre is proposed in
Leicester. A 9 metre telescope is planned for
NAW and a public observation session for the
eclipse in October, clouds permitting.
Autumn programme includes: Oct 8th Dwarf
Novae - Gary Poyner, Oct 22nd One Foot in the
Algarve - Rob Hayes. 12th November Building
an Observatory - David Swaby, Nov 29th Video
Astronomy - Chris Lythall. Further details from
Ann Bonnell, Tel: 0116 2394481
LEICESTER & DISTRICT AS A declination
drive and piggy back camera mount have been
added to the 10" telescope. Star parties have
been held (and hindered by cloud) and Hale-
Bopp has been seen. Eric Hutton on 01462
620362 for further details of meetings
LIVERPOOL AS Contact Ken Clark at 31
Sandy Mount Drive, Wallasey, L45 0LJ with
SAE or on 0151 638 3270 for more details of
the LAG programme. Alternatively try the Website:
http://www.liv.ac.uk/~gastro/home.html
Events during NAW on
http://www.liv.ac.uk/~gastro/NAW.html
LOWESTOFT AND YARMOUTH
REGIONAL ASTRONOMERS A new
committee but I don't have any details other
than that of the Treasurer Brian Philpott - you
will find Brian at Glebe House, 25 Gardens
Lane, Worthingham, Beecles, Suffolk NR3 7SB.
MANCHESTER AS For details of our
programme later this year refer to our Home
Page at http://www.m-net.com/ph/maa
MANSFIELD AND SUTTON AT AS At the
beginning of August '96 Mansfield and Sutton
Astronomical Society supported the local 'Ashefield Festival' at Sherwood Observatory.
The Observatory was open on Sunday 4th
August, then Monday 5th - Friday 9th August.
MSAAS has a full programme for NAW, when
the Chairman, Malcolm Roebeck, will be
promoting our campaign for Dark Skies each
evening throughout this event.
NAW proceedings start at Sherwood
Observatory on Saturday 21st September with
a brief talk by G. Shepherd on Lunar Eclipses.
22nd: Mercury Venus and Mars by N. Crofts.
23rd: Comets by D.F. Collins. 24th is the
MSAAS lecture meeting - admission by ticket
only (available from Sherwood Obs.), which is a
lecture by Dr P. Blake of Nottm University
about "Energy Gamma-Ray Astronomy".
25th: Stars and Galaxies, C. Collins. 26th:
Saturn - D.F. Collins. Another MSAAS lecture
meeting - admission by ticket only (available
from Sherwood Observatory) for a talk by Paul
Money on Neptune and the Outer Solar System.
This programme of topical lectures will also
include observing sessions, using the Society's
24-inch reflecting telescope.
MSAAS are hosting an evening class with the
Adult Education Dept. of Nottm University. It
is a nine-week course commencing 7.30 p.m.
on Mondays starting 30th September. Observing
session are held at Sherwood Observatory each
Tuesday evening, between lecture and
committee meetings. Speakers 29th October:
Dr P. Sherry of Nottingham Univ, "Magnetism
Fields in the Universe". 26th November:
Michael Gainsford of Hinckley and District
AS, "The Leavenson of Parsonstoun".
Contact Graham Shepherd on 01623 532276
for more details. Report by Graham Shepherd
MID KENT AS This October will be the
20th Anniversary of the Society. Plans are being
made for Hale-Bopp and NAW. MKAS meets on
the second and last Fridays of each month in
Hut 92, Horsted College, Chatham at 7.45 p.m.
Contact Amanda Peters, 133 Carnation Road,
Strood, Rochester, Kent ME22 7F or ring her on
01634 728475 Amanda Peters
NORTH EAST LONDON AS A full Autumn
starting on Sep 16th Roger O'Brien 'Weather
on other Planets' Oct 20th Bob Forrest 'CCD
Cameras' November 17th Dr Bernard Carroll
'Gravitational Lensing' Dec 15th Jerry Workman 'Latest from HST' Meetings held on
the third Sunday of each month at Wanstead
House. Programme Secretary Andrew Lawrence
on 01376 510329

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MY PRESENTATION.

I started with basic information about the National organisations. BAA, SPA, Webb Society, The Astronomer and the FAS. I showed slides and talked about general society activities, meetings, observing sessions, societies working with children, public meetings, members of the public visiting observatories, society conventions and society outings. Slides and other material were provided by Liverpool, Salford, Newbury, Worcester, SEKAS and Sawtry.

