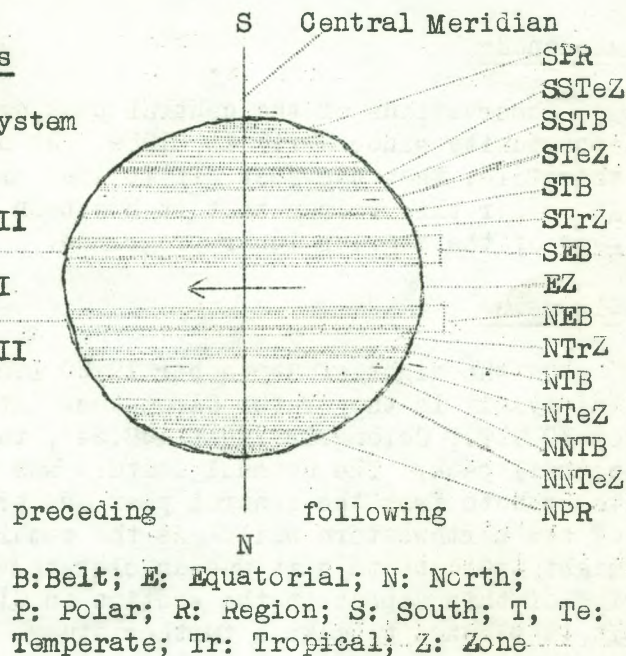


WITH THE PLANETS
by
Geoffrey Gaherty, Jr

JUPITER During the 1959 apparition of Jupiter, the Montreal Centre's observers were very active and achieved some very good results. The following table gives details of the 84 drawings received:

Name	Telescope	Drawings
D. Bartlett	6 $\frac{1}{8}$ " Refr, 4 $\frac{1}{4}$ " Refr	5
C. Bedard	6 $\frac{1}{8}$ " Refr, 4 $\frac{1}{4}$ " Refr	2 System
K. R. Brasch	3" Refr, 6 $\frac{1}{8}$ " Refr, 8" Refl	12
F. J. DeKinder	6 $\frac{1}{8}$ " Refr	1
S. Downing	6 $\frac{1}{8}$ " Refr	7 II
C. L. Drolet	4 $\frac{1}{4}$ " Refr, 6 $\frac{1}{2}$ " Refr	6
E. Fraser	6 $\frac{1}{8}$ " Refr	1 I
G. Gaherty	8" Refl, 6 $\frac{1}{8}$ " Refr, 3 $\frac{1}{4}$ " Refr	15 II
M. Ihnat	2" Refr, 6 $\frac{1}{8}$ " Refr, 4 $\frac{1}{4}$ " Refr	6
J. Musgrave	6 $\frac{1}{8}$ " Refr	2
C. Papacosmas	8" Refl, 6 $\frac{1}{8}$ " Refr, 3" Refr	7
S. M. Sundell	6 $\frac{1}{8}$ " Refr	1
P. Waugh	6 $\frac{1}{8}$ " Refr	1
G. Wedge	6 $\frac{1}{8}$ " Refr, 4 $\frac{1}{4}$ " Refr, 3 $\frac{1}{4}$ " Refr	6 preceding
V. Williams	6" Refl, 6 $\frac{1}{8}$ " Refr	4 following
I. K. Williamson	3 $\frac{1}{4}$ " Refr, 6 $\frac{1}{8}$ " Refr	6
K. Zorgo	5" Refl	2



The observations cover a period from April 18, 1959, to September 14, 1959, opposition being on May 18. In addition to drawings, work was done on the Jovian satellites, and a large number of central meridian transits were timed. Results of these latter programmes will appear next month.

Surface Features. The above diagram shows the standard nomenclature which will be used in this report. The north and south components of the SEB and NEB are denoted by the addition of a small "n" or "s". It should be noted that all the belts in the diagram are not necessarily visible during any one particular apparition; in 1959 the NTB was invisible, the NTrZ and NTeZ forming one broad zone.

The following table lists the belts in order of decreasing conspicuousness. It is based on 78 drawings and 1 conspicuousness estimate. Note that the EB is a very delicate band seen occasionally near the middle of the EZ, and that the NNNTB is a belt north of the NNTB. The two components of the NEB could be resolved only with moderate telescopes and very good seeing. When unresolved, the NEB has been classed with the NEBs in the table. The last line of the table gives the relative conspicuousness of the belts using an arbitrary scale.

Month	No. of Obs.	Conspicuousness
April	1	NEBs, SEBn, STB, EB, NNTB
May	16	NEBs, SEBn, STB, SPR, NPR, NNTB, SEBs, NEBn, SSTB, EB
June	23	NEBs, SEBn, STB, NPR, NNTB, SPR, SSTB, NEBn, NNNTB
July	36	NEBs, SEBn, STB, SPR, NPR, NNTB, SSTB, NEBn, NNNTB
Aug.	2	NEBs, (SEBn-STB-NEBn), SPR, NPR, NNTB
Sept.	1	NEBs, SEBn, STB, NPR, SPR
Aver.	79	NEBs, SEBn, STB, SPR, NPR, NNTB, SSTB, NEBn, SEBs, EB, NNNTB
		100 82 65 39 38 29 8 7 2 1 1

.... to be continued.

OBSERVING THE MOON

by

George Wedge

Alphonsus

Observations of the central peak area of this formation have been made at every opportunity since April 15, 1959. At no time was any new spot seen. It would seem, therefore, that the spot, if it does exist, is beyond the limit of our instruments. It is for this reason that it has been decided to discontinue these observations as part of the regular lunar programme.

Cleomedes

On the night of September 19/20 1959 an unusual feature was noted by K. Brasch and myself in the crater Cleomedes. At the time of the observation, from 03:00 to 03:30 U.T., Colong. 128.29 - 128.54°, the floor was in total darkness except for the central peak. The unusual feature was a cone-shaped zone of faint light which seemed to emanate from the central peak and traversed the floor, reaching the central part of the northwestern wall. As the remainder of the floor was in deep shadow, this might indicate that it was an elevated portion of the floor but I can find no mention of this aspect in the section on Cleomedes in "The Moon" by Wilkins and Moore. It is planned to make a further study of this crater.

Lunar Training Course

The second member to complete the lunar identification course is Vic Williams, who has done a very fine job of mounting his finished map. This map can be seen at the Observatory and may encourage other members to complete their maps in time for the Annual Meeting of the Society next spring. Jim Low, a new member of the lunar section, recently began identifying craters and already has 79 of the required 300 to his credit.

In connection with the training course, the following drawings have been received:

- from Mme. J. P. Jean, two drawings of Gassendi and one drawing of Bullialdus and one drawing of Aristotles.
- from K. Brasch and Vic Williams, one drawing each of Bullialdus.

Other Drawings Received

- Drawings of Tycho, Longomontanus and Copernicus, from Vic Williams
- Drawing of a portion of the interior of Clavius from I. K. Williamson
- Drawing of the cleft system in Janssen from G. Wedge.

Several observations have been made by Mme. Jean, G. Caherty and G. Wedge to detect Swan emission, using a wratten filter. These were all negative.

The following evenings for lunar work will be held at the Centre's Observatory:

- Wednesday, December 9th
- Wednesday, December 16th

WITH THE PLANETS
by
Geoffrey Gaherty, Jr

JUPITER Surface Features, cont. Jupiter was rather inactive during the 1959 apparition and devoid of prominent features. The Red Spot was missing and the Red Spot Hollow was very inconspicuous. The most active region was along the S edge of the NEBs with many projections, bays, and white spots being recorded. There was an extremely dark spot in the NEBn which might be related to the dark marking seen in this latitude last year (May-August 1959 Strolling Astronomer p.63). Of great interest was a small dark spot in the STRZ, joined to the SEBn by a thin grey wisp. Similar objects have heralded major outbursts of activity in the SEB in the past, but this one seemed to change little during the period it was under observation (June 5 - August 14).

Rotation Periods. Only one observer, the writer, contributed transits this year. When the 149 transits observed are plotted on graph paper, 40 of them produce "drifts" for 12 Jovian marks. Because of the small number of observations and the inexperience of the observer, the derived rotation periods should be taken with a grain of salt.

In the table, the columns give respectively: an identifying number; whether the object was dark (D) or bright (W) and whether the preceding (p) or following (f) end, or the centre (c) of the spot was observed; the first and last dates of observation; the longitudes on those dates; the longitude extrapolated to opposition; the number of transits; the drift in 30 days; and the rotation period.

No	Mark	Limiting Dates	Limiting L.	L.	Transits	Drift	Period
							h m s
North Equatorial Current (S edge NEB, N part EZ), System I:							
1	Dp	Jul. 15 - Jul. 29	101° - 102°	96°	3	2.6	9 50 34
2	Dc	Jul. 15 - Jul. 29	111 - 106	126	3	-9.0	9 50 18
3	Df	Jul. 15 - Jul. 29	117 - 112	132	3	-9.4	9 50 17
4	Dp	Jul. 22 - Aug. 14	125 - 123	132	3	-2.3	9 50 26
5	Dc	Jul. 20 - Aug. 14	132 - 127	141	4	-4.7	9 50 24
6	Df	Jul. 20 - Aug. 14	135 - 134	136	4	-0.9	9 50 29
7	Dc	Jul. 4 - Aug. 12	159 - 161	158	5	0.6	9 50 31
8	Df	Jul. 4 - Jul. 29	169 - 166	174	3	-3.4	9 50 25
9	Wc	Jul. 4 - Jul. 29	175 - 173	180	3	-2.8	9 50 26

Mean Rotation Period (without nos 2, 3): 9h 50m 28s

North Tropical Current (N edge NEB, NTrZ), System II:

1	Dp	Jul. 17 - Aug. 8	129° - 123°	145°	3	-7.9	9 55 30
2	Dc	Jul. 17 - Aug. 8	132 - 127	144	3	-6.0	9 55 32
3	Df	Jul. 17 - Aug. 8	136 - 131	150	3	-6.9	9 55 31

Mean Rotation Period: 9h 55m 31s

Satellite Phenomena. The following table gives the times of satellite phenomena observed during 1959. All times are in U.T. Abbreviations used are: To - observed time (mean of 1st and 2nd contacts); Tc - time predicted in Nautical Almanac; Tr.c. - Transit commences; E.f. - Eclipse finishes; and Im. - Occultation immersion. In the July 29 observation, To was obtained by adding half the mean interval between contacts to the time of 1st contact.

Date	Phenomena	1-Contact	2-Contact	To	Tc	To-Tc	Observer
							m
July 28	II. Tr.c.	01:56	02:07	02:01.5	02:00	1.5	Gaherty
July 29	III. E.f.	00:49.5	-----	00:53.0	00:53.7	-0.7	Gaherty
Aug. 2	I. Im.	01:52	01:54	01:53.0	01:59	-6.0	Williamson
Aug. 12	III. Im.	01:05	01:13	01:09.0	01:19	-10.0	Gaherty

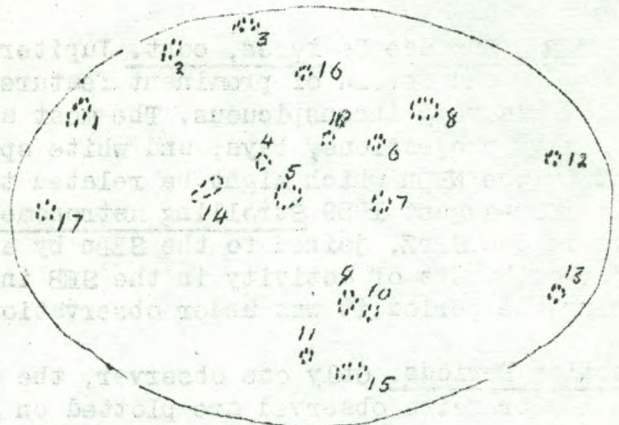
OBSERVING THE MOON

by
George Wedge

Report on Plato

Observations of the floor of Plato have been made at every opportunity since March 1959. Observations made with instruments of 4 inches or smaller show no detail on the floor. Of the many drawings submitted, 16 do show detail.

The following table and diagram give some idea of what has been seen by our observers under varying angles of illumination.



Date	Colong.	Observer	Inst.	Seeing	Objects Seen
Apr. 16/17	16.8	G.Gaherty	8" Refl.	4	6, 14.
July 14/15	23.4	G.Gaherty	8" Refl.	4	5, 15.
Sep. 11/12	24.0	K.Brasch	6½" Refr.	fair	7, 18.
Sep. 11/12	24.1	G.Gaherty	8" Refl.	2	5, 6.
Aug. 13/14	30.7	G.Gaherty	8" Refl.	2	5, 7.
May 17/18	35.4	G.Gaherty	8" Refl.	6	2, 5, 6, 9.
May 18/19	47.6	G.Gaherty	8" Refl.	6	2, 3, 4, 5, 6, 7, 9, 10, 12, 17.
July 16/17	47.9	G.Gaherty	8" Refl.	3	1, 5, 6, 7, 14.
Sep. 13/14	48.2	G.Gaherty	8" Refl.	3	1, 2, 5, 7, 8, 9.
July 16/17	49.6	C.Papacosmas	8" Refl.	5	1, 7, 8, 11, 12, 13, 16,
Mar. 22/23	71.3	G.Gaherty	8" Refl.	v.poor	5, 9.
Sep. 16/17	85.4	G.Wedge	6½" Refr.	poor	
Jul. 19/20	85.7	G.Gaherty	8" Refl.	3	5.
Mar. 24/25	96.8	G.Gaherty	8" Refl.	good	5, 7, 9, 10, 15.
May 24/25	121.6	G.Gaherty	8" Refl.	4	5, 7, 11.
Mar. 27/28	122.3	G.Wedge	6½" Refr.	fair	8.

It will be noted that most detail was recorded between colongitudes 47° and 50°. The most prominent object was the central cratercone (5). This object was seen 11 times out of the 16 observations.

Other detail observed consisted of large areas of lighter hue. Most striking of these was a bright triangle-shaped area to the southeast. This was seen by 3 observers on 8 occasions.

Our observers may be interested in comparing the above diagram with that of Alike K. Herring on page 96 of Vol. 11 of the Strolling Astronomer and the chart by Patrick McIntosh on page 297 of Vol. 17 of Sky and Telescope.

Ridges and Clefts in Janssen

Janssen is the largest formation in the Southwestern quadrant, being over 100 miles in diameter. Its floor contains a great amount of detail, so much that it is impossible to make a complete sketch during one observation. On November 18/18, 1959 I noted a very interesting pattern of ridges and clefts in the northern region, near the crater Fabricius. At Colongitude 133.5°, with the crater practically on the terminator, these ridges and clefts formed an "M"-shaped pattern which was very distinct under the low angle of illumination.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre
Planetary Observations - Jupiter's Satellites

Date JUNE 9/10, 1959..... Satellite I.....
Time Used U.T...... Phenomenon E.F......

	Observed: h. m. s.	Mean: h. m. s.	Predicted: h. m. s.
Time: 1st Contact	<u> </u>	<u>03:03</u>	<u>03:04.4</u>
2nd Contact	<u> </u>		

Remarks:

Telescope 8" CAVE REFLECTOR..... Power 240X.....
Seeing 3-4..... Transparency 3.....
Observer GEOFFREY GAHERTY, JR......
Address
..... Telephone No

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre
Planetary Observations - Jupiter's Satellites

Date JULY 27/28, 1959..... Satellite II.....
Time Used U.T...... Phenomenon ~~E.F.~~ Tr.C......

	Observed: h. m. s.	Mean: h. m. s.	Predicted: h. m. s.
Time: 1st Contact	<u>01:56: -</u>	<u>02:01.5</u>	<u>02:00 00</u>
2nd Contact	<u>02:07: -</u>		

Remarks: Wind caused tube vibrations.

Telescope 8" CAVE REFLECTOR..... Power 240.....
Seeing 3..... Transparency 3.....
Observer GEOFFREY GAHERTY, JR......
Address
..... Telephone No

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre
Planetary Observations - Jupiter's Satellites

Date .. JULY 28/29, 1959 Satellite .. III
Time Used .. U.T. Phenomenon .. ~~III~~ E.P.

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	00:49:30		00:53.7
2nd Contact			

Remarks:

Telescope .. 8" CAVE REFLECTOR Power .. 240
Seeing .. 3 Transparency .. 3
Observer .. GEOFFREY GAHERTY, JR
Address
..... Telephone No

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre
Planetary Observations - Jupiter's Satellites

Date .. AUG 1/2, 1959 Satellite .. NO. 1 IO
Time Used .. E.D.T. Phenomenon .. OCCULTATION DISAPPEARANCE

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	21:52	21:53	21:59
2nd Contact	21:54		

Remarks:

Telescope .. 110mm Zeiss Refractor Power .. 90X
Seeing .. Poor - Wind Vibration Transparency .. GOOD 3
Observer .. I. K. WILLIAMSON
Address .. 5162 BELMORE AVE
..... MONTREAL, QUE Telephone No

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre
Planetary Observations - Jupiter's Satellites

Date AUGUST 11/12, 1959..... Satellite III.....
Time Used U.T...... Phenomenon Im......

	Observed:	Mean:	Predicted:
	h. m. s.	h. m. s.	h. m. s.
Time: 1st Contact	<u>01:05:-</u>	<u>01:09:-</u>	<u>01:19</u>
2nd Contact	<u>01:13:-</u>

Remarks: Seeing very bad, image boiling.

