



URANOGRAPHOS



*Newsletter for the
Shoreline Amateur Astronomical Association*

President- Robert Wade, D.Phil.

Vice President- Peter Burkey

Secretary- Michael Coté

Treasurer- Mark Logsdon

Robert Wade, Editor

June 1990

June Meeting

The June meeting of the Shoreline Amateur Astronomical Association will be held on June 21st, beginning promptly at 7:00 PM (*note time change!*) in the West Ottawa Middle School Planetarium in Holland, Michigan. The agenda will be as follows:

- 7:00-7:10 The June Night Sky Tour.
- 7:10-7:30 The Observers' Log - A tour of the constellations Hercules and Boötes.
- 7:30-8:30 *Gadget Night*: bring your telescope, partially ground mirror, photos, etc. We need to get pictures to show the Mall officials a portfolio for a possible Mall Show.

May Executive Meeting

The meeting was called to order by Bob Wade on May 31st at 6:30 PM. Mark Logsdon and Peter burkey were also present.

Old Business: Considerable discussion arose about filing for our IRS tax-exempt status. Mark had conversations with the Astronomical League secretary who strongly urged use of a tax lawyer to fill out the forms "properly". Since an organization is now able to earn up to \$5000 yearly and *not* file a

3882 62nd Street
Holland, Michigan 49423



tax return, the current officers have come to the conclusion it is probably not worth the effort and expense and do not now support it. Discussion on this issue will be one of the focal points during our June meeting. Bring your opinion!

As our club secretary has been extremely busy with other responsibilities, our club treasurer (Mark) has temporarily assumed those duties. We also discussed the feasibility of combining the secretary and treasurer positions into one new office. A club our size does not really need four officers. More discussion to follow.

New Business: The meeting scheduled was approved for the rest of the year. Details to be published later. We recommend the August meeting of our club be canceled due to the scarcity of club officers that month. Many members will be on vacation, etc. The July star parties will be held at the Vivekananda Monastery. Details to follow. Other miscellaneous items were also discussed. The meeting was adjourned at 8:00 PM.

The Astronomy/Space BBS Directory

The following Astronomy/Space Bulletin Boards were on-line and running as of March 1st, 1990. This list is offered as a service to the BBS community and to Astronomy/Space enthusiasts. This directory may be copied and distributed freely so long as it is unaltered in any way. Updates to this list will be issued every quarter. To find out how you can submit your favorite Astronomy or Space BBS to this list, or make changes to an already existing listing, please refer to the text at the bottom of this directory. [This file was obtained from the Astronomical League BBS and has only been edited slightly for format. No other claim for relevance or accuracy is made!-- Ed.]

BBS NAME: AEROSPACE TECHNOLOGY BBS
BBS TELEPHONE NUMBER: 707-437-5389
CITY, STATE: Fairfield, California
BAUD RATES SUPPORTED: HST 14.4K
SYSOP NAME: Guy Hokanson
HOURS OF OPERATION: 24
NET/NODE: 1:161/507
MEGS ON-LINE: 32 (general user) 122 (IEN)
BBS SOFTWARE: Opus 1.03b
FEATURES: Aviation, Aerospace, Space & Astronomy. This BBS is also the headquarters for the International Emergency Network. Files are Frequable! Information provided by Guy Hokanson, Sysop

BBS NAME: ASTRO BBS
BBS TELEPHONE NUMBER: 703 524 1837
CITY, STATE: Arlington, VA
BAUD RATES SUPPORTED: 2400/1200/300
SYSOP NAME: Kurt Riegel
HOURS OF OPERATION: 24 hours
NET/NODE: None
MEGS ON-LINE: 90 megs
BBS SOFTWARE: RBBS
FEATURES: Primary topic is ASTRONOMY and SCIENCE, with additional topics on ENVIRONMENTAL PROTECTION, CHILDCARE, and GEOCLOCK. ASTRO is unrestricted, free, and all users are granted full access from their first sign on. Information provided by Kurt Riegel, Sysop

