

OCTOBER, 1977

EDITOR: Jack Power

The October meeting of the AAAP will be held Tuesday evening, October 11th at 8:00 p.m. in Jadwin Hall, Room A-07, Princeton University. Our Speaker for the evening will be Dr. Erik Zimmermann, Director of the Robert J. Novins Planetarium, Ocean County College, Toms River, NJ. He will discuss the late stages of the sun's evolution.

The Meet-the-Speaker dinner will be at the Foolish Fox restaurant at the intersection of Routes 206 and 518 in Rocky Hill, NJ. Dinner will be at 5:45 p.m.

SEPTEMBER MEETING

Mr. Casper Hossfield, Chairman, Solar Division of the AAVSO, gave a most interesting discussion on a number of topics. He discussed objects in the universe that are "over observed" and some that are not afforded too much attention. He suggested that amateur observers direct their attention toward projects that are not the usual and are "discarded" by the professionals.

Cap discussed "Solar Flare" detectors and played tapes he had transcribed of phenomenon that can be heard in the Earth's atmosphere in the 1 to 2 kilohertz spectrum (extremely Low Frequency).

PICNIC

The picnic was enjoyed by the few that turned out. At the time a decision had to be made concerning postponement, the weather was miserable. Thus the picnic was postponed from Saturday to Sunday. The viewing at the observatory site was excellent. Among other objects, two satellites were observed.

OBSERVATION

Solar activity of Solar Cycle No. 21 seems to be on the increase after a very slow start. The monthly sunspot numbers are increasing as is solar activity. A number of solar flares have occurred during September of which a goodly number have been detected here in Trenton. The sun is becoming pocked with dark spots.

COMET KOHLER 1977m

Merlin Kohler of Quincy, California on September 3, 1977 discovered a 10th magnitude comet in the constellation Corona Borealis. Kohler was using a Dynomax 8 telescope at 70X. For his discovery Kohler wins the \$250 Roger Tuthill award.

Brian Marsden prepared the predicted positions and magnitudes given below for the International Astronomical Union. (IAU Circular #3112)

<u>Date</u>	<u>R.A.</u>	<u>Dec.</u>	<u>Estimated Brightness</u>
Oct. 4	16h 33m	+18° 02	7.7
" 9	16 49	+15° 22	
" 14	17 07	+12° 23	7.2
" 19	17 26	+ 9° 05	
" 24	17 46	+ 5° 26	6.8
" 29	18 08	+ 1° 28	
Nov. 3	18 32	- 2° 47	6.5
" 8	18 57	- 7° 14	
" 13	19 24	-11° 43	6.4
" 18	19 51	-16° 05	
" 23	20 20	-20° 09	6.5
" 28	20 48	-23° 47	
Dec. 3	20 17	- 6° 53	6.8

OCTOBER'S PARTIAL SOLAR ECLIPSE

During the October 12 partial solar eclipse, the moon will occult about 14% of the sun's disk for New Jerseyans. First contact will occur at 4:42 p.m. EDT, maximum eclipse at 5:19, and last contact at 5:52 p.m. AAAP Director, Dick Peery and Assistant Director, Roxanne Tobin will have telescopes set up at the observatory site in Washington Crossing State Park for those club members desiring to observe the partial phases.

Fred Bryce

Observatory ?

Super Glue

Car Inspection - MG

MG - Anti Freeze Oil Grease

Ply - Oil Grease

Paint

Zoysia Killer

Cut Grass ?

Wash Walls