Telescope 8" CAVE REFLECTOR..... Power 240.....
Seeing 0..... Transparency 3.....
Observer GEOFFREY GAHERTY, JR.....
Address
..... Telephone No

JUPITER - 1959: CENTRAL MERIDIANS OF DRAWINGS (SEE P. 2 FOR LEGEND)

Meridian	Drawings	Meridian	Drawings	Meridian	Drawings	Meridian	Drawings
1	6.G. 50 K.2.	16	6.G.	31	68 C.P.	43	68 C.P.
5		45	55 K.B.	85	14 S.D. 51 C.P. 60 L.D.	125	165 55 22 P.W.
10	67 I.W. 4 G.G.	50	39 K.B. 37 V.W.	90	3 51A K.B. M.I.	130	40B C.P. F.D. 56 C.P. 33 I.W.
15		55		95	61 K.B.	135	5 S.D. 6 I.W.
20		60		100	55 K.B. 27 K.B.	140	34 G.G.
25		65		105	60 L.D. 15 28 C.P. S.D.	145	15 34A C.P. V.W.
30		70	10 G.G. 12 L.D.	110	24 G.W. 9 29 G.G. G.W.	150	27 L.D. 7 G.W.
35		75	52 K.2.	115	38 K.B.	155	22 P.W. 41 I.W. 74 K.B. 58 59 L.D. M.I.
40		80	42 I.W. 13 S.D.	120	17 61 D.B. K.B.	160	3 K.B.
					56 G.P. 24 74 G.W. K.B.		195
					31 59 D.B. M.I.		195
					75 G.G.		200
					20 S.D.		42 I.W.

		58 L.D.	70 M.I.	26 G.S.
		2 G.S.	37 53A V.O. M.I.	65 73 D.B. G.W.
205	245	43 50 C.P. K.Z.	23 63 G.G. J.M.	325
				40B C.P.
210	250	38 K.B.	290	330
11 44 G.G. S.D.	71 G.W. 36 V.W.		40 G.G.	44 S.D.
34A V.W. 45 D.B.		295	54 71 D.B. G.W.	16 45 G.G. D.B. 4 F.D. 66 K.B.
215			295	335
				5 6 DA S.D. I.W. K.B.
220	260		300	340
			23 65B G.G. S.G.	46 M.I. 67 I.W. 26 G.G. 2 47 G.G. L.D.
46 M.I.			76 G.G. 11 64 G.G. M.I.	
225	265		305	345
47 L.D. 39 K.B.	62 K.B. 75 G.G.		66 K.B.	41 53A I.W. M.I. 48 J.M. 7 G.W.
48 J.M.	270	72 C.B. 72 C.B.	310	350
69 S.D.			40A K.B.	
230				
			8 65 G.G. D.B. 64 M.I. 72 C.B.	51 C.P. 52 K.Z.
57 L.D.	275	63 69 J.M. S.D. 1 G.S.	315	355
70 M.I.		62 K.B. 35 73 K.B. G.W.	35 K.B.	49 C.P. 53 I.W. 54 D.B. 36 V.W. OA K.B.
49 C.P.				
240	280		320	

LEGEND:

BLUE - SYSTEM I

RED - SYSTEM II

TRANSIT

G.G. - GAHERTY

K.B. - BRASCH

F.D. - DEKINDER

S.D. - DOWNING

I.W. - WILLIAMSON

G.W. - WEDGE

L.D. - DROLET

C.P. - PAPACOSMAS

D.B. - BARTLETT

E.F. - FRASER

V.W. - WILLIAMS

P.W. - WAUGH

C.B. - BEDARD

S.S. - SUNDELL

M.I. - IHNAT

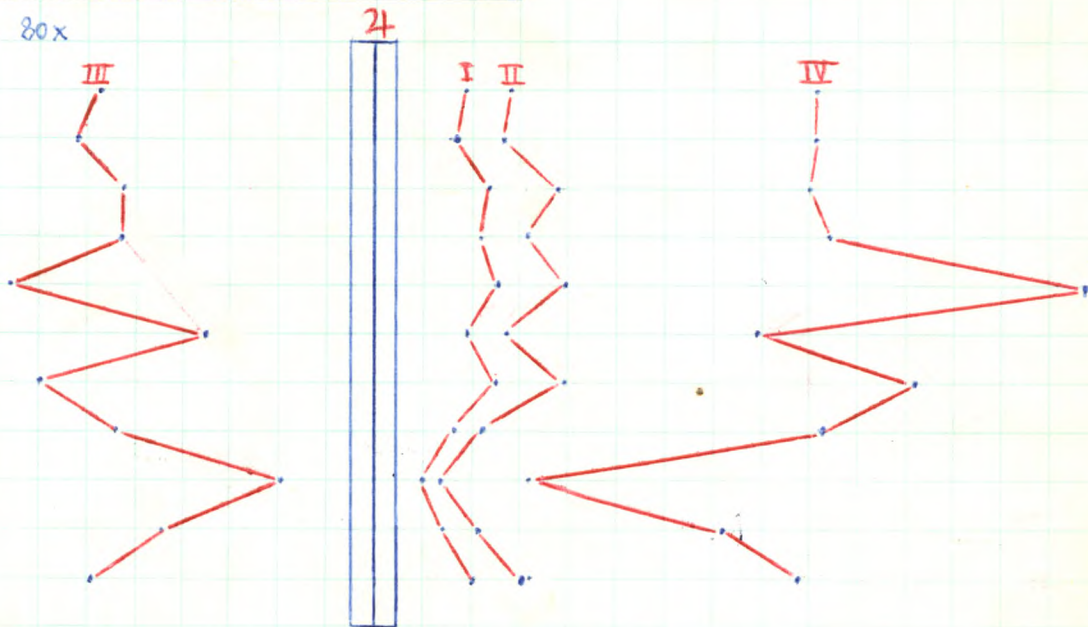
J.M. - MUSGRAVE

K.Z. - ZORGO

JUPITER'S SATELLITES — 1959

MAY 30/31, 1959 6 1/2" RFR. 80x

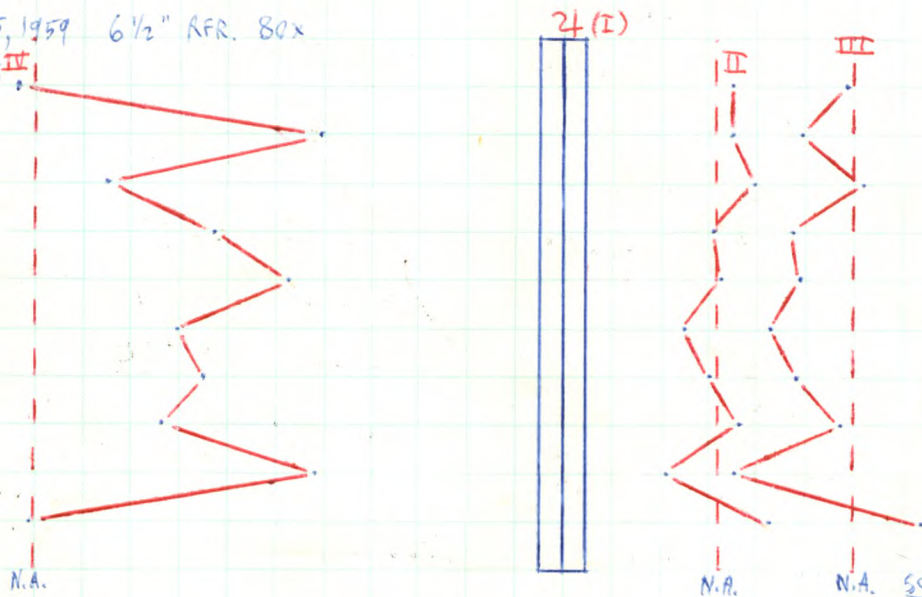
D. BARTLETT
21:40 E.D.T.
S. DOWNING
21:42
C.L. DROLET
21:45
G. GAHERTY
21:45
V. WILLIAMS
21:50
R. PREZAMENT
21:50
G. WEDGE
21:55
C.M. GOOD
22:00
W.J. COLLINAN
22:10
P. WAUGH
22:55
C. PAPACOSMAS
??



G.G.

JUNE 24/25, 1959 6 1/2" RFR. 80x

C. PAPACOSMAS
21:40 E.D.T.
P. WAUGH
21:38
S. DOWNING
21:44
D. SANDS
21:45
E. SUNDELL
21:47
J. MUSGRAVE
21:50
T. TOPHAM
21:53
S. SUNDELL
21:56
W. GILBERT
21:58
G. GAHERTY
22:01



TOTAL NO. OF MM. DEVIATION FROM N.A.

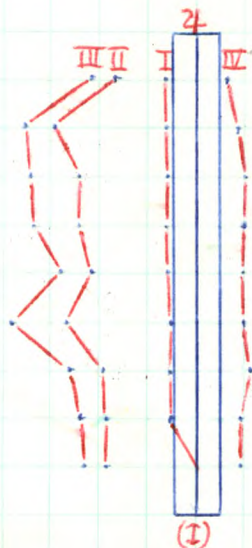
***	5
	47
**	15
	31
	40
	33
	30
	21
	61
*	16

G.G.

SCALE: 1 MM. = 7.2 SECONDS OF ARC

AUGUST 1/2, 1959 4 1/4" RFR. 90x

W.J. COLLINAN
21:23 E.D.T.
M. GARRON
21:24
S. DOWNING
21:28
D. SANDS
21:31
V. WILLIAMS
21:36
K. BRASCH
21:39
W.S. KIMBLE
21:42
C. GRASSBY
21:48
I. K. WILLIAMSON
21:54

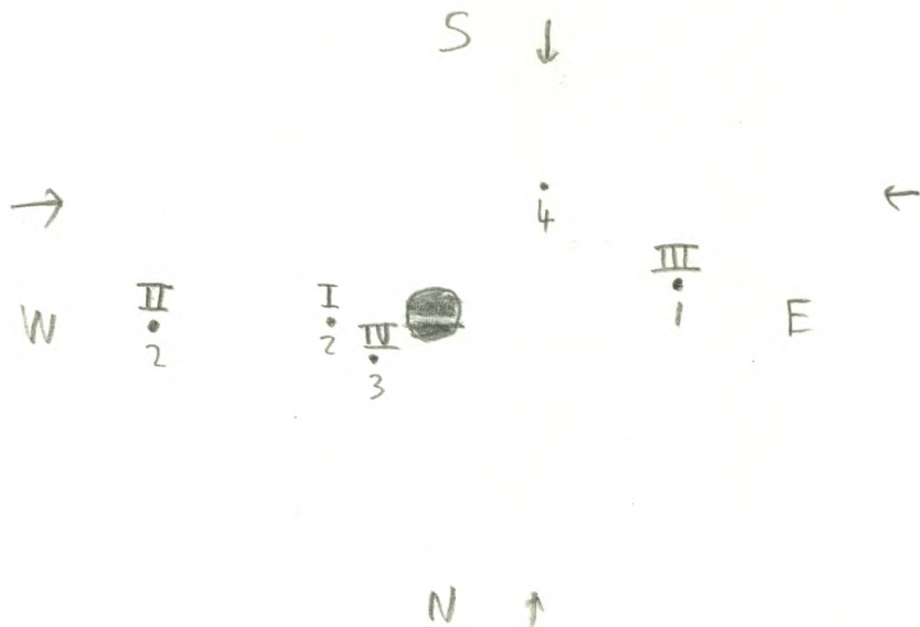


I OCCULTED AT 21:53 EDT (I.K.W.)

(I)

Royal Astronomical Society of Canada
 Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER (negative)

Date MAY 18/19, 1959

Local Time 23:25 E.D.T.

Universal Time 03:25 (19)

Central Meridian (1)

(2)

Telescope 8" REFLECTOR (CAVE)

Eyepiece 50X

Seeing 5

Transparency 4

Remarks: Arabic numbers indicate descending order of brightness (1 brightest). Object to SE was fainter than IV by about twice the difference in brightness between III and IV. [Page 57 of 1959 B.A.A.H. gives $III = 5.1$, $IV = 6.2$. $\therefore \Delta m(III, IV) = 1.1$. \therefore Object = $6.2 + 2 \times 1.1 = 8.4$]

\therefore This object is not one of the fainter satellites but is a star. Skalnate Pleso Atlas shows star 7.26-7.75 m close to Jupiter's position, $\frac{1}{3}$ of distance from $H-\theta$ Librae.]

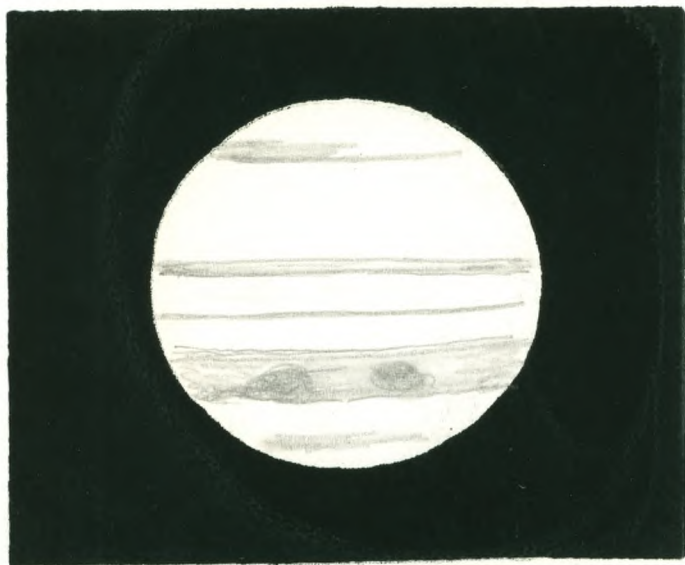
Observer GEOFFREY SAHERTY, JR.

Address 636, SYDENHAM AVENUE, MONTREAL 6.

Telephone No. HU. 4-2402

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



N

PLANET Jupiter.....

Date April 17-18 1959.....

Local Time 23:45 EST.....

Universal Time 04:45.....

Central Meridian (1) 339°.....

(2) 0°.....

Telescope 3" Refr......

Eyepiece 100x.....

Seeing 6. (Good).....

Transparency 4.....

Remarks:

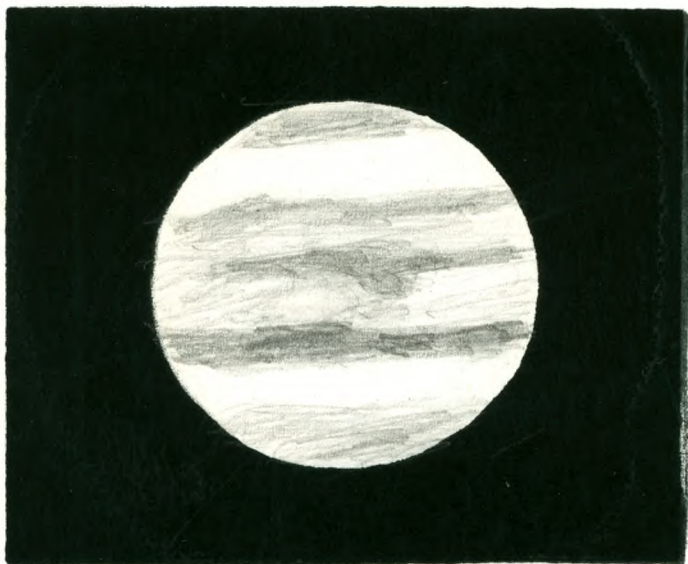
Observer K. R. Brasch.....

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



N

PLANET JUPITER.....

Date MAY 1/2, 1959.....

Local Time 23:55 E.D.T......

Universal Time 03:55 (?).....

Central Meridian (1) 1°.....

(2) 276°.....

Telescope 8" REFLECTOR.....

Eyepiece 180X.....

Seeing 4.....

Transparency 3.....

Remarks:

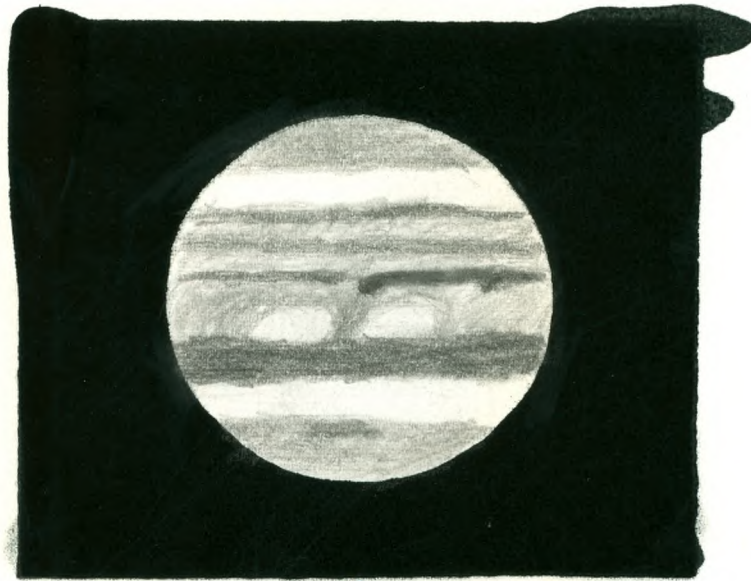
Observer GEOFFREY GAHERTY, JR......

Address 636, SYDENHAM AVENUE, MTL 6.....

Telephone No. HU. 4-2402.....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



N

PLANET JUPITER

Date MAY 3/4, 1959

Local Time 00:40 E.D.T.