BBS NAME: ASTRONOMY - Sponsored by the Orange County Astronomers
BBS TELEPHONE #: 714-738-4331
CITY, STATE: Fullerton, Ca.
BAUD RATES SUPPORTED: 300/1200/2400
SYSOP NAME: Walter Clark
HOURS OF OPERATION: 24 Hours
NET/NODE: None
MEGS ON-LINE: 80
BBS SOFTWARE: Wildcat
FEATURES: Every file has a one page text file which explains how to use it & why it is better than any other like it. Mostly science oriented, engineering, HAM, AI & lots of Astronomy. Has the EVA facility for leaving a one line opinion of what you think of a file. The summary can be D/Led to see what others have said. Most important of all, except for Astronomy, only the best shareware programs are stored. Information provided by Walter Clark, Sysop

BBS NAME: COMPULINK
BBS TELEPHONE NUMBER: +61-9-451-7288
CITY, STATE: Perth, Western Australia
BAUD RATES SUPPORTED: Up to 2400
SYSOP NAME: Andrew Waite
HOURS OF OPERATION: 24 Hours
NET/NODE: 3:690/628
MEGS ON-LINE: 10Meg at present.
BBS SOFTWARE: OPUS 1.03c
FEATURES: Online Shopping Mall. Space conferences. NASA Launch Info. Also a large Science Fiction section. Information provided by Andrew Waite, Sysop

BBS NAME: DFW NATIONAL SPACE SOCIETY
BBS TELEPHONE NUMBER: 817-261-6641
CITY, STATE: Arlington, Texas
BAUD RATES SUPPORTED: 300, 1200, 2400
SYSOP NAME: Laura Nicol (CoSysop Ed Nicol)
HOURS OF OPERATION: 5am to 4am (down 4-5 for mai hour)
NET/NODE: 1:130/34
MEGS ON-LINE: 40
BBS SOFTWARE: Opus
FEATURES: This board supports the MidCities National Space Society, which meets at the Western Sizzlin 2 blocks 1 of 6Flags mall on Hwy 80 at 1pm on the second Saturday of every month. Our metro number means the Dallas Frontier Society may use it, toll free, as well as all of Fort Worth. We get most of our files from the NSS_BBS (Bev Freed), and keep the latest space hotline file on our bulletin list. Our most popular files are pix, but we have 21 areas including politics, NASA news, Shuttle, Space Station, science, technology history, games, and utilities. We carry the following echoes: Space, Astronomy, Newopus, and a local one, NSSchat. Information provided by Laura Nicol, Sysop

BBS NAME: HIGHFLYER!
BBS TELEPHONE NUMBER: 61-9-447-4509
CITY, STATE: Perth, Western Australia

BAUD RATES SUPPORTED: V.21 V.22 V.22bis V.23
Bell 103, 202

SYSOP NAME: Stuart Udall

HOURS OF OPERATION: Currently only 10pm to 7:30am
WAST

NET/NODE: 3:690/611.0

MEGS ON-LINE: 92Mb

BBS SOFTWARE: FrontDoor 1.99b, RemoteAccess 1.0

FEATURES: Specializing in graphics, programming, and "out
of this world" type areas - ParaNet is coming soon, and
various space-related areas are supported. The sysop is also
a really nice guy. Information provided by, Stuart Udall,
Sysop

BBS NAME: HOMER

BBS TELEPHONE NUMBER: 714 544-0934

CITY, STATE: Tustin CA

BAUD RATES SUPPORTED: 2400/1200 (no downloads at
300)

SYSOP NAME: Rick Ellis

HOURS OF OPERATION: 24

NET/NODE: 1:103/302

MEGS ON LINE: varies.

BBS SOFTWARE: Opus/Binkley/Ufgate

FEATURES: Space and Science oriented file areas. Space
picture files. Fidonet/uucp gateway for nets 102 & 103.
Users may enter uucp mail without charge. Home of the
Home Automation echo. Support for the Universal Electron-
ics Inc. family of remote controls and other products.
Information provided by Rick Ellis, Sysop

BBS NAME: M-42

BBS TELEPHONE NUMBER: (314) 997-5157

CITY, STATE: St. Louis, MO.