WYAS sent a sequence of building their observatory (which made the delegate from Malta ask for plans for an observatory) Worthing sent a slide showing the observatory taken in the dark looking like a ‘transparent’ dome’. Salford showed the telescope through the slot and Aylesbury showed the observatory on the hill-top. Swansea sent the observatory on the Gower. New and impressive was Swansea Observatory on the sea-front while an old and interesting one was the Norman Lockyer Observatory. Both are open to the public.

Many thanks to the FAS for £300 towards my expenses and to Salford and Norwich for gifts of £10 each.

Chris Sheldon.

BOOK REVIEW

SUN, EARTH AND SKY

by Kenneth R. Lang Published February 1995 by Springer-Verlag ISBN 3-540-58778-0

Good Day, Sunshine - the title of the first chapter positively invites the reader to find out what follows. We are brought back to the importance of the Sun in our perception of the enjoyment of life by the inclusion of poems and reproductions of paintings, some classical and some modern, while emphasising that without the Sun the world would be a very different sort of place. The book is beautifully illustrated with coloured images from spacecraft at many wavelengths as well as diagrams and graphs and photographs in black and white. The early workers are not forgotten either - which is considered important. The text is easy to read although the subject matter is dealt with in depth. The energy source is explained, and the production of neutrinos (I enjoyed the poem). Sound waves and the oscillation of the sun tell us more about its internal structure. The sun as a magnetic star is discussed and this chapter is of great interest to a Solar observer (me!) trying to fathom what sun spots are and why they behave as they do. Not only are they at the ‘surface’ of the sun, but they exert an influence far away from their origin. The book is up to date, for the results from Ulisses polar pass measuring solar wind speeds are explained. Radiation from flares, prominences and coronal mass ejections and the effect of the solar wind on our Earth give food for thought. The last chapters deal with all the aspects of Sun/Earth which we worry about - records of Sun’s variability in the past and will the greenhouse effect be important? How much longer can the Earth sustain life?

A thoroughly researched subject dealt with in a novel way, I think that it is a beautiful book for anyone interested in how the sun ticks.

Christine Sheldon.

It looks good on the table with an 8-inch diameter image in colour of the Sun from the Yohkoh Mission.

Ken

AN UNUSUAL EVENT

A Compliment from

Marcus Armitage of Huddersfield A & P.S.

The Federation of Astronomical Societies (FAS) is really the parent organisation most of the astronomical societies in the country. OK, the BAA has been around a lot longer, and I’d guess more societies are affiliated to the BAA than to the FAS. But essentially the ‘British Astronomical Association’ caters for the interest of the individual.

The FAS on the other hand, is the umbrella organisation which caters specifically for the needs and interests of societies like ours. All HAPS members should receive the quarterly edition of the FAS Newsletter, either along with Omega or collecting it at Friday meetings. Virtually the Newsletter will find snippets of information about the activities of Astronomical Societies around the country. Yes the FAS is our guiding light.

SOCIETY NEWS ROUNDUP

I am quite happy to receive Society news as an E-mail message - it saves me re-typing and the associated typos. Upto 3 column inches, about 100-150 words is fine! No more please! MSAS report is 269 words (edited) and occupies a lot of a column inches. For those Societies with Home Pages, I promised to give a listing this issue - well there an awful lot of them and every time I look I find another one or two. Since Demon have just given users a Home Page I have a feeling that the next three months might see another boost!

AYLESBURY AS For information on AAS’s activities contact Peter Biswell on 01296 85125 for programme.

BEDFORD AS BAA’s 10th anniversary, so congratulations. Contact Peter Cox on 01234 354552 for Society info and an up-to-date programme of events or look on internet for http://www.powernet.co.uk/bas/baseevent.html

BOSTON ASTRONOMERS For more details of the Society, or to book Paul for a talk please contact 01507 524037 or write to Lorraine Kendall/Paul Money, 18 College Park, Horncastle, Lincs, LN9 6RE. Lorraine

BRADFORD AS Regular meetings on Monday 7.30pm. The new sessions program has Oct 17th Melvin Taylor Observing Variability stars, Oct. 21st Prof. Lionel Wilson. What is new in the Jupiter System. Contact David on 01274 638083, John Barsides on 01274 61770 or Hilary on 01274 672570.

BRIDGEND AS Meetings held on alternate Friday in Bridgend Bowl Centre. The regular lecture meetings start in September and the Nov 1st one is by Chris Sheldon on The Electromagnetic Spectrum. Lots of other to come. Contact Clive Down on 01657 740754 for details of meetings which take place on alterntate Fridays.