Universal Time 04:⁴⁰~~22~~ (4)

Central Meridian (1) 344°

(2) 244°

Telescope 8" REFLECTOR

Eyepiece 280x

Seeing 4

Transparency 4

Remarks: Suspected doubling of N.E.B.

Observer GEOFFREY GAHERTY, JR.

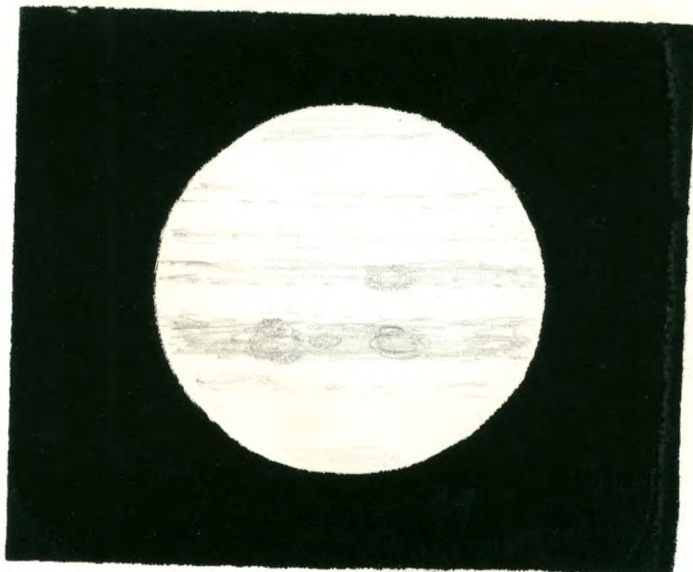
Address 636, SYDENHAM AVENUE, MTL. 6

Telephone No. HU 4-2402

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS

S



N

PLANET *Jupiter*.....

Date *May 9-10 1959*.....

Local Time *0010 (E.D.T.?)⁶⁶*.....

Universal Time *0510 (04:10?)⁶⁶*.....

Central Meridian (1) *194°*.....

(2) *48°*.....

Telescope *6 1/2" Refra*.....

Eye piece *22x*.....

Seeing *6 (good)*.....

Transparency *3*.....

Remarks:

Observer *K. R. Brasch*.....

Address *8545 L'ACADIE BLVD, T.M.R.*.....

Telephone No. *CR 6-4238*.....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



4

(G.G.) PLANET Jupiter.....

Date May 16/17 1959
22:50 (G.G.)

Local Time 10:50 EDT..... Universal Time 02:50 (G.G.)
14:50.....

Central Meridian (1) 172° (G.G.)..... (2) 333° (G.G.).....

Telescope 6 1/2" Refractor..... Eyepiece 100x.....

Seeing Good..... Transparency Good.....

Remarks:



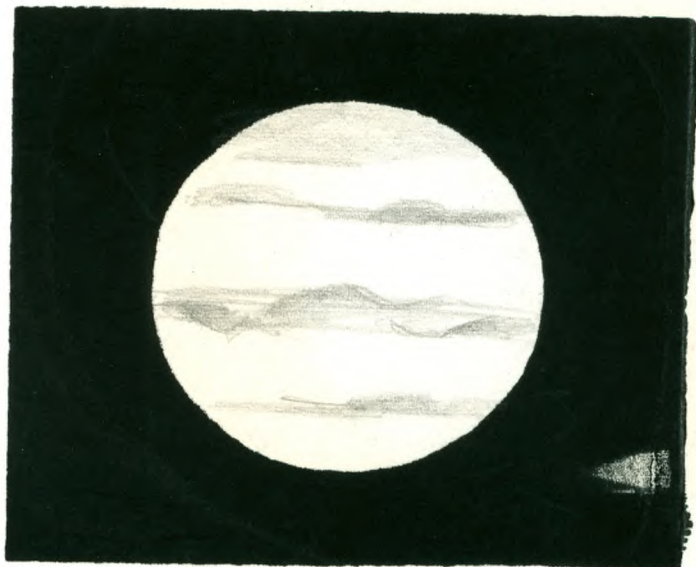
Observer Frank J. De Kinder.....

Address 10729 Emile Str......

Telephone No. DU-8-0682

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date MAY 16th 1959.....

Local Time 2300 EDT.....

Universal Time 03.00 ~~12.11~~.....

Central Meridian (1) 178'.....

(2) 339'.....

Telescope 6 1/2 inch.....

Eyepiece 100 X.....

Secing 6.....

Transparency CLEAR.....

Remarks:

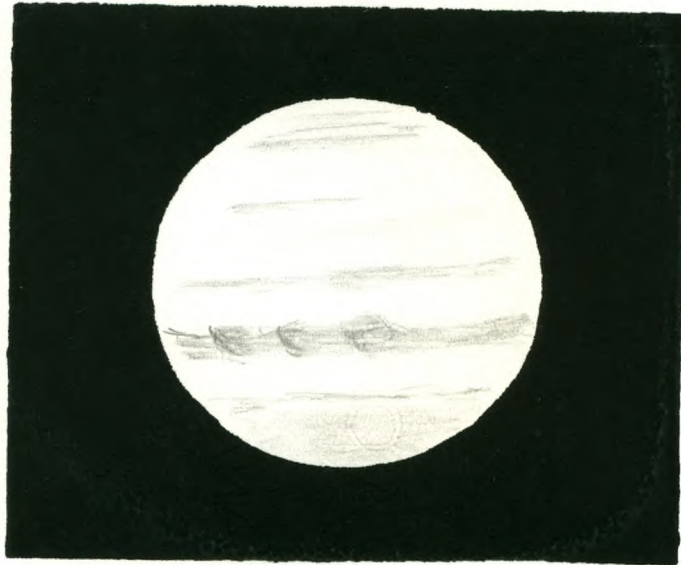
Observer S. DOWNING.....

Address 943 ST. GEORGE.....

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date MAY 16/17 1959.....

Local Time 23.00 E.D.T.....

Universal Time 03:00.....

Central Meridian (1) 178° (6.6).....

(2) 339° (6.6).....

Telescope 6 1/2" REFRACTOR.....

Eye-piece 100X.....

Seeing 4.....

Transparency 3.....

Remarks:

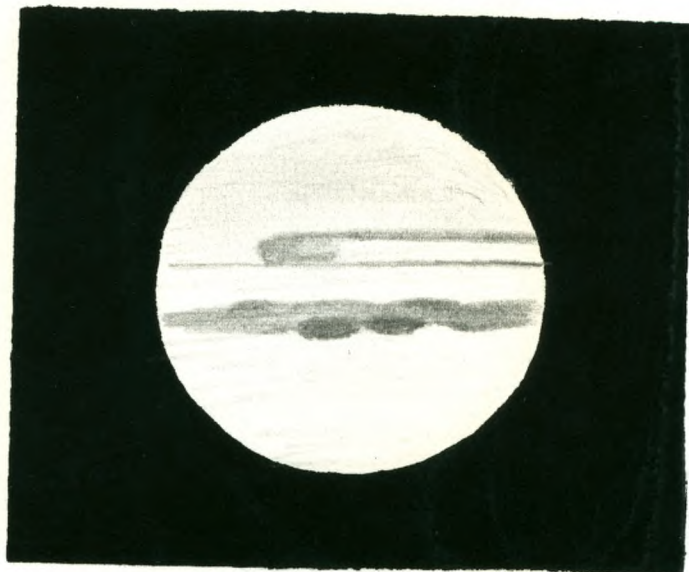
Observer I. K. WILLIAMSON.....

Address 5162 BELMORE AVE.....

Telephone No. HU. 6-1218.....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date MAY 16/17 1959.....

Local Time 23.15 E.D.T......

Universal Time 03.15.....

Central Meridian (1) 187°^{GC}.....

(2) 348°^{6.6}.....

Telescope 6 1/2" REFRACTOR.....

Eyepiece 100X.....

Seeing FAIR 4.....

Transparency

Remarks:

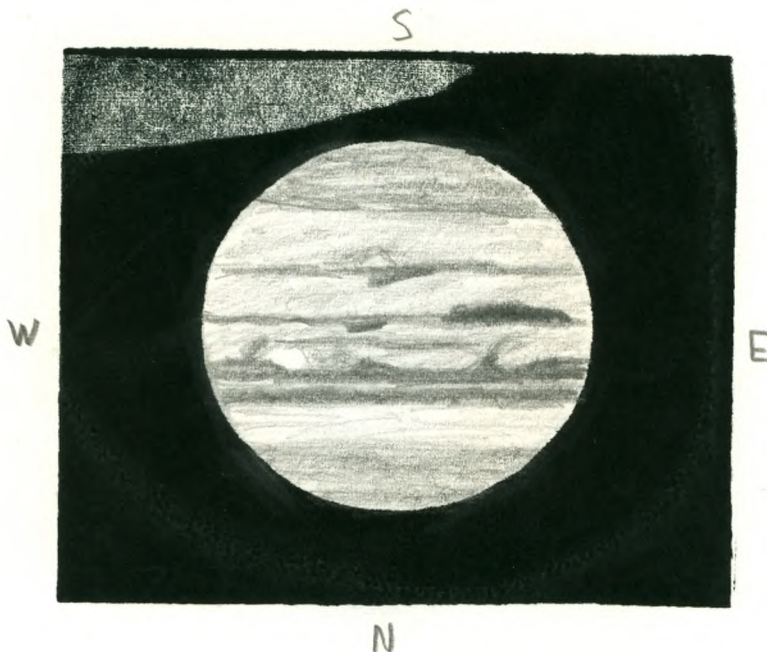
Observer G. E. WEDGE.....

Address 5945 COTE DES NEIGES MTL.....

Telephone No. RE. 1-2148.....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date MAY 18/19, 1959

Local Time 23:55 E.D.T.

Universal Time 03:55 (19)

Central Meridian (1) 168°

(2) 313°

Telescope 8" REFLECTOR (CAVE)

Eyepiece 240x

Seeing 7

Transparency 4

Remarks:

Observer GEOFFREY GAHERTY, JR.

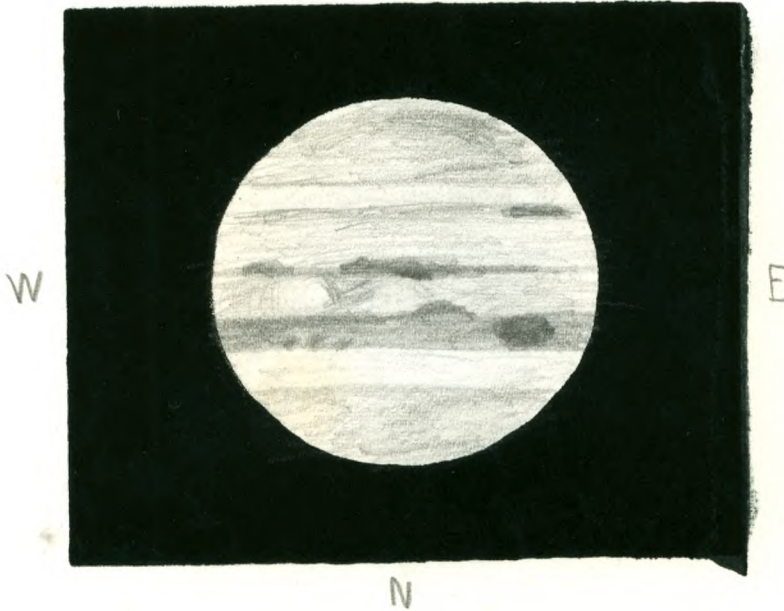
Address 636, SYDENHAM AVENUE, MONTREAL 6.

Telephone No. HU. 4-2602

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS

S



PLANET JUPITER

Date MAY 24/25, 1959

Local Time 23:15 E.P.T

Universal Time 03:15 (25)

Central Meridian (1) 110°

(2) 111°

Telescope 8" REFLECTOR (CAVE)

Eyeiece ~~240X~~ 240X

Seeing 6

Transparency 4

Remarks:

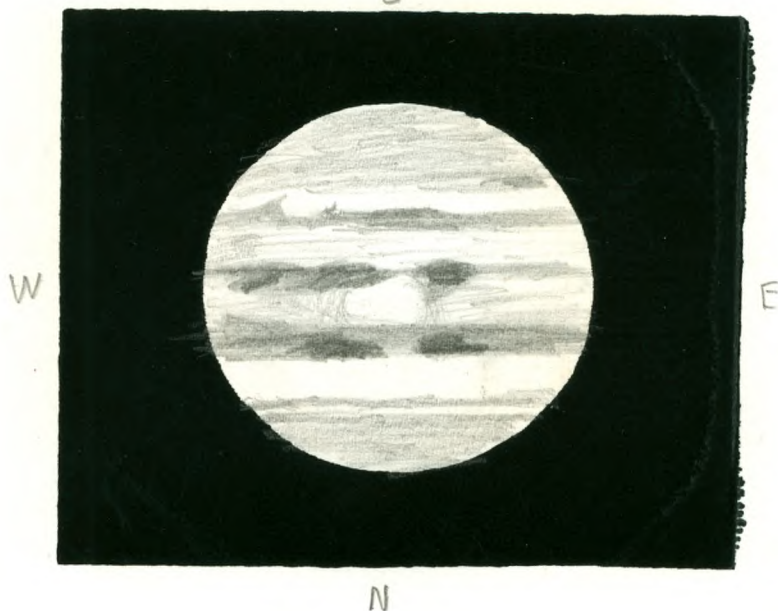
Observer GEOFFREY GAHERTY, JR.

Address 636 SYDENHAM AVENUE, MONTREAL 6, QUEBEC

Telephone No. HU. 4-2402

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date MAK 24/25, 1959

Local Time 00:50 E.D.T.

Universal Time 04:50 (25)

Central Meridian (1) 69°

(2) 168°

Telescope 8" REFLECTOR (CAVE)

Eye-piece 240X

Seeing 6

Transparency 4

Remarks:

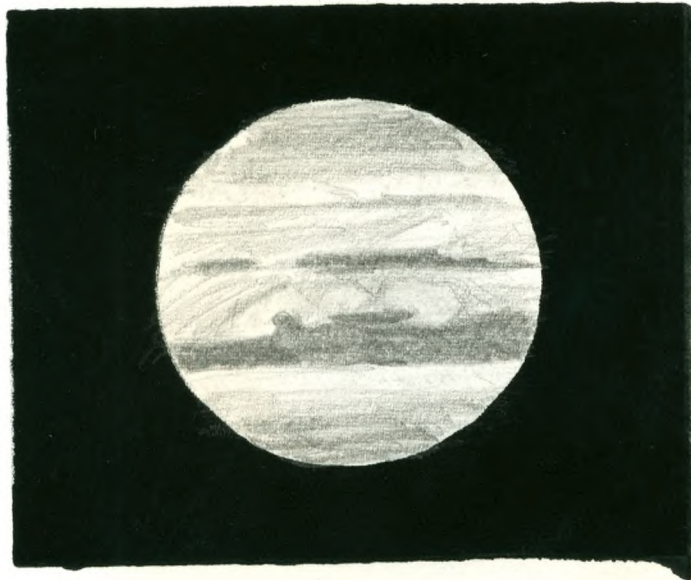
Observer GEOFFREY GAHERTY, JR.

Address 636, SYDENHAM AVENUE, MONTREAL 6, QUEBEC.

Telephone No. HU. 4-2402

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PLANETARY OBSERVATIONS



PLANET JUPITER

Date MAY 25/26, 1959

Local Time 00:25 E.S.T

Universal Time 04:25 (26)

Central Meridian (1) 212°

(2) 304°

Telescope 8" REFLECTOR (CAVE)

Eyepiece 240x

Seeing 4

Transparency 4

Remarks:

Observer GEOFFREY GAHERTY, JR.

Address 636, SYDENHAM AVENUE, MONTREAL 6, QUEBEC

Telephone No. HV. 4-2402

Royal Astronomical Society of Canada
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PLANETARY OBSERVATIONS



PLANET JUPITER

MAY
Date 27-28-1959

Local Time 21:45 ~~0:30~~ E.D.T.

Universal Time 01:45 (28)

Central Meridian (1) 70°

(2) 148°

Telescope 6" Refractor

Eye-piece 80X

Seeing

Transparency

Remarks:

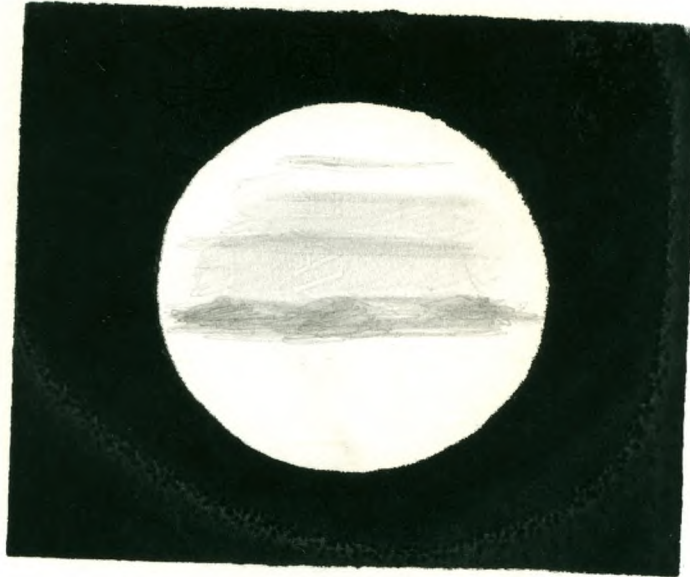
Observer W.D. Dyer

Address 241 Clarke Avenue

Telephone No. WE 5-1662

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date 27/28 MAY 1959.....
Local Time 21.55 E.D.T...... Universal Time 1.55 (28).....
Central Meridian (1) 76°..... (2) 154°.....
Telescope 6 1/2" refr...... Eyepiece 80X.....
Seeing GOOD..... Transparency FAIR.....