BAUD RATES SUPPORTED: 300 - 19200 (Hayes V-Series)

SYSOP NAME: Brian Kessel

HOURS OF OPERATION: 24

NET/NODE: None

MEGS ON-LINE: 70

BBS SOFTWARE: WWIV

FEATURES: M-42 supports all computer types. You're only
requirement to becoming a Member is your interest in
Astronomy. We feature a variety of message topics, up to
date bulletins, and carefully cataloged file areas. Full access
is usually provided well within 12 hours of your first call.
Handles are allowed, but not encouraged, we would much
rather you simply use your first name. Information provided
by Brian Kessel, Sysop

BBS NAME: MONITOR WORLD BBS

BBS TELEPHONE NUMBER: 61-2-6753027

CITY, STATE: Sydney, Australia

BAUD RATES SUPPORTED: 300,1200,2400,9600 V32

SYSOP NAME: Rick Jones

HOURS OF OPERATION: 24 Hours except Zone 3 Mail
Hour

NET/NODE: 3:713/616

MEGS ON-LINE: 85, increasing to 300MB In February
1990

BBS SOFTWARE: Opus/Binkley

FEATURES: Main specialty is Radio Communication
although we are starting to move heavily into the Space/A-
stronomy areas as well. Friendly board, Brand new (Activate
in Nov 89). Information provided by Rick Jones, Sysop

BBS NAME: NSS BBS

BBS TELEPHONE NUMBER: 1-412-366-5208

CITY, STATE: Pittsburgh, PA

BAUD RATES SUPPORTED: 300/1200/2400

SYSOP NAME: Bev Freed

HOURS OF OPERATION: 24 hrs 7 days/week

NET/NODE: 1:129/104

MEGS ON-LINE: 80

BBS SOFTWARE: Opus

FEATURES: Sponsored by the National Space Society as
service to the public; daily updates; all file and message area
dedicated to space, its related sciences and entertainment; som
areas restricted to NSS members; file requests and crash mai
accepted; Opus Xpress available. Information provided b
Bev Freed, Sysop, Space Echo Moderator

BBS NAME: RANCHO PALOS VERDES ASTRONOMY

BBS TELEPHONE #: 213-541-7299

CITY, STATE: Rancho Palos Verdes, California

BAUD RATES SUPPORTED: 300/1200/2400

SYSOP NAME: David Ransom

HOURS OF OPERATION: 24 Hours

NET/NODE: None

MEGS ON LINE: 90

BBS SOFTWARE: OPUS v1.03b

FEATURES: Extensive collection of Astronomy/Spac
programs. Astronomy message section. Home of AstroClock
written by D. Ransom Large collection of Astronomy graph
ics. Information provided by John Pickens, Sysop, StarBas
III - BBS

BBS NAME: SPACEMET CENTRAL/PHYSICS FORUM

BBS TELEPHONE NUMBER: 413-545-1959; 413-545-445:

CITY, STATE: Amherst, MA

BAUD RATES SUPPORTED: 3/12/2400

SYSOP NAME: Helen Sternheim

HOURS OF OPERATION: 24 hrs

NET/NODE: 321/110

MEGS ON-LINE: 150

BBS SOFTWARE: Opus

FEATURES: This board is primarily for teachers in Massa-
chusetts. Has many Space, Physics, Astronomy and Educa-
tional Text and Program files. As of 1/5/1990 has an online
Database available on the 545-1959 phone line (via E from the
Main Menu). Many Message areas in education and space
topics. Local statewide Pen Pals areas for k-6 and Jr High.
The following two BBS are part of a network with the above
321/110 and have the same features.