BRISTOL AS meet at the Physics Dept Lecture Room G44, Tyndall Ave. 7.15pm Th Autumn programme covers a wide spread of topics. Oct 25th Dr Rodney Hillier- Black holes at the centre of galaxies, Nov 11th Ian Grif Wide Field Astrophotography, Nov 22nd Jack-Wickens Norman Lockyer Observatory, Dec 6th Lee McDonald Low Tech Astronomy. Cll Nights Oct 18, Nov 1, 15, 29 Dec 13 Westbury park Methodist Church Hall, Photo Ron Sparrow 0117 9620820
The ASTRONOMY SECTION of the NORTHAMPTONSHIRE NATURAL HISTORY SOCIETY is the premier astronomical society in the county, and was the first society to be affiliated to the FAS. The NNHS was founded in 1876, and has fourteen sections dedicated to all aspects of natural history and associated subjects. The Astronomy Section has a lively mix of experienced observers and armchair enthusiasts, and expertise is at hand in a variety of areas, including deep sky and Mars (Nick Hewitt, BAA Deep Sky Section Director), instruments and the history of astronomy (Bob Marriott, BAA Curator of Instruments), photography and CCD imaging (Bob Neville, BAA Instruments and Imaging Section Director), comets and meteors (Steve Evans), variable stars and CCDs (Karen Holland), planetary observation (Dusko Novakovic), education (Frank Gear) and publicity (Peter Hudson, BAA Sales Coordinator). Meetings are held on the second and last Monday of each month at the Humfrey Rooms, Castellian Terrace, in the centre of Northampton. These premises are owned by the NNHS, which in recent years has hosted a variety of astronomy meetings, including those of the BAA Deep Sky, Instruments and Imaging, Meteor and Variable Star Sections, as well as The Astronomer organised. For further details contact Bob Marriott (Secretary), 01604 765190.

NORTHIANTS AMATEUR ASTRONOMERS Mervyn Lloyd is the contact and Events Sec. on 01536 521581.

NOTTINGHAM AS As mentioned in the Editorial NAS are very worried about the Millennium project put forward by the City's Conservation Adviser(1). However the meetings at Djemou City Tech College continue. Forthcoming dates are: Oct 3rd 49th AGM, Nov 7th Comets, Dr S.V.N. Clube Dec 5th US Astronomy Independence to present Part 2. Contact Carl Brennan on: 0115 938 4521 for details of programme.

ORWELL AS Historic observatories have the disadvantage that something always needs painting or repairing, but the members have also been actively observing Hale-Bopp with someone on duty every Tuesday to Friday. They have also had a sort into radio astronomy. Open every evening for NAW. Contact Peter Richards on 01473 644828 for details of society activities. The Web page is: http://www.ast.cam.ac.uk/800/jpswich/

PAPWORTH ASTRONOMY CLUB Contact Keith Tritton on 01223 374867 (daytime) or 01767 677219 (evenings) or Doreen Perrins 01480 830341 ext 2237 (daytime) for more details.

P.O.N.L.A.F. The only really central London FAS Society operates during term time on the last Friday of the month at 1830 until 2130 in Room 5 on the 6th floor of the Tower Block of University of North London, Holloway Road. The person to contact is Elizabeth Turner on 0171 609 8884. They produce the most useful monthly newsletter which covers all the London Socs. Their next two speakers are Sept 27 Mike Maudner Chasing Eclipses and in October John Barton with Instrumentation & the Dark Matter Problem.

SOUTH EAST KENT AS A very active society and good with the public. I hope that the public observing session on August 13th at Lynn was a success - it is not every society who can hold such a meeting at the place where H.G.Wells wrote "The First Men in the Moon" on the 50th anniversary of his death. Their array of members' telescopes provide a good chance for many people to get a view through them. Always things up their sleeves so worth paying them a visit if you are on your way to or from the Continent. For more information you must contact Andrew McCarthy at 25 St Pauls Way, Folkstone, Kent CT20 3NT or on 01303 241933.

STRATFORD upon AVON AS held a successful Convention in June and have continued to enjoy a programme of interesting speakers (their Treasurer doubles as Events Organiser and tempers all sorts of speakers from great distances - they must all be Shakespeare fans) Contact John Harrison on 01789 286775.