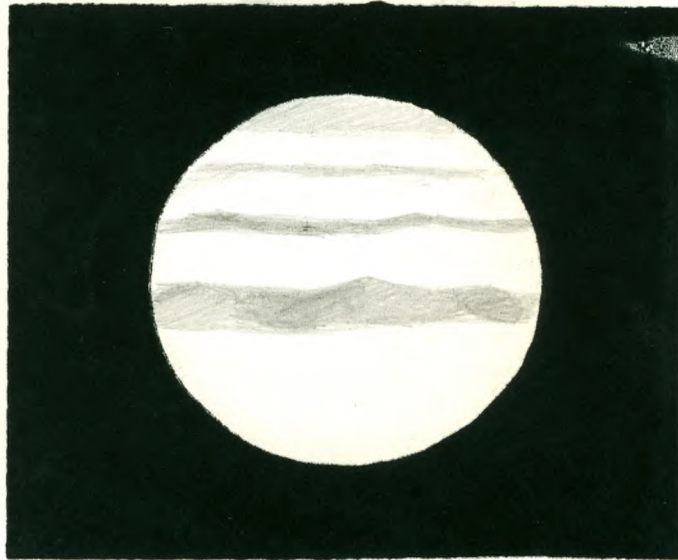
Remarks:

Observer S Downing.....
Address 943 ST GEORGE.....

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date 27/28 May/59.....

Local Time 22 10 E.D.T.....

Universal Time 2,110 (28).....

Central Meridian (1) 86°.....

(2) 163°.....

Telescope 6 1/2" REF.....

Eyepiece 222 X.....

Seeing FAIR.....

Transparency FAIR.....

Remarks:

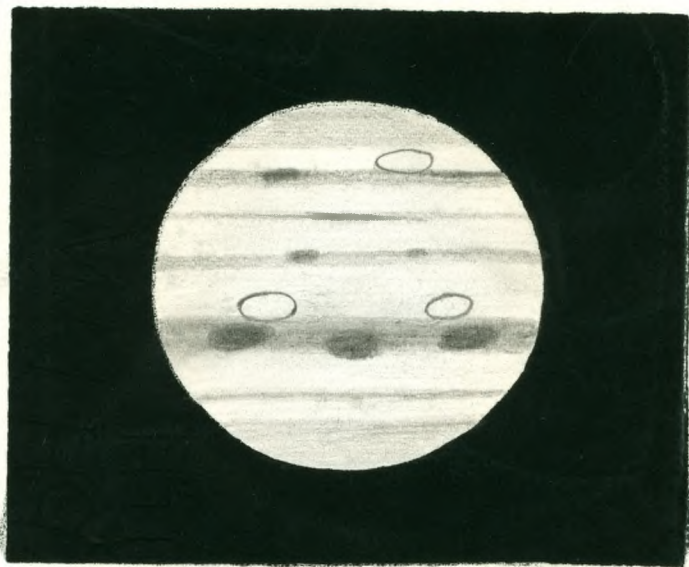
Observer S. Downie.....

Address 943 ST GEORGE ST.....

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *JUPITER*

Date ... *MAY 27/28 1959*

Local Time ... *22:45 EDT*

Universal Time ... *2:45 (23)*

Central Meridian (1) ... *107°*

(2) ... *184°*

Telescope ... *6 1/2" REFRACTOR*

Eyepiece ... *133X*

Seeing ... *3*

Transparency ... *2*

Remarks:

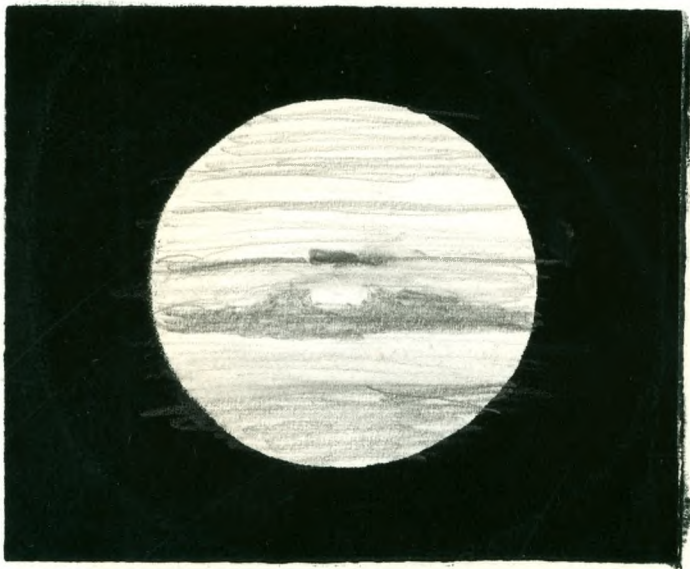
Observer ... *Constantine Papacosmus*

Address ... *3260 BARCLAY*

Telephone No. ... *RE. 3-6902*

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date MAY 28/29, 1959

Local Time 00:35 EDT

Universal Time 04:35^P (29)

Central Meridian (1) 332°

(2) 41°

Telescope 8" REFLECTOR

Eyepiece 240X

Seeing 2-3

Transparency 4

Remarks: Observing terminated due to extremely poor seeing.

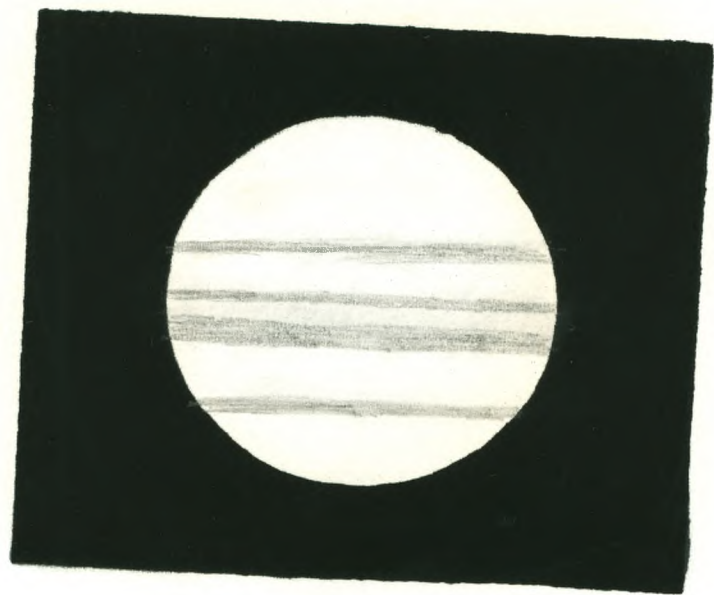
Observer GEOFFREY GAHERTY, JR.

Address 636, SYDENHAM AVENUE, MONTREAL 6, QUEBEC

Telephone No. HU. 4-2402

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Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter

Date June 3-4/59

Local Time 22:15 E.D.T.

Universal Time 2:15 (4)

Central Meridian (1) 115°

(2) 138°

Telescope 6 1/2" refractor

Eye-piece 222X

Seeing good

Transparency very good

Remarks:

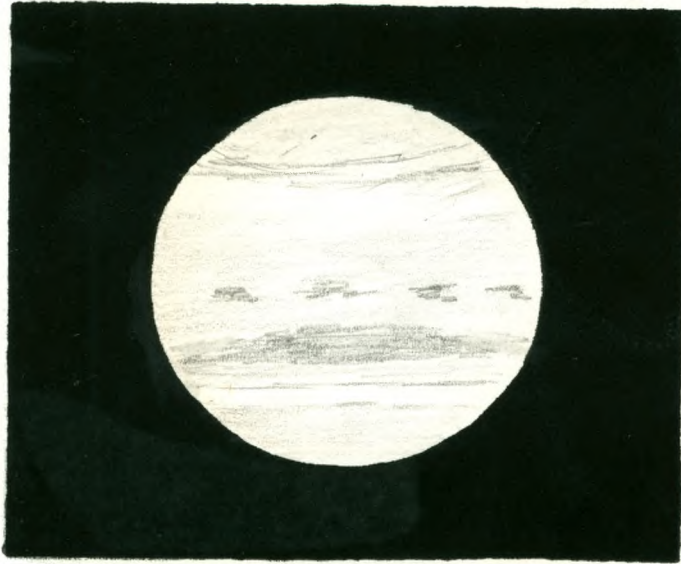
Observer Donald Barlett

Address 1680 Fayolle

Telephone No. PO-8-2636

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET .. Jupiter

Date .. June 3/4 .. 1959

Local Time .. 22.25 .. EDT

Universal Time .. 2.25 .. (4)

Central Meridian (1) .. 121°

(2) .. 144°

Telescope .. 6 1/2"

Eyepiece .. 22x

Seeing .. 4

Transparency .. Very Good

Remarks:

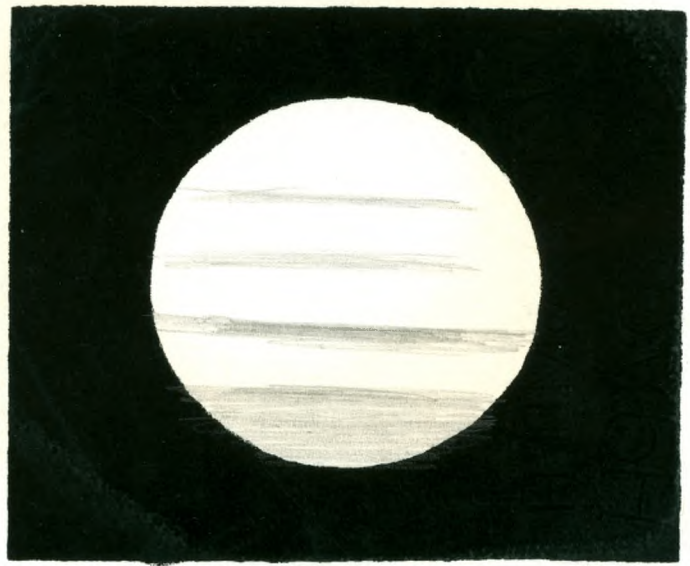
Observer .. Elspeth .. Fraser

Address .. 6567 .. Starnes St.

Telephone No. HV-4-9067

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



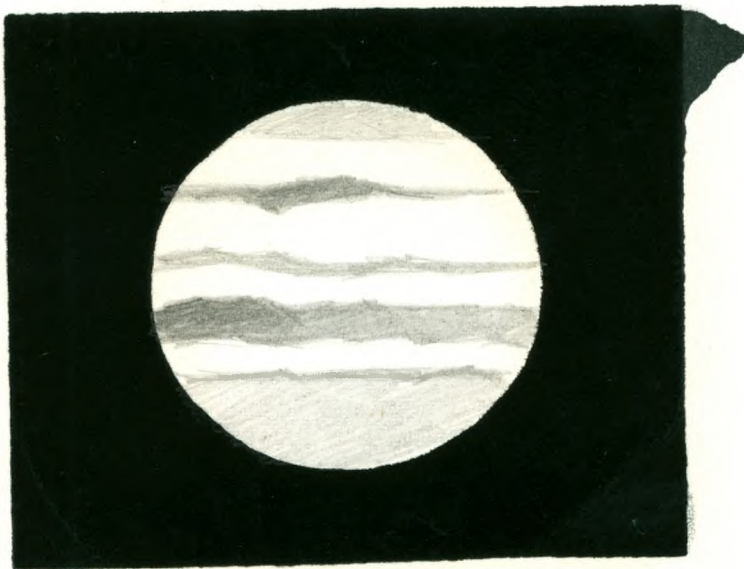
Date .. ~~May~~ ^{JUNE} 3/4, 1959 .. PLANET .. *Jupiter* ..
 Local Time .. *22.40 EDT* .. Universal Time .. *02.40 (4)* ..
 Central Meridian (1) .. *130°* .. (2) .. *154°* ..
 Telescope .. *6 1/2" refractor* .. Eyepiece .. *22.2x* ..
 Seeing .. *good* .. Transparency .. *fair* ..
 Remarks:

Observer .. *Vic Williams* ..
 Address .. *1857 Avind Ave.* ..

Telephone No. .. *CL 5-1657* ..

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUNE 3/4, 1959.....

Local Time 22.50 E.D.T.

Universal Time 2.50 (4)

Central Meridian (1) 136' ✓

(2) ~~158~~ 160°

Telescope 6 1/2" Refr.

Eyepiece 22 X

Seeing GOOD

Transparency FAIR

Remarks:

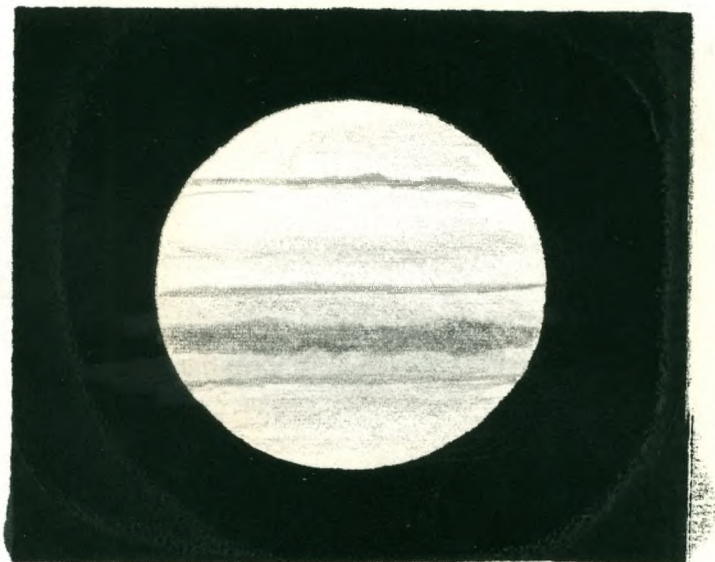
Observer S. DOWNING.....

Address 943 ST GEORGE ST

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUNE 3/4 1959.....

Local Time ... 2 2:55 EDT.....

Universal Time ... ~~0355~~ ^{02:55} _{4:45}.....

Central Meridian (1) ... 139°.....

(2) ... 163°.....

Telescope ... 6 1/2" REFRACTOR.....

Eyepiece ... 22X.....

Seeing ... FAIR ... 5.....

Transparency ... FAIR ... 3.....

Remarks:

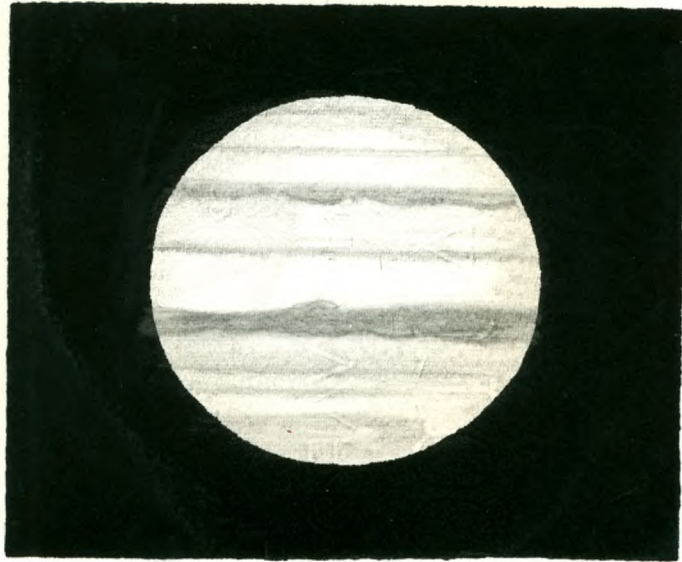
Observer ... George E. Wedge.....

Address ... 5945 COTE DES NEIGES.....

Telephone No. ... RE-1-2148.....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUNE 3-4 / 59.....

Local Time 23.40 E.D.T......

Universal Time 3.40 (4).....

Central Meridian (1) 166°.....

(2) 190°.....

Telescope 6 1/2" REFRACTOR.....

Eyepiece 222.....

Seeing FAIR 4.....

Transparency FAIR 2.....

Remarks:

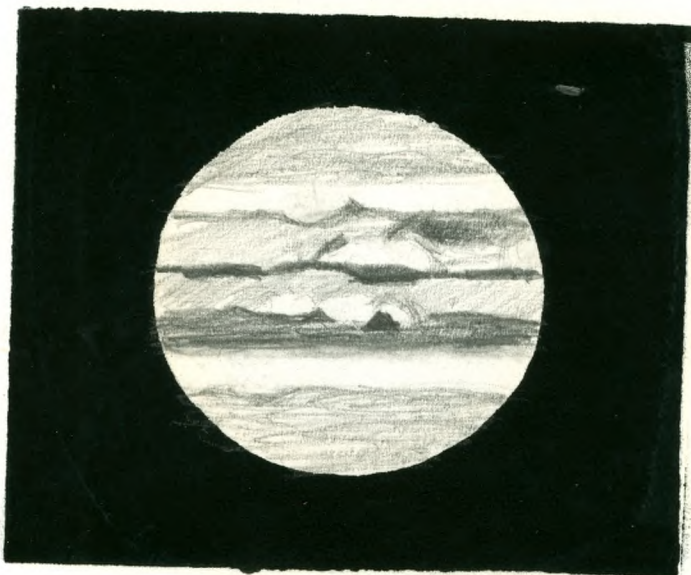
Observer Peter Wang.....