BBS NAME: SPACEMET NORTH

BBS TELEPHONE NUMBER: 413-772-2030; 413-772-2038

CITY, STATE: Greenfield, MA

BAUD RATES SUPPORTED: 3/12/2400/9600 HST

SYSOP NAME: Terry Dun
HOURS OF OPERATION: 24 hrs
NET/NODE: 321/152
MEGS ON-LINE: 150
BBS SOFTWARE: Opus
FEATURES: This board is primarily for teachers in Massachusetts. Has many Space, Physics, Astronomy and Educational Text and Program files. As of 1/5/1990 has an online Database available on both lines (via E from the Main Menu). Many Message areas in education and space topics. Local statewide Pen Pals areas for k-6 and Jr High.

BBS NAME: SPACEMET SOUTH
BBS TELEPHONE NUMBER: 413-592-0942; 413-594-8405
CITY, STATE: Chicopee, MA
BAUD RATES SUPPORTED: 3/12/2400
SYSOP NAME: Phil Jachem
HOURS OF OPERATION: 24 hrs
NET/NODE: 321/302
MEGS ON-LINE: 150
BBS SOFTWARE: Opus
FEATURES: This board is primarily for teachers in Massachusetts. Has many Space, Physics, Astronomy and Educational Text and Program files. Many Message areas in education and space topics. Local statewide Pen Pals areas for k-6 and Jr High. Information provided by Helen Sternheim, Sysop 321/110

BBS NAME: STARBASE ONE
BBS TELEPHONE NUMBER: 01-733-3992
CITY STATE: London, England, U.K.
BAUD RATES SUPPORTED: V21, V22, V22 BIS, V23, MNP2
SYSOP NAME: Nick Stevens - Rob Robinson FRAS
HOURS OF OPERATION: 24 Hours
NET/NODE: FNET NODE 1013
MEGS ON-LINE: 80
BBS SOFTWARE: FoReM ST
FEATURES: Netmail, 100's of Astronomy D/L's, British Astronomical Society discussions and news (Comets, variables promptly reported, includes IAU bulletins, NASA texts reproduced with permission) Support for Atari, IBM PC compatible, .GIF, IFF, SPC, DEGAS formats of Astronomical subjects. The U.K.'s biggest Astronomy BBS and the only one officially supported by the British Astronomical Association. Information provided by Nick Stevens, co-Sysop

BBS NAME: STARBASE III - BBS
BBS TELEPHONE NUMBER: 1-209-432-BITS (2487)
CITY, STATE: FRESNO, CALIFORNIA
BAUD RATES SUPPORTED: 300/1200/2400
SYSOP NAME: JOHN PICKENS
HOURS OF OPERATION: 24 HRS - 7 DAYS A WEEK
-EXCEPT ZMH
NET/NODE: 1:205/33
MEGS ON-LINE: 160
BBS SOFTWARE: OPUS v 1.03c
FEATURES: StarBase III BBS - Astronomy, Space & Science. On-line NGC and Messier Catalogues, Calendar of Astronomy

Events. Many good Space and Astronomy programs; Data Bases, Demonstrations, Applications, Astro slide shows for your computer, lots of Astro/Space graphics and viewers. Practical Astro programs for in the field or, for you armchair astronomers, programs that are fun and educational. StarBase III carries International Conferences where you can join in on the discussion of; Astronomy, Space, Science, Physics, or UFO's with people who share your interests from the world over. Callers are validated within 24 hours and will then have full access to the board. CrashMail and Freq's accepted. Information provided by John Pickens, Sysop

BBS NAME: THE ANDROMEDA GALAXY
BBS TELEPHONE NUMBER: (518) 273-8313
CITY, STATE: Troy, NY
BAUD RATES SUPPORTED: 1200/2400
SYSOP NAME: Clint Anglin
HOURS OF OPERATION: 24 hours
NET/NODE: 1:267/167
MEGS ON-LINE: 60 (soon to be 100)
BBS SOFTWARE: QuickBBS
FEATURES: The board carries the Astronomy echo and a good size Astronomy files section. The latest monthly Star-Gazing notes (put out by the USNO) is always available for reading from the main menu. There are many other national echos available as well as a few local ones. Specialties include Animal Rights, Astronomy, Ecology, and Health. There are also a few online programs (doors), but no games. A user interest log and match maker are available so that users can get to know one another. To prevent the usage of multiple names by a single user all new users are verified prior to full access privileges. Local callers may use an automatic call back verification program for immediate upgrade; long distance callers must use a program that records his/her address so that a verification code may be sent. There is no fee charged for use of the BBS. Information provided by Clint Anglin, Sysop

