

Stardust

A Monthly Newsletter of the

Royal Astronomical Society of Canada

Edmonton, Centre

OCTOBER 1967

Hear Ye! Hear Ye!

The annual dinner meeting of the
Edmonton Centre will take place on

Friday, October 13
at the
Bonaventure Motor Hotel
6:30 p.m.
Cost \$2.75 a plate

Telephone Mrs. Marg Smith at 434-2144
before Sunday, October 8 to reserve
your place.

Feature- Two recent colour films on
space exploration.

Full Moon in Eclipse During the early morning hours of Wednesday, October
October 17-18 18th the moon will slide into the earth's long expand-
ing shadow and produce the second of this year's
total eclipses of the moon. Unlike the April eclipse which had totality near the
horizon at sunrise, this month's eclipse will find the moon completely immersed
in the shadow between 02:45 a.m. and 03:46 a.m. while it is still high in the
sky. The various phases of the eclipse are listed below:

Moon enters penumbra	00:10 a.m. MST
Moon enters umbra	01:25
Totality begins	02:45
Mid-eclipse	03:15
Moon leaves umbra	05:05
Moon leaves penumbra	06:20

Those of our members who have no telescope or wish to observe and photograph
the eclipse in an observing party are asked to contact the following who will be
setting up observing stations in their parts of the city:

Mr. R. Haeckel 13323- 140 Street G15-1069 Mr. A. Smith 4908-116 Street 434-2144
Mr. R. Allin Devon Observatory 434-7185 Mr. D. Bruner 9401-154 Street 489-1822
Mr. F. Loehde 8332 Jasper Ave 429-1887 Mr. W. Gable 13419- 70 Street 476-2205

OBSERVER MEETING-- How to observe and photograph the eclipse
Sunday, October 15 7:30 p.m. 8332 Jasper Avenue 429-1887

Star Party



Notes from the Observatory- Over the summer there has been considerable activity at the Devon observing site. First the University of Alberta completed their observatory with a 12-inch Dall-Kirkham telescope. Barry Brown, a graduate student, is planning a program of photoelectric photometry with the instrument.

With much-needed assistance from Dave Bruner, Angus Smith, Don Hillyer, Ralph Haeckel, and Alberta Steel Products, Robert Allin has nearly completed his roll-off roof observatory with its 10-inch reflecting telescope.

Star Party October 6 In order to see these developments first hand, there will be a star party on Friday, October 6th. All interested in going out to Devon are asked to meet at the Planetarium before 7:00 p.m. from which point a mass exodus will lead to the observatory site. On the slim(?) chance that it is cloudy on the appointed day, we postpone to the next evening should the need arise. We expect that symphony-goers will be out a little later in the evening.

The 12-inch Dall-Kirkham Cassegrain

Lunar Occultations- A new season of timing the disappearances of stars behind the moon is upon us and our regular trio of Angus Smith, Ralph Haeckel and Franklin Loehde have been very successful in securing 'times' for the Royal Greenwich Observatory with nine positive reports for September in so far. New members with telescopes (small or large) interested in taking up this fascinating study are encouraged to join them.

A spectacular "graze" is to occur near Edmonton later the same evening as our banquet. Our members with telescopes will be able to see the star 56 Aquarius disappear and reappear as the star passes a number of mountains on the very edge of the moon. Any volunteers to make it the first successful Canadian observation? Call 429-1887.

Star Watchers' Calendar for October

Fri 6th	Star Party	7:00 p.m.
Sun 8th	Banquet Deadline	Call 434-2144
Thu 12th	Occultation	9:24 p.m.
Fri 13th	Annual Banquet	6:30 p.m.
	"Graze"	9:50 p.m.
Sat 14th	Occultation	10:54 p.m.
Sun 15th	Occultation	1:24 a.m.
Mon 16th	Occultation	00:10 a.m.
	Occultation of Saturn	5:59 p.m.
Wed 18th	Total Eclipse of Moon	3:15 a.m.
Sat 21st	Orionid Meteor Shower	7:00 p.m.
Sun 22nd	Occultation	2:52 a.m.
Tue 24th	Occultation	10:56 p.m.

Saturn is near opposition and bright all month. Consult your OBSERVERS' HANDBOOK