Address 1235 CRESCENT ST.....

Telephone No. UN 6 8058.....

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUNE 4/5, 1959

Local Time 22:35 E.D.T.

Universal Time 02:35 (5)

Central Meridian (1) 285°

(2) 310° 30'

Telescope 8" REFLECTOR (CAVE)

Eyeiece 180-240X

Seeing 2-3

Transparency 4

Remarks:

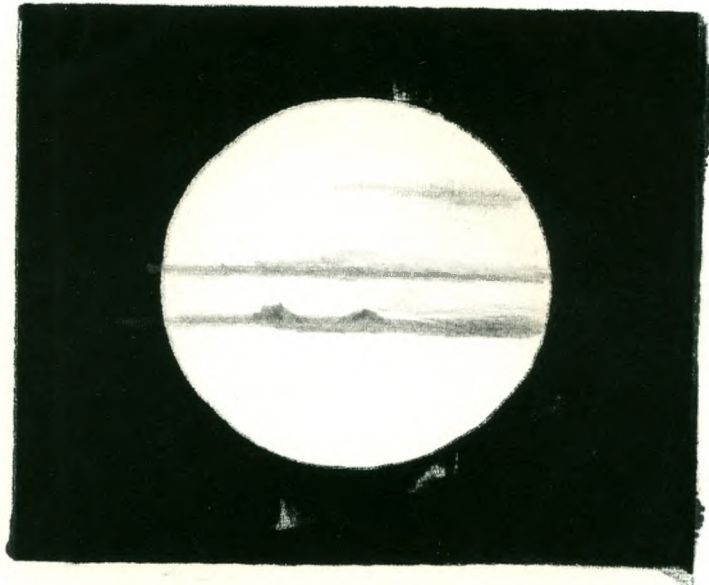
Observer GEOFFREY GAHERTY, JR.

Address 636, SYDENHAM AVENUE, MONTREAL 6.

Telephone No. HU. 6-2402

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUNE 5/6 1959

Local Time 23:20 EDT

Universal Time 03:20

Central Meridian (1) 110°

(2) 118°

Telescope 3" REFRACTOR (9se)

Eyeiece 67x

Seeing FAIR

Transparency POOR

Remarks:

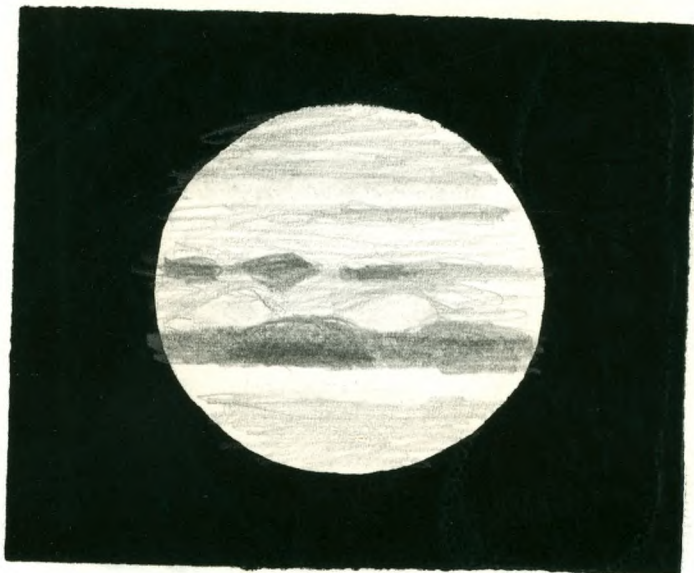
Observer G. Wedge

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUNE 5/6, 1959

Local Time 23:55 E.D.T.

Universal Time 03:55 (6)

Central Meridian (1) 132°

(2) 140°

Telescope 80mm REFR. (ZEISS)

Eyepiece 17.3x

Seeing 4

Transparency 3

Remarks:

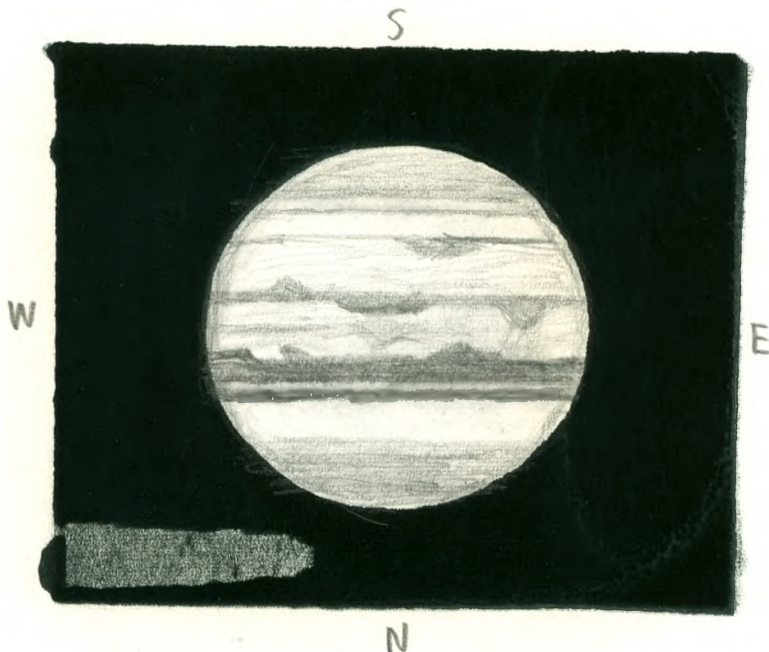
Observer GEOFFREY GAHERTY, JR.

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUNE 9/10, 1959

Local Time 22:15 E.D.T.

Universal Time 02:15 (10)

Central Meridian (1) 343°

(2) 321°

Telescope 8" REFLECTOR (CAVE)

Eyepiece 240X

Seeing 4

Transparency 3

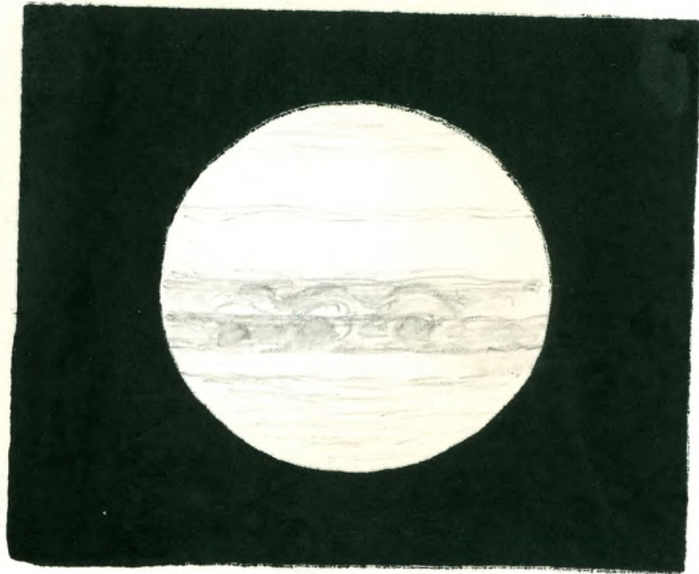
Remarks:

Observer GEOFFREY GAHERTY, JR.

Address 636, SYDENHAM AVENUE, MONTREAL 6, QUEBEC. Telephone No. HU. 6-2402

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET ..Jupiter.....

Date ..10-11 June 1959.....

Local Time22:00 DST.....

Universal Time ...02:00.....

Central Meridian (1) ..132°.....

(2) ..102°.....

Telescope ..6 1/2" Refractor.....

Eyepiece20x.....

Seeing4.....

Transparency2.....

Remarks:

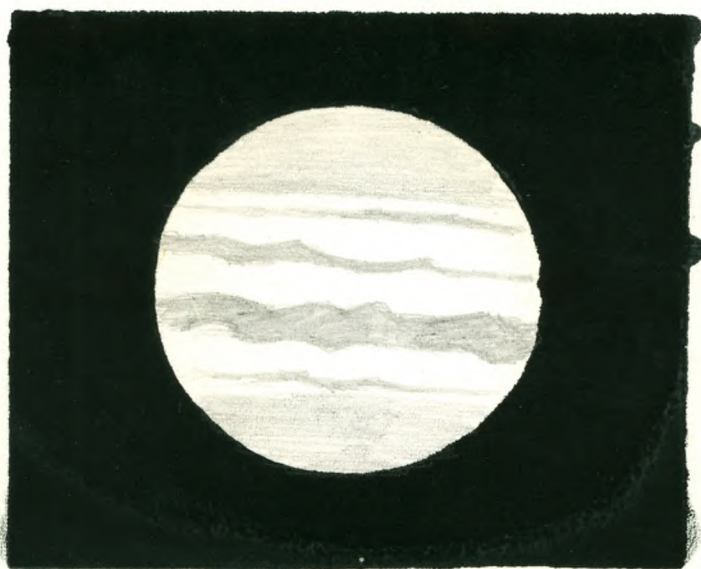
Observer ...K. R. Brasch.....

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date June 10/11 1959.....

Local Time 22.08.....

Universal Time 2.08.....

Central Meridian (1) 223.5 136°.....

(2) 214.5 107°.....

Telescope 6 1/2" Refr.....

Eyeiece 222 X.....

Seeing FAIR.....

Transparency FAIR.....

Remarks:

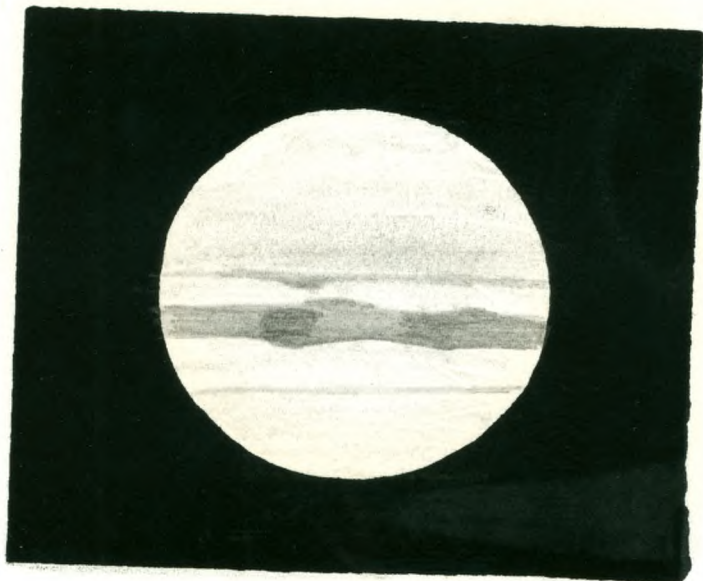
Observer S. Downing.....

Address 943 ST GEORGE ST......

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUNE 10/11 1959..

Local Time 22.15..... EDT.....

Universal Time 02.15.....

Central Meridian (1) 141°.....

(2) 111°.....

Telescope 6 1/2" REFRACTOR

Eyeiece 22.2x.....

Seeing FAIR 4.....

Transparency FAIR - GOOD 2-3.....

Remarks:

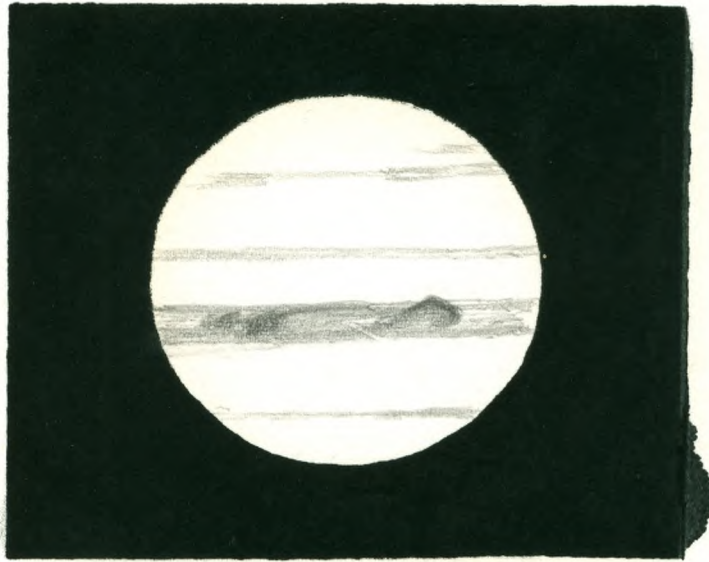
Observer G. Wedge.....

Address 5945 COTE DES NEIGES RD.

Telephone No. KE.1-2142

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date 10-11 JUNE 1959.....

Local Time ... 22:32 E.P.T.....

Universal Time ... 2.32.....

Central Meridian (1) 151°.....

(2) 121°.....

Telescope 6 1/2" REFRACTOR...

Eyepiece 222x.....

Seeing ... FAIR 3.....

Transparency .. FAIR 2.....

Remarks:

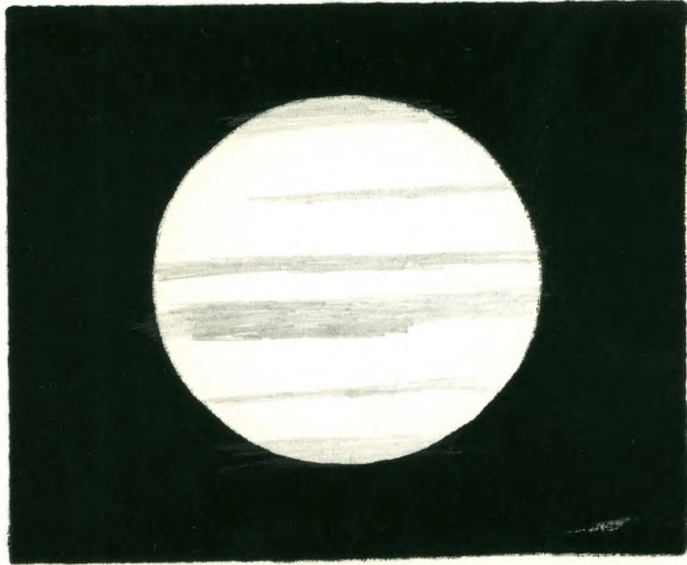
Observer A. Bidard.....

Address .. 6222 DeLORIMIER AVE......

Telephone No. RA-9-0270

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *June 10-11*

Local Time *22:45*

Universal Time *2:45*

Central Meridian (1) *159°*

(2) *129°*

Telescope *6 1/2" refractor*

Eyepiece *222X*

Seeing *5*

Transparency *4*

Remarks:

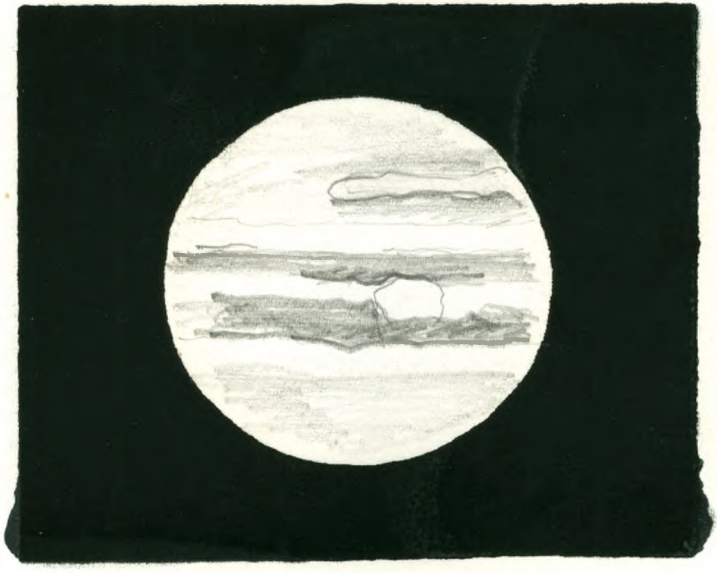
Observer *Donald Barlett*

Address *1680 Fayolle Ave*

Telephone No. *PO-8-2636*

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date ... *June 10/11 1959*

Local Time ... *22:55 EDT*

Universal Time ... *2:55*

Central Meridian (1) ... *165°*

(2) ... *135°*

Telescope ... *6 1/2"*

Eyepiece ... *222X*

Seeing ... *3*

Transparency ... *2*

Remarks:

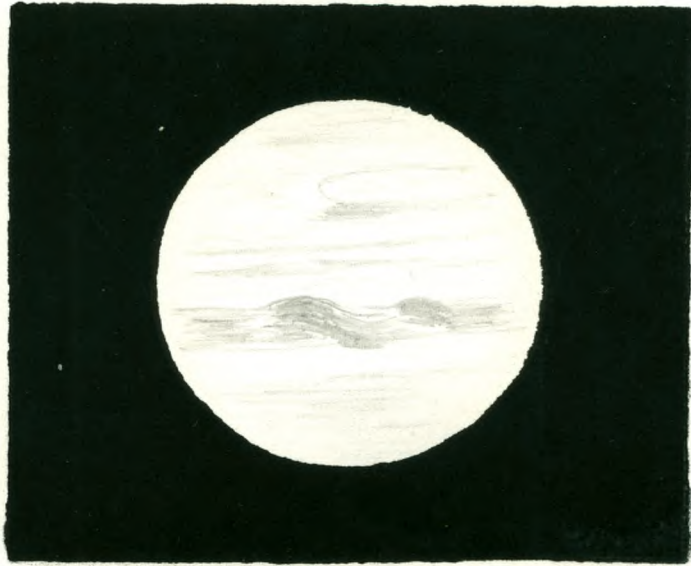
Observer ... *Sidney M. Sundell*

Address ... *3300 Ridgewood Ave*

Telephone No. ... *REgent 7 0246*

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date .. JUNE 16/11 1959.