BBS NAME: The Comm-Post
BBS TELEPHONE NUMBER: 303-534-4646
CITY, STATE: Denver, Colorado
BAUD RATES SUPPORTED: 300-14,400 HST
SYSOP NAME: Brian P. Bartee
HOURS OF OPERATION: 24 Hrs - 7 Days
NET/NODE: 1:104/666
MEGS ON-LINE: 640
BBS SOFTWARE: TBBS Multiline (5 Lines)
FEATURES: The Comm-Post has 640 Megabytes On-Line. There are currently 81 files areas containing over 50,000 files in over 6,000 archives available for download. 15 of those areas are FREE & open to first time callers. We originally came on-line to fill a gap with the loss of a local Astronomy BBS in 1986. Still being active in amateur astronomy we have left access to all Astronomy areas free, even though complete system access is \$25/6 mo, \$35/12 mo. Besides files we carry many science related Fido Echos. All files are available through File-requests from midnight to 05:30 MT. Information provided by Brian Bartee, Sysop

BBS NAME: THE SPACE BOARD
BBS TELEPHONE NUMBER: 81-45-832-1177
CITY, STATE: Yokohama, Japan
BAUD RATES SUPPORTED: 300/1200/2400 after a few months, 1200 at present
SYSOP NAME: Yoshiro Yamada
HOURS OF OPERATION: 24 hours
NET/NODE: None
MEGS ON-LINE: ?
BBS SOFTWARE: GBBS at present, but replaced by WWIV or other in a few months maybe
FEATURES: Astronomy/Space News, Earth satellite orbital elements and tracking program, observation reports from users. Operated at Yokohama Science Center, a municipal educational institution of the city of Yokohama. Information provided by Yoshiro Yamada, Sysop

BBS NAME: ZEPHYR BBS/SASS
BBS NUMBER: (419) 893-0121
CITY, STATE: Maumee, Ohio
BAUD RATES SUPPORTED: 300/1200/2400
SYSOP NAME: Erik Russell
HOURS OF OPERATION: 24 hours 7 days
NET/NODE: 1:234/4
MEGS ON-LINE: 156 Megs Online
BBS SOFTWARE: QuickBBS
FEATURES: Have a Space related Files Section, all of which is Freq'able. Also there is a section in which carries updated material on what's happening, along with some good reading for while on-line. The above two are called Space/Aerospace Sub System (SASS). Have over 1800 msdos files with support for Amiga/Atari/Commodore. Information provided by Erik Russell, Sysop

THE ASTRONOMY/SPACE BBS DIRECTORY

This listing of Astro/Space BBS's is updated quarterly. The latest list can always be obtained by Freq, or by calling the BBS listed below. You can support this directory by contributing BBS information for boards that actively support Astronomy and Space formats. All boards are called before they are included in this directory to ensure the integrity of the listings.

If you wish to add your favorite Astronomy/Space BBS to this list or update a listing already present, you may do so by sending the information to StarBase III - BBS via FidoNet address 1:205/33 or by calling StarBase III - BBS at 1-209-432-2487. Please send the information in the format that you see here in the list. Or... you can call StarBase III and answer the questionnaire from the Main Menu to have your BBS included!

About The Filename: The filename, for example, A-S902-TXT, lets you know if you have the latest edition of the Astronomy/Space BBS Directory. The A-S stands for Astronomy/Space, the following two numbers indicate the year - in this case 1990 - and the last number indicates the quarter

for which the directory is current. In this example, A-S902-TXT, the directory is current for the 2nd quarter of 1990. Thank you, and clear skies to you all!

John Pickens StarBase III - BBS 1-209-432-2487