SALFORD AS During NAW, from 21st-27th Sept inclusive, the observatory will be open to the public each evening from 7.30pm. Observing when the clear priority targets will be Neptune and Hale-Bopp. Main event - Saturday Sept 28th when Dr Allan Chapman will lecture on "The Discovery of Neptune" in the "Ben Kingsley" theatre, Pendleton College, Driffield Road, Salford at approx. 7.45pm with the Mayor and Mayoress of Salford attending from 7.30pm. Display of telescopes - Refreshments. Admission 50p payable on entry. Doors open 7.00pm. Afterwards at the observatory.

Members have been monitoring Comet Hale-Bopp, visually, photographically and CCD, Approx mag 7, 15 arcmin in diameter, DC1. At this stage, from being a faint apparition on the limit of binocular vision, the comet's position has progressively improved. All societies observatories are sent to the national clearing houses.

Dr Chapman's Christmas Lecture to the society, "Sun-Spots and Sun-Men: Solar Studies from Galileo to Lockyer" takes place at Hope High School, Eccles Old Road, Salford on Wednesday December 18th 7.00pm free of charge. Other society members are welcome to all events. Kith Redford 0161 7943179

SAWTRY & DISTRICT AS are starting a young amusement group running at the same time as the main meeting on the last Friday of each month. The first issue of the new Society Newsletter hit the streets in August. For meetings details contact Brooke Norton on 01487 831683

SHROPSHIRE AS have planned an Autumn/Winter programme with a practical bias. Hale-Bopp and the Solar eclipse of October figure largely in this. If you are interested contact the Chairman David Woodward on 01743 872991 or look at http://wwwastro.cf.ac.uk/sas/sasmain.html

WEST LONDON AS Contact Maggie Daly on 01895 637400 for details of the Autumn programme.

WEST YORKS AS Let's hope that the repairs to the observatory were completed before the rain arrived! A visit by teachers from Carlton High School was a good idea. As usual Contact Pete Lunn on 01924 360064 for programme of meetings and to ask about the Ross Observatory or look on the Internet at http://staff.ncl.ac.uk/jerry/wyas

VECTIS AS Vaxes members enjoyed a trip to HAG followed by a visit to Douglas Arnold. Perhaps other societies should visit one another. We always enjoy such visits. On July 14th Crayford Manor visited Vexes - a bit later than intended through missing the ferry. They went to see Kevin's observatory in Ryde, John's at Winford, Ken's at Wroxhall and George and Joanne Shave at Lake. They enjoyed the day thoroughly including the food and drink. All is in hand for NAW.

For more news of events contact John Smith on 01993 865451 or write to him at 27 Forest Road, Winford, Sandown, I.O.W. PO36 0JY

WOLVERHAMPTON AS Although retiring in Oct. Malcolm Asley is still the contact for the Autumn programme. Try 01902 783212

WORCESTER AS recently went on a trip to the Powys County Observatory near Knighton. It well worth a visit with a telescope in a closed dome, a planetarium, a camera obscura, a weather station and a seismology station. It was set up as an educational establishment. Well worth a visit. The society continues to have a good programme of speakers. Members will be having public sessions for observing, lectures, exhibition in Kempsey during NAW.

Phone Ian Gray on 01386 47532

WORTHING AS Contact Nick Quinn on or at nick@noquinn.demon.co.uk for full details of the programme.

PLEASE NOTE THAT I CAN ONLY CARRY MATERIAL RELATING TO FAS SOCIETIES.

DATES FOR YOUR DIARY

ASH have a NAW weekend at Alexandra Palace on September 21/22nd Contact Jerry Workman on 0171 607 7751 for details.

NAAS There will be a convention on 28th September for NAW called DISCOVER YOUR UNIVERSE. Contact Mervyn Lloyd on 01536 521581

FAS AUTUMN CONVENTION 5th October, Cavendish Labs, Cambridge. 12th October BRISTOL AS Biennial CONVENTION Ring 0117 962 0820

YORKSHIRE ASTROMIND will be at Brough in October. Ring Debbie Murphy on 01482 871545 for more details.

LEEDS ASTROMETE '96 16th November Try 0113 282 7350 for more.

COSMOS NORTHEAST 20th November 1997 Ring 01332 702605 (Neil) for more details.

April 19th FAS AGM at NOTTINGHAM AS ANNIVERSARY MEETING June 7th WORCESTER AS SUMMER CONVENTION.

THE FAS ASTROCALENDAR WILL BE AVAILABLE AT CAMBRIDGE ON 5th October

Published by the FAS Whitehaven, Maytree Road, Lower Moor, PERSHORE. Typeset by Townday Typesetters, Northwick, Worcester. Printed by John Knight & Sons, Printers, 33 Littleworth Street, Evesham