Local Time .. 23.10 E.D.T....

Universal Time .. 03.10.....

Central Meridian (1) .. 174°.....

(2) .. 144°.....

Telescope .. 6 1/2" REFRACTOR

Eyepiece .. 222X.....

Seeing .. 3.....

Transparency .. 2.....

Remarks: Humps in N.E.B. quite pronounced.

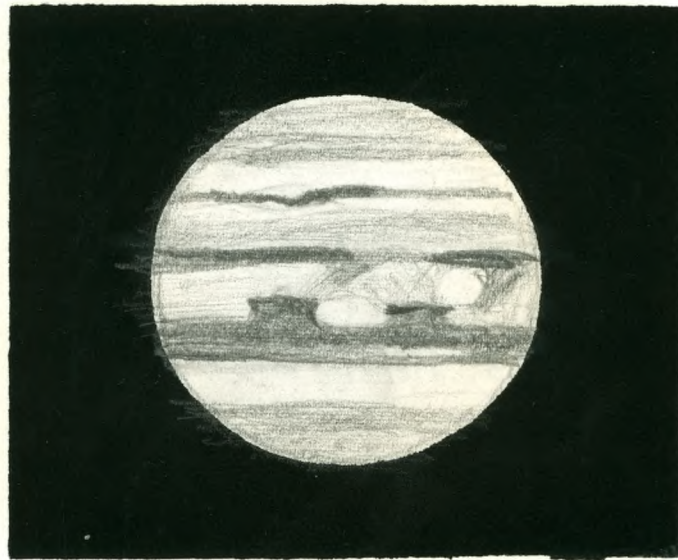
Observer .. I. K. WILLIAMSON.....

Address .. 5162 BELMORE AVE.....

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUNE 10/11, 1959

Local Time 23:20 E.D.T.

Universal Time 3:20 (11)

Central Meridian (1) 180°

(2) 150°

Telescope 6 1/2" REFRACTOR

Eyepiece 222x

Seeing .4

Transparency .4

Remarks:

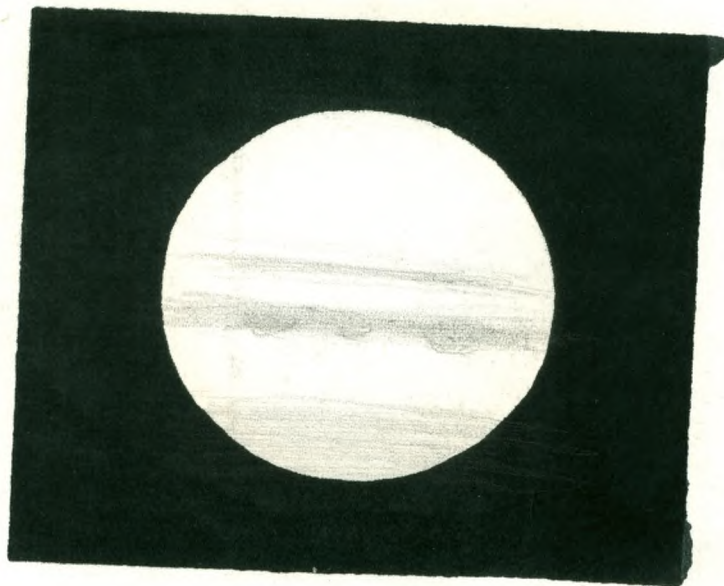
Observer GEOFFREY GAHERTY JR.

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *June 10/11, 1959*..

Local Time ..*00.15*..E.D.T..

Universal Time *04.15*.....

Central Meridian (1) *214°*.....

(2) *184°*.....

Telescope *6" reflector*..

Eyepiece *100x*.....

Seeing *Very good*.....

Transparency *Good*..... ✓

Remarks:

Observer *V. Williams*..

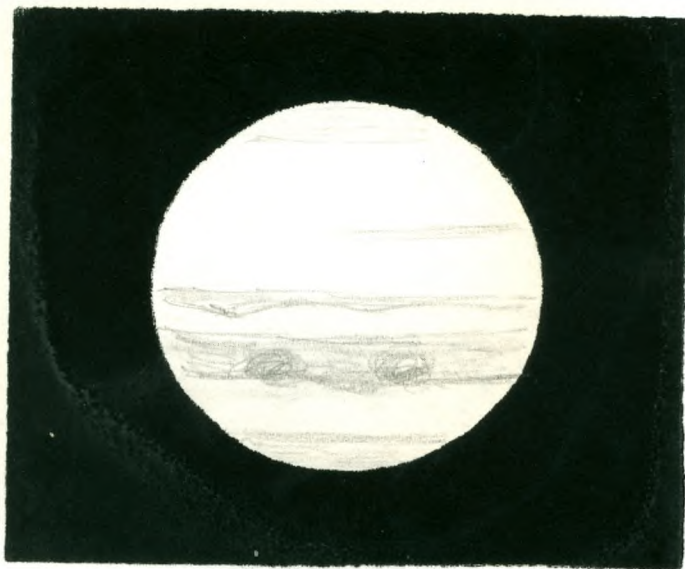
Address *1857 Av. Ard*.....

Telephone No. *CL5-1657*

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS

S



N

~~PLANET~~ Jupiter

Date ..Jup. 11-12 1959.....

Local Time ..02:45 1257.....

Universal Time ..02:45.....

Central Meridian (1) ..317°.....

(2) ..279°.....

Telescope ..3" Refr.....

Eyepiece100x.....

Seeing ..4.....

Transparency2.....

Remarks: Sky somewhat milky

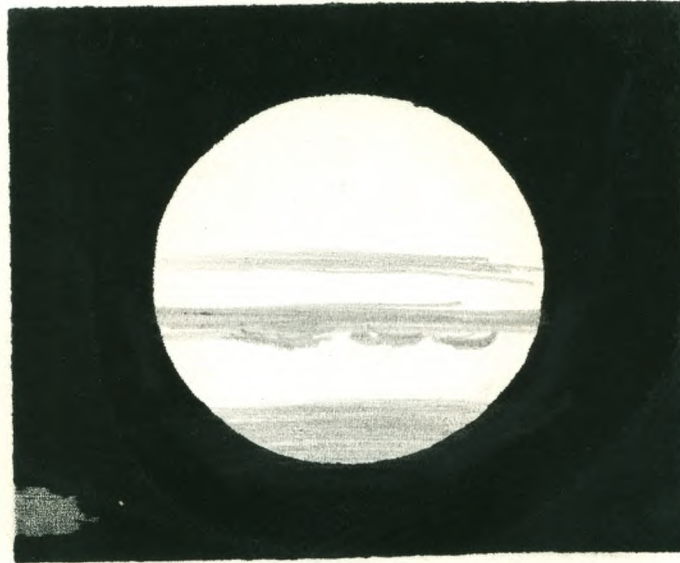
Observer ..K. R. Brasch.....

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET

Jupiter

Date June 20/21, 1959

Local Time 00.25 E.D.T.

Universal Time 04.25

Central Meridian (1) 359°

(2) 253°

Telescope 6" reflector

Eyepiece 200x

Seeing Good

Transparency Good

Remarks:

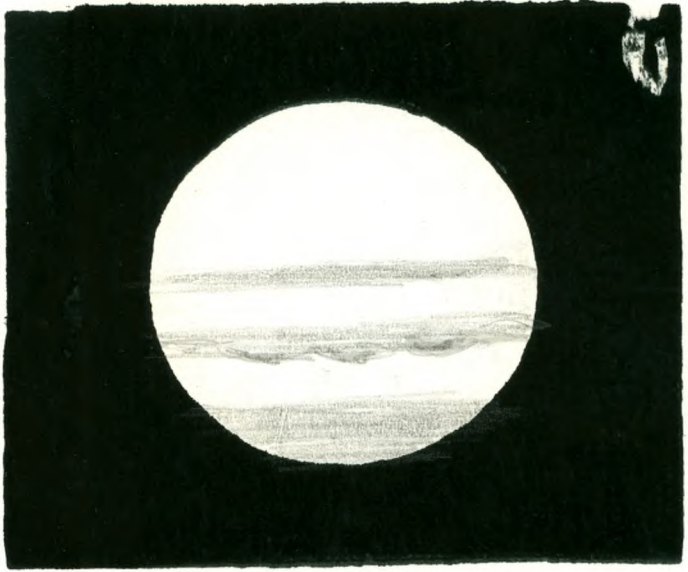
Observer Vic Williams

Address 1857 Lind Ave

Telephone No. CL5-1657

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *June 23/24, 1959*

Local Time *22.45 E.D.T.*

Central Meridian (1) *52°*.....

Telescope *6" reflector*

Seeing *very good*.....

Remarks:

02:45

Universal Time *01.45*.....

(2) *283°*.....

Eye-piece *200X*.....

Transparency *very good*.....

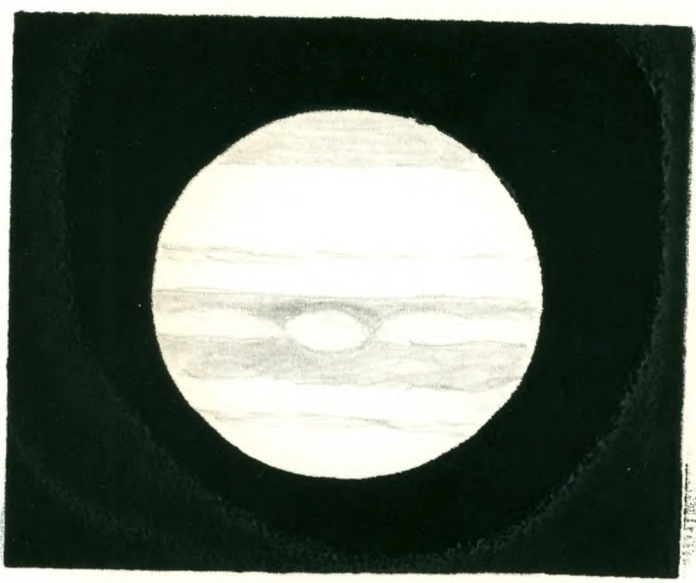
Observer *Vic Williams*.....

Address *1857 Aird Ave.*.....

Telephone No. *CL 5-1657*

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date .. *June 24-25, 1959*

Local Time .. *23:50*

Universal Time .. *03:50*

Central Meridian (1) .. *250°*

(2) .. *113°*

Telescope .. *3" Refr.*

Eyepiece .. *100x*

Seeing .. *6-7 U. Good*

Transparency .. *4*

Remarks: *Yellow filter used.*

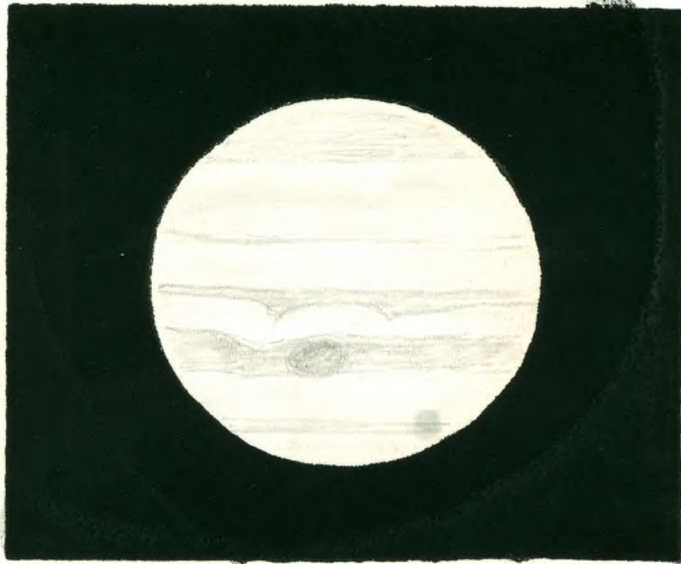
Observer .. *K. R. Brasch*

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter.....

Date 30 June - 1 July 59.....

Local Time 22:00 DST.....

Universal Time 0200.....

Central Meridian (1) 50°.....

(2) 228°.....

Telescope 3" Refr.....

Eyeiece 100x.....

Seeing 5-6.....

Transparency 3-4.....

Remarks: yellow filter

Observer K. R. Brasch.....

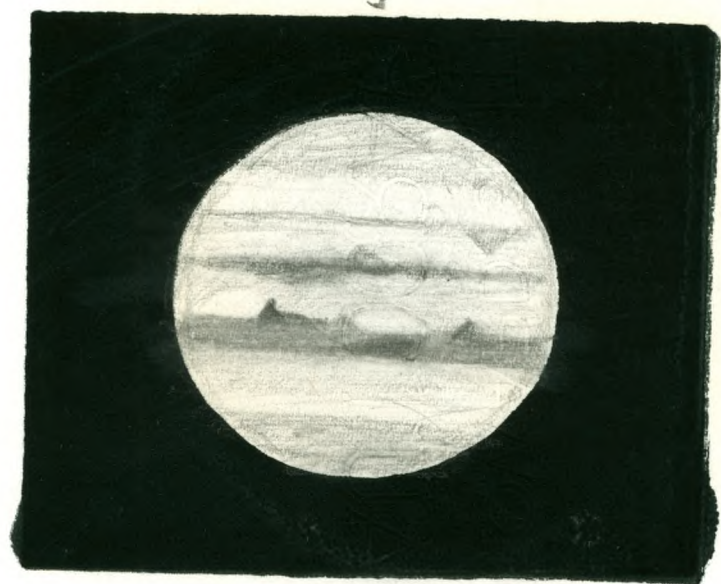
Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS

S



N

PLANET JUPITER

Date JULY 3/4 1959

Local Time 21:15 E.D.T.

Universal Time 01:15 (4)

Central Meridian (1) 136°

(2) 292°

Telescope 8" REFLECTOR (CAVE)

Eyeiece 24X

Seeing 2

Transparency 3 (Shy light)

Remarks: *Difficultly encountered with watermark on paper. Drawing slightly retouched to even out shading over watermark letters. (Retouching done within 5 min. of finish of drawing)*

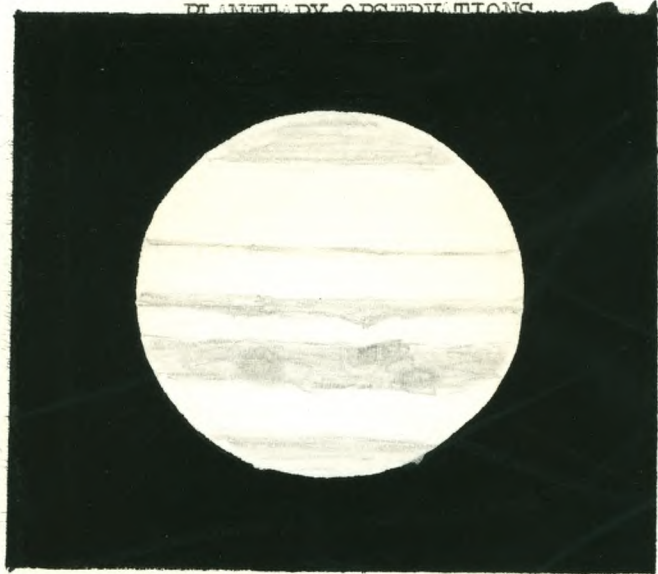
Observer G. GAHERTY, JR.

Address

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter

Date 3-4 July 59

Local Time 2145

Universal Time 0145

Central Meridian (1) 155°

(2) 310°

Telescope 3" Refr

Eyepiece 100x

Seeing 5

Transparency 2

Remarks: yellow filter

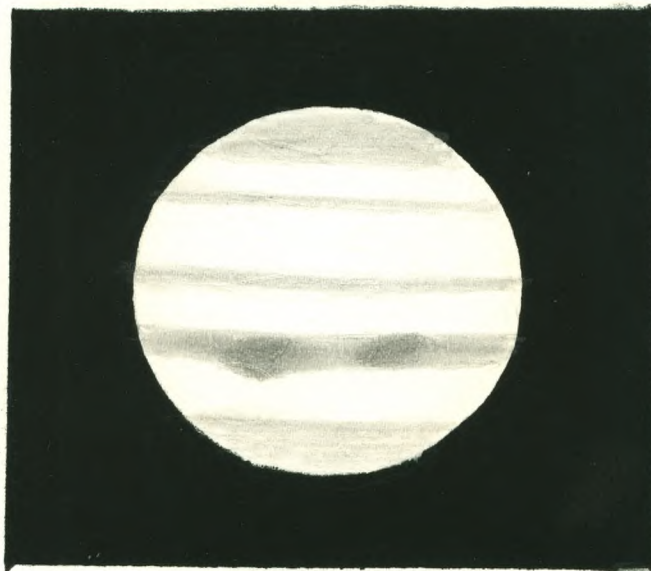
Observer K. Braschi

Address

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date .. JULY 3/4 1959

Local Time .. 22:12 EDT

Universal Time .. 02:12

Central Meridian (1) .. ~~171°~~ 171°

(2) .. 326°

Telescope .. 3" REFRACTOR

Eyepiece .. 100X

Seeing .. 4

Transparency .. 2

Remarks:

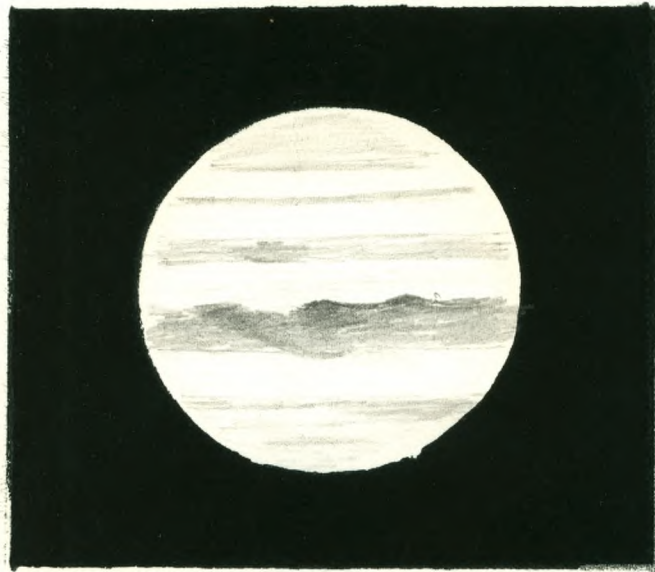
Observer .. G. Papacomas

Address .. 3260 Barclay apt 11

Telephone No. .. RE-3-6902

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUL. 3/4 1959

Local Time 22.45 E.D.T.

Universal Time 02:45 (4)

Central Meridian (1) 191°

(2) 346°

Telescope 80mm

Eyepiece 17.3X

Seeing 4

Transparency 3

Remarks:

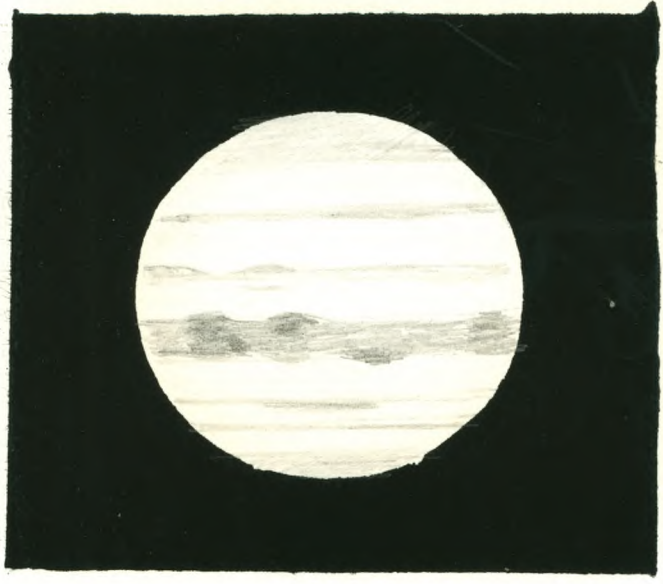
Observer J.K.WILLIAMSON

Address 5162 BELMORE AVE

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUL 7/8 1959.....

Local Time 22.00 E.D.T.....

Universal Time 02.00.....

Central Meridian (1) 75°.....

(2) 200°.....

Telescope 80mm Refractor.....

Eyepiece 173X.....

Seeing 2.....

Transparency 2.....

Remarks: *Suggestions of ripples in SEB
Definite dark areas in NEB but only visible for
fleeting instants due to poor seeing.*

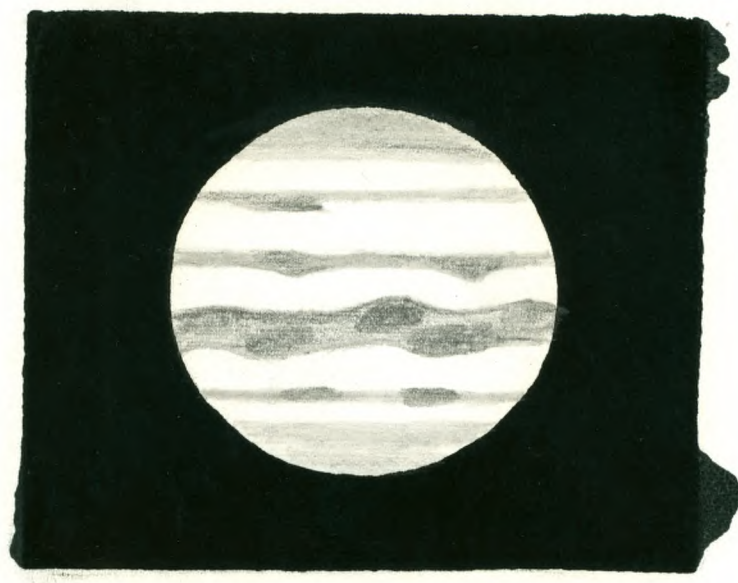
Observer I. K. WILLIAMSON.....

Address 5162 BELMORE AVE......

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *JUPITER*

Date *JULY 7/8, 1959*

Local Time *23:15 EDT*

Universal Time *03:15*

Central Meridian (1) *121°*

(2) *245°*

Telescope *8" REFLECTOR (CAVE)*

Eyepiece *264X*

Seeing *4*

Transparency *2*

Remarks:

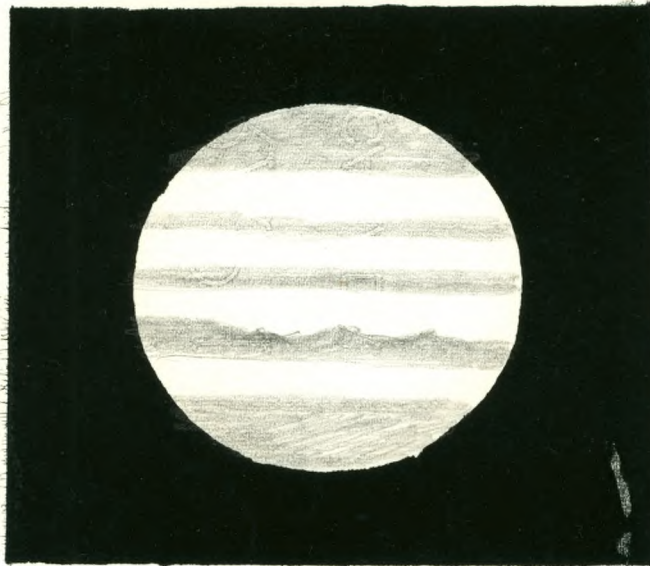
Observer *Constantine Papacosmas*

Address *3260 Barclay, apt 11.*

Telephone No. *RE-36902*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JULY 8/9, 1959.....

Local Time 21.25.....

Universal Time 1.25.....

Central Meridian (1) 24.212°.....

(2) 263.329°.....

Telescope 6 1/2" REFRA.....

Eyeiece 220X.....

Seeing FAIR.....

Transparency FAIR.....

Remarks: TELESCOPE VIBRATES

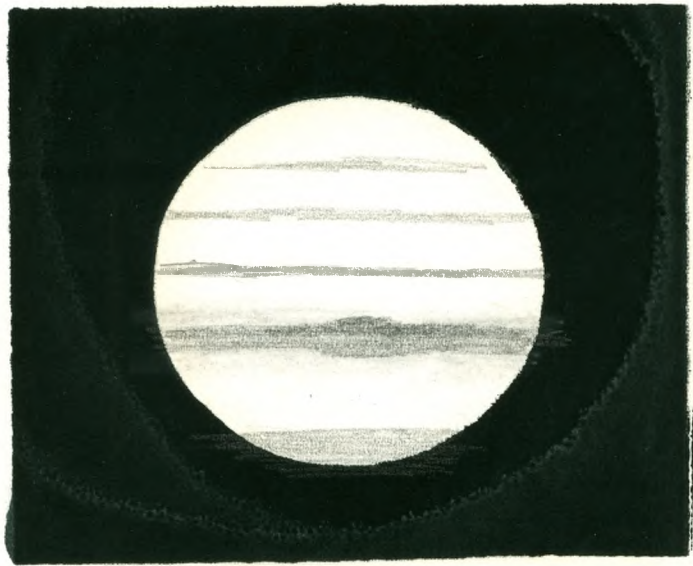
Observer S. Downing.....

Address 943 ST GEORGE.....

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 8-9, 1959*

Local Time *21:30*

Universal Time *01:30*

Central Meridian (1) *215°*

(2) *332°*

Telescope *6 1/2" refrac.*

Eyeiece *222X*

Seeing *Fair*

Transparency *Fair*

Remarks:

Observer *Donald Bartlett*

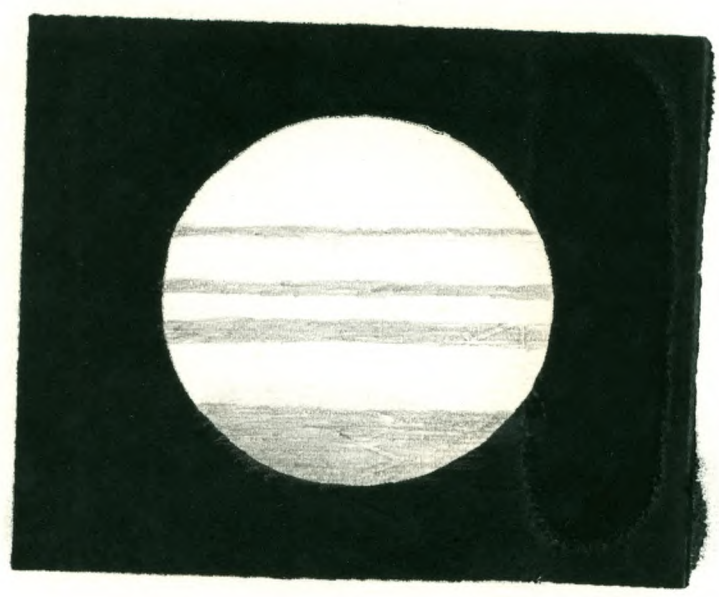
Address *1680 Fayolle*

Telephone No. *PO-8-2636*

Royal Astronomical Society of Canada
Montreal Centre

①

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *July 8/9, 1959*.....

Local Time *21:45 E.D.T.*....

Universal Time *1:45*.....

Central Meridian (1) *224°*.....

(2) *341°*.....

Telescope *6 1/2" Refractor*

Eye-piece *222X*.....

Seeing *3*.....

Transparency *3*.....

Remarks:

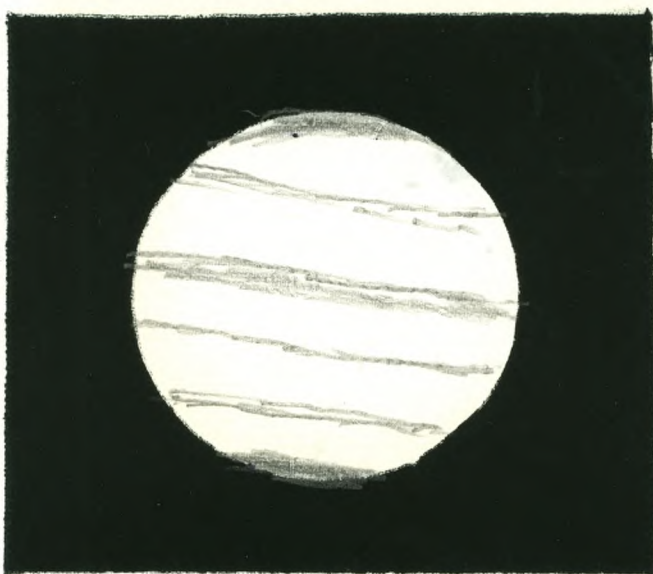
Observer *Milan Ilnat*.....

Address *2004 St. Dominique*.....

Telephone No. *V.I. 9-3148*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 8th 1959*

Local Time *21.50*

Universal Time *1.50*

Central Meridian (1) *227°*

(2) *344°*

Telescope *6 1/2" Refractor*

Eyepiece *222x*

Seeing *Fair*

Transparency *Fair*

Remarks:

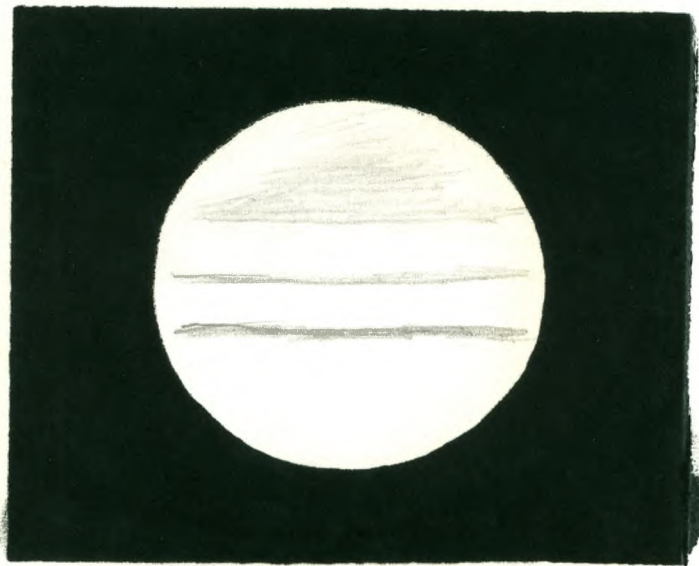
Observer *Les Dralet*

Address *241 Clark Avenue*

Telephone No. *WE5-1662*

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *July 8/9 1959*..

Local Time *21:55 E.D.T.*.....

Universal Time *1 hour 55 minutes*.....

Central Meridian (1) *230°*.....

(2) *347°*.....

Telescope *6'2" Refractor*

Eyepiece *22x*.....

Seeing *3*.....

Transparency *3*.....

Remarks:

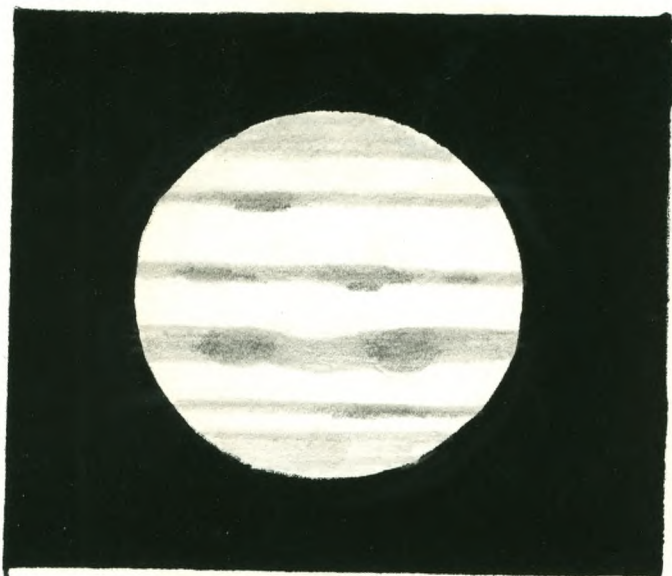
Observer *Joyce Musgrave*.....

Address *3550 Lorne Ave. apt. 3.*

Telephone No. *V.1.5-8418*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JULY 8/9 1959

Local Time 22:10 EDT

Universal Time 02:10

Central Meridian (1) 239°

(2) 356°

Telescope 6 1/2" REFRACTOR

Eyepiece 222X

Seeing 4

Transparency 3

Remarks:

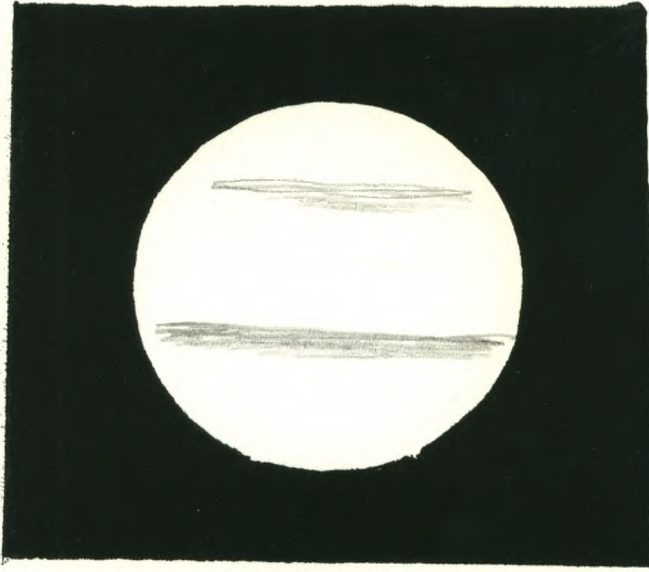
Observer Constantine Papacosmas

Address

Telephone No. RE-3-6902

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 8/1959*

Local Time *22:20* ~~20:20~~ *EDT*

Universal Time *02:20*

Central Meridian (1) *245°*

(2) *2°*

Telescope *5" Reflector*

Eyeiece *80*

Seeing *3*

Transparency *good*

Remarks:

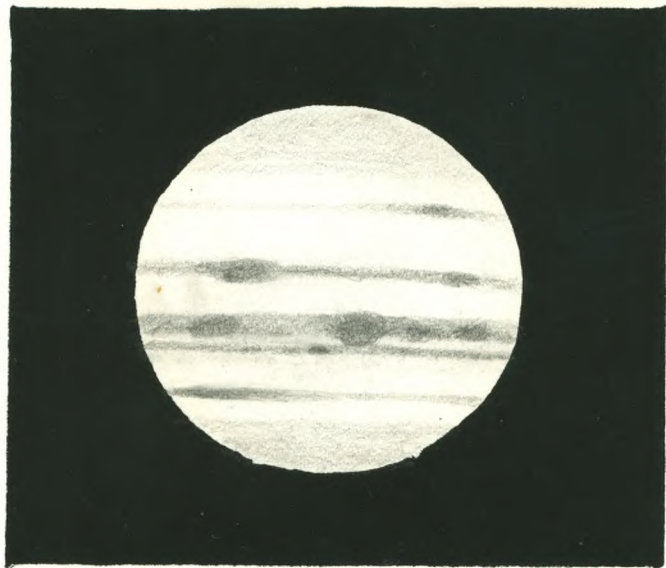
Observer *Mrs. D. Zargo*

Address *10133 Colborne Ave.*

Telephone No. *Du. 9-9873*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUNE 11/12, 1959 ?

