MINUTES OF THE WARREN ASTRONOMICAL SOCIETY
MAY 19, 1977

The meeting was called to order by President, Pete Kwentus at 8 P.M. He read portions of the WAS constitution pertaining to election of officers.

Dolores Hill, secretary, briefly mentioned the Great Lakes Astronomical Symposium and the 2nd place telescope prize awarded to Louis Faix for his convertible telescope.

An appeal for articles was made by VESPA editor, Roger Civic.

The main business of the meeting was the WAS election. The new officers are as follows:

President ------Louis Faix
1st Vice Pres. --Frank McCullough
2nd Vice Pres. Dennis Jozwik
Treasurer ------Gary Morin
Secretary ------Loretta Caulley

Congratulations and good luck to all!

John Root proposed a campout at Camp Rotary on Memorial Day weekend.

Dr. Dan Martin presented a talk on shadow bands and eclipses. He displayed some of his instruments and showed slides of his eclipse expeditions.

The meeting was adjourned by Pete Kwentus at 11:45.

Minutes respectfully submitted,

Dolores Hill, Secretary

--- Editors Note:

Dear members, as you can see the old Wasp has changed again. It has been given a new name, VESPA; this is a Latin word that means wasp. The page size and character had changed about a year ago. The newsletter was a very successful publication, now it is time again for yet another change in the style and format. We are going back to the good old 8½ x 11 inch page size, those members who wish to add a page or two in the newsletter are now able to. As before, the new VESPA will be assembled before each meeting. Thank you for a good year.

the Editor,
The Warren Astronomical Society (W.A.S.) is a local nonprofit organization of amateur astronomers. Membership is open to all interested persons. Annual dues are as follows; Student- $9.00, College- $11.00, Senior Citizen- $13.50, Individual- $16.00, Family- $21.00, the membership fees listed here include a one year subscription to Sky & Telescope Magazine.

Meetings are held on the first Thursday of each month at Cranbrook, and the third Thursday of each month at Macomb County Comm. College, in the student union building.

The EDITOR:  Roger A. Civic, 26335 Beaconsfield
            Roseville Michigan, 48066- 776-8735

Assistant to the-Editor:  Mike Newberry, 623-7284

**OBSERVATORY SCHEDULE**

Lectures for the coming month are listed below.

July ........1/2 ...........Camp is closed
July ........8/9 ...........Camp is closed
July .......15/16 ......Ray Bullock ............879-9458
July .......22/23 ......Larry Kalinowski ......776-9720
July .......29/30 ......Peter Kwentus ........771-3283

The lecturer may select either the Friday or Saturday, depending on the weather and their personal schedule.

In the future, some of our younger members will be assisting the senior lecturer. These members are, Bob Dennington, Dave Locke, Doug Holmes and Joe Tocco.

·**buy- sell- trade**

The L.F.K. Astrophotographic Guide. Special price to Club members ...$1.00
Contact Larry Kalinowski, 776-9720.

WANTED: A new or used 8" mirror blank or tool to be used as a tool to grind my mirror with. Call, Chris Edsall at 774-0007 with offer.

FOR SALE: 10" Newtonian telescope. Factory mirror, yoke equatorial mount that is portable. 70 power eyepiece. For only $300.00, also a 40mm Polaris finder scope-12X, $25.00. 18mm Kellner eyepiece, $18.00. All in good condition. Call Doug Tracy- 882-4499
MESSIER CONTEST

&

PERSEID METEOR SHOWER

MESSIER CONTEST, OUTING, OBSERVING and just laying on your back observing and photographing the Perseid meteor shower. August 13th

INFORMATION CALL FRANK MCCULLOUGH 791-8752
**Great Lakes Regional Convention**

**Registration**

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**NUMBER OF PERSONS IN GROUP**

**REGISTRATION FEE** $6.00 per person

**ACCOMMODATION PACKAGE** $33.00 per person and includes both Friday and Saturday stay at Hamlin Hall dormitory on campus, meals on Saturday and Sunday, and banquet. Rates are based on double occupancy. Add $16.00 for single. Please include a list of persons taking advantage of this plan.

**BANQUET** $14.00 per person for those not interested in the accommodation package.

**TOTAL**

Payment for ACCOMMODATION PACKAGE and BANQUET is due no later than July 5, 1977.

Make check payable to GARY MORIN

Mail to: Gary Morin
11203 E. 14 Mile Road
Sterling Hts., MI 48077

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**1977 JULY 8-10**

**MUTUALLY INVOLVED REGIONAL AMATEURS**

**HELP REPRESENT THE WARREN ASTRONOMICAL SOCIETY**

**HAVE FUN MEET PEOPLE AT OAKLAND UNIVERSITY**

**MORE INFORMATION CALL FRANK MCCULLOUGH 791-8752**
FEB 24, 1976 - 6" CASS.- 6 MM. EYEP. - FIELD OF VIEW 5'36" APPROX.
SATURN - (SIZE) 46" X 24" (RINGS)

I wanted to check the clock drive on my 6" cass. to see how well
I could set it up. I took over an hour & one-half to get everything
squared away, then I centered the planet Saturn in the Scope at
380x, the clock was running and I took a look. FIG. #1. NO ADJ-
USTMENTS WERE MADE WHAT SO EVER. I WALKED AWAY AND CAME BACK IN

Fifteen Minutes FIG. 2 - There was some movement, again in 15 Min. FIG. 3,
45 minutes later Saturn was touching the edge of the field. FIG. 4 - in an
Hour and five minute Saturn was gone. How good a job had I done in
setting up my scope? the results - In 65 min Saturn had drifted
(approx) 148" of arc. to the S.S.W. at a rate of 2.25" per minute or at
a rate of about 0.56" in 15 sec. This is good for viewing but not for
Photography. I intend to do some more work on guiding and in the
Future will make another report. -

Roger
PROOF OF PLANETARY MOTION...Photographs taken 4-29 to 5-12-1976.
by Roger Civic

From day to day it is hard to see a planet travel along the ecliptic. So I thought I'd find out for sure if it really does and how far it moves over a period of time. I photographed Mars & Saturn for a period of 2 weeks when the sky was clear. I made a drawing of stars in the area & the two planets by projecting the slides on a screen and marking all the points of light. How about that, two of the points of light were changing position. This proved to me that the planet Mars and the planet Saturn were really in motion.

MARS TRAVEL
ABOUT 1 1/2° PER DAY

A more dramatic demonstration of this motion can be seen when the slides are flashed on a screen in rapid succession. Mars & Saturn really move along -- someday I would like to show this membership these slides.

Roger Civic