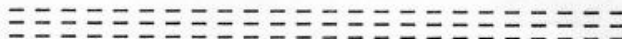


# Harford County Astronomical Society

NEWSLETTER  
Number 7

October 1970



## OCTOBER PROGRAMS

Tuesday - October 6, 1970.

Two films, "Navigation-Nautical Astronomy" and "Know Your Clouds" will be presented at this meeting. They will be the last in a series of films obtained from the military and should prove interesting. "Navigation-Nautical Astronomy" is a Navy film that shows through animation how celestial coordinates are placed on the earth, how to use declination, etc. "Know Your Clouds" is an Army movie that describes the major types of clouds and their formation. This movies should be very informative, in that it will give you an idea which clouds forecast rain, clear skies, and of other weather conditions.

Thursday - October 22, 1970. THE FOURTH THURSDAY

Dr. Elseke Smith, an advisor to astronomy majors, at the University of Maryland, will try to clear up any questions members may have about astronomy as a career and requirements for pursuing this course in college. Although this program will be of primary interest to those interested in astronomy as an occupation, all are urged to attend. This session may also be of value to parents whose children are participating actively in the Astronomical Society.

October Observing Night Scheduled for the 23d.

The October star party is currently scheduled for October 23d, with an alternate date of October 30th. The starting time is 7:00 PM, the place Harford Glen. The Observing Committee is working on a list of observable objects for either of these nights. If you are interested in helping out contact David Thomas (679-8540) or Lee Smallwood (879-2615).

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## SEPTEMBER OBSERVING NIGHT.

For some time on September 25th it appeared as if a star party was not going to be possible. Dark clouds covered the sky and lightening lit the north-east. However, the clouds eventually dispersed and the skies became clear. Approximately twenty persons were present bringing with them an eight inch, two six inch and several smaller refractor telescopes. The most notable object to come under scrutiny was Comet 1970f, which looked like a globular cluster with no visible tail. Show your support for this program by attending the October session.

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ASTRONOMICAL EVENTS FOR OCTOBER 1970. (David Thomas)

MERCURY - beyond sun at superior conjunction on October 27th for the third and last time this year.

VENUS - reaches greatest brilliancy east of the sun on October 6th with magnitude of -4.3. In crescent phase, distance from earth on October 6th is about 36,500,000 miles, distance from sun 67,600,000.

MARS - is 4 degrees North of crescent moon October 27, rises before 4 AM EST by month's end.

JUPITER - nearing sun - will be unobservable by month's end.

SATURN - bright as zero magnitude star, rising after 6 PM EST.

MOON - 1st Quarter - 7th; full - 14th; last Quarter - 21st; New Moon - 30th. Venus will be occulted twice, Antares once and Regulus once but none will be visible here.

October 21 - Orionid Meteor Shower about 25 meteors per hour.

PLANETARY CONFIGURATIONS - October

	Day	Hour	Min	Event
AM	3	03		♂ 4♄ 46° N.
PM	3	09		♂ ♀ 0.7° N.
AM	6	05		♀ gr. brilliancy (-4.3 mg.)
PM	16	09		♂ ♄ 8° S.
AM	20	10		♀ stationary in R.A.
AM	27	05		♂ ♃ 0 superior
PM	27	03		♂ ♄ 4° N.

\* \* \*

We extend our thanks to Mr. Dean for his presentation at the Bel Air Senior High School. We look forward to many more meetings with him.

UPDATED LIST OF MEMBERS

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Norman Dean - 2838 Scarff Rd, Fallston, Md.	557-7358
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\* \* \*

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The Editor is not responsible for the contents of any article submitted for publication. Articles may be submitted to PO Box 3, Aberdeen, Md., 21001 and should be in the hands of the Editor not later than the 21st of the month.