Local Time 22:10 EDT

Universal Time 02:10

Central Meridian (1) 353°

(2) 87°

Telescope 6 1/2" REFRACTOR

Eyepiece 222X

Seeing 3

Transparency 2

Remarks:

Observer Constantine Papacosmas

Address

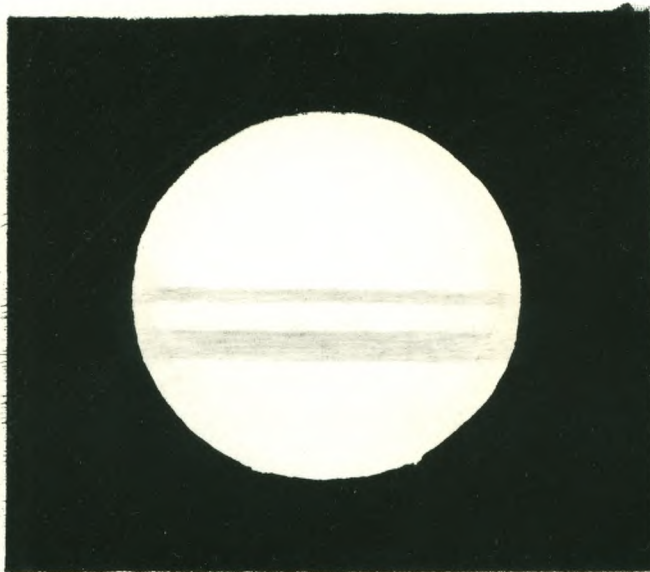
Telephone No. RE-3-6902

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS

(2)

(2)



PLANET *Jupiter*.....

Date *July 11/12 1959.*

Local Time *23:40 EDT.*

Universal Time *3:40 U.T.*

Central Meridian (1) *48°*.....

(2) *141°*.....

Telescope *2" Refractor*

Eye-piece *140X*

Seeing *Good*

Transparency *Good*

Remarks: *Pay no attention to mark (vertical streak) on right hand side.*

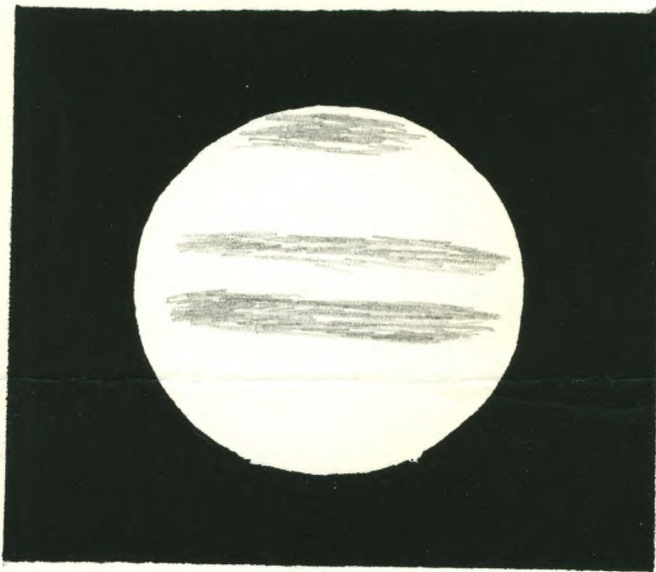
Observer *Milan Ihnat.*

Address *2004 St. Dominique*

Telephone No. *V.I. 9-3148*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 13/14 1959*

Local Time *11:25 23:25*

Universal Time *03:25*

Central Meridian (1) *354°*

(2) *72°*

Telescope *5" REFLECTOR*

Eyepiece *20*

Seeing *3*

Transparency *good*

Remarks:

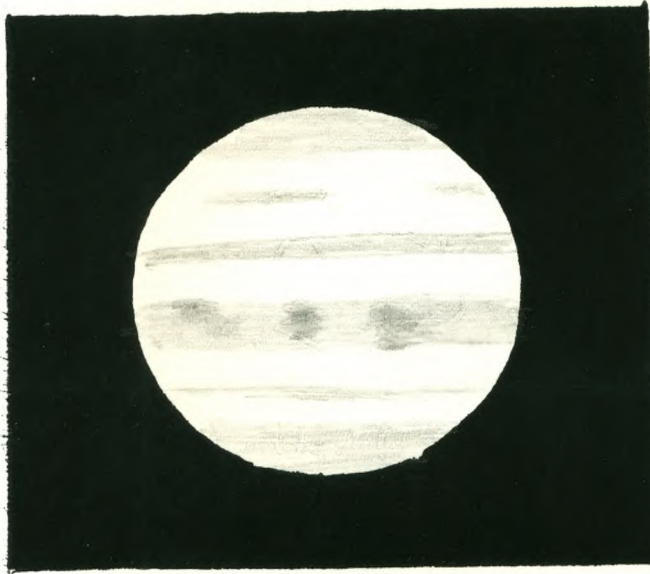
Observer *Mrs. D. Zargo*

Address *10133 Cabanac Ave.*

Telephone No. *Du. 9-9873*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date JUL 13/14 1959.....

Local Time 23:30 E.D.T.....

Universal Time 03:30.....

Central Meridian (1) 357°.....

(2) 75°.....

Telescope 80mm Refractor.....

Eyepiece 17.3x.....

Seeing 3.....

Transparency 3.....

Remarks:

Observer J. K. WILLIAMSON.....

Address 5162 BELMORE AVE.....

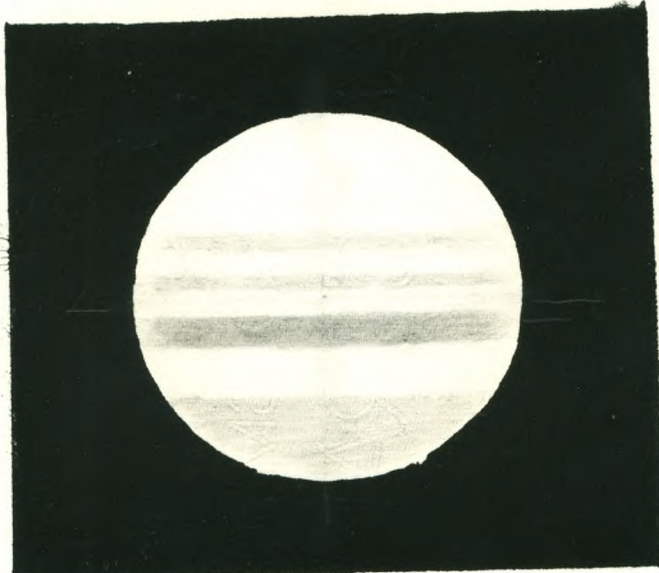
Telephone No. HU. 6-1218.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS

S

(3)



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E

PLANET ^N JUPITER

Date July 15/16 1959

Local Time 22:41 E.D.T.

Universal Time 2:41 U.T.

Central Meridian (1) 283°

(2) 346°

Telescope 2" Refractor

Eyepiece 140X

Seeing Good

Transparency Good

Remarks: Large band was quite dark, and also possessed some darker spots which, thru this telescope were not too clearly visible. Band at south was very light in colour.

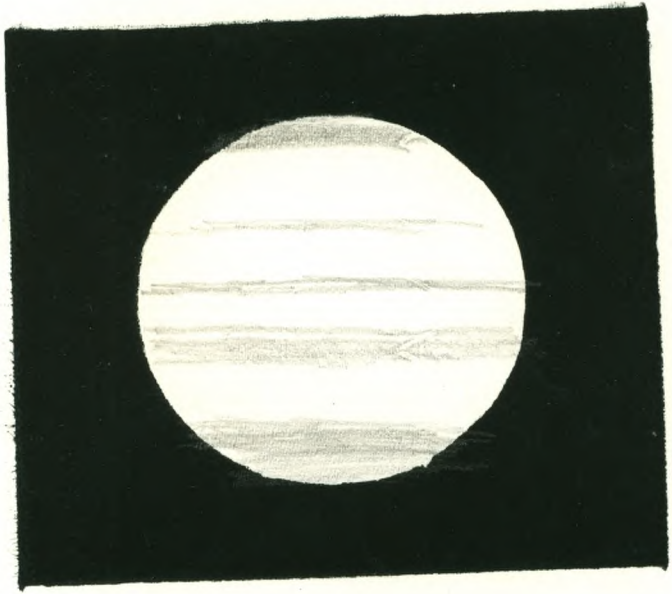
Observer Milan Zhnat

Address 2004 St. Reminigue St.

Telephone No. V.I. 9-3148

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter

Date July 15-16 1959

Local Time 2300

Universal Time 0300

Central Meridian (1) 295°

(2) 358°

Telescope 4" refractor (Downd)

Eyepiece 180X

Seeing 3

Transparency 3

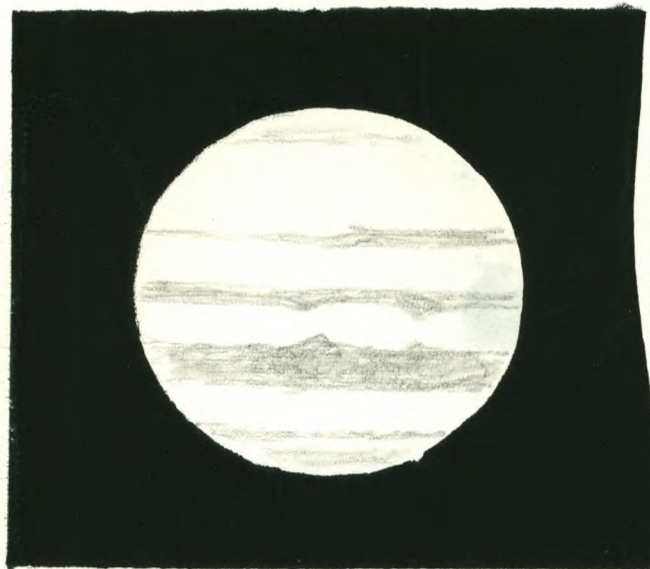
Remarks:

Observer Donald Bowler

Address 1680 Faoyolle

Telephone No. PO-8-2636

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre



PLANET ..Jupiter.....

Date ...July...16-17, 1959.....

Local Time21.40.....

Universal Time01.40.....

Central Meridian (1) ..~~244~~°.....

(2) ..100°.....

Telescope ...3" Refract.....

Eye-piece100x.....

Seeing ...6-1 V. Good....

Transparency4-5.....

Remarks: Yellow filter used
 Transparency was exceptionally good

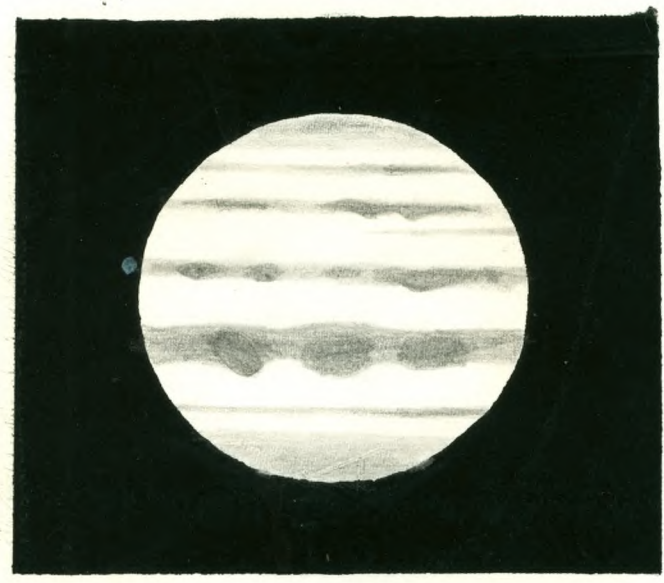
Observer ..K. D. Brasch.....

Address

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JULY 16/17 1959

Local Time 23:41 EDT

Universal Time 03:41

Central Meridian (1) 117°

(2) 173°

Telescope 8" REFLECTOR (CAVE)

Eyepiece 264X

Seeing 5

Transparency 3

Remarks:

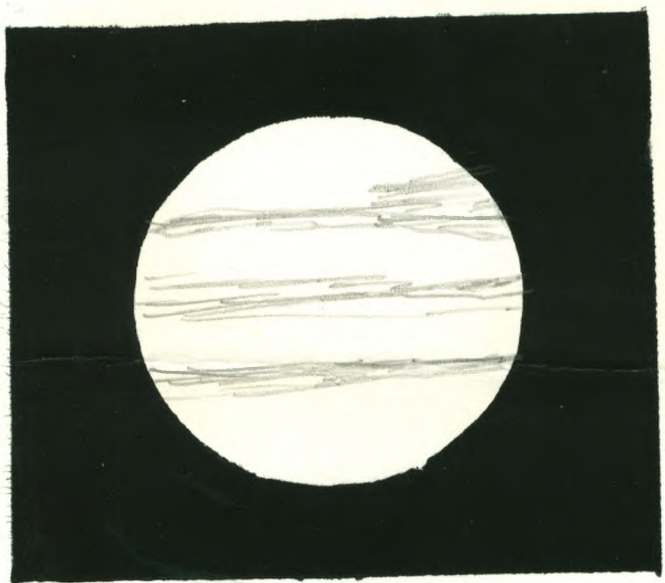
Observer Constantine Papacosmas

Address

Telephone No. RE-3-6902

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *July 17-18, 1959*.....

Local Time *20:15 (21:15)*.....

Universal Time *01:15*.....

Central Meridian (1) *186°*.....

(2) *235°*.....

Telescope *4 1/4" Refractor Telescope*.....

Eyepiece *57*.....

Seeing *fair*.....

Transparency *Good*.....

Remarks: *☉*

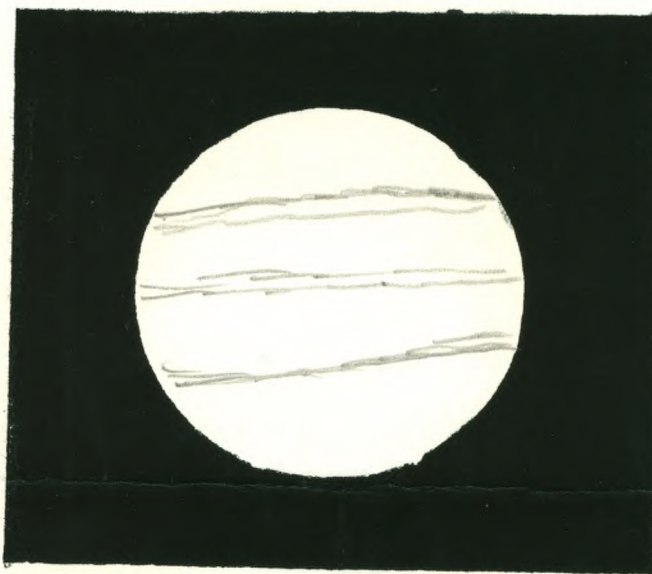
Observer *L. S. Inghel*.....

Address *241 Clarke Ave*.....

Telephone No. *WE 5-1662*.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 17-18, 1959*
Local Time ~~20:25~~ *(21:25)*
Central Meridian (1) *192°*
Telescope *4 1/4" Refractor*
Seeing *Fair*
Remarks:

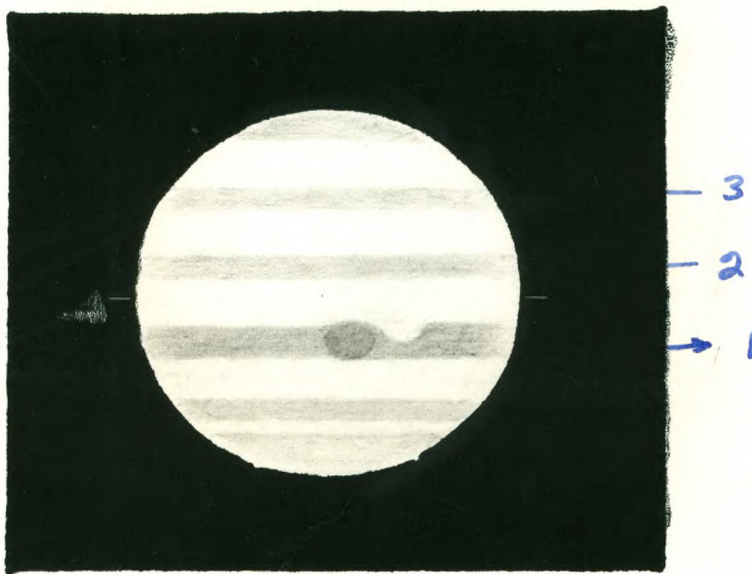
Universal Time *01:25*
(2) *241°*
Eyepiece *57*
Transparency *Fair*

Observer *John Drake*
Address *241 Clarke Avenue*

Telephone No. *WE5-1662*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET ... *Jupiter* ...

Date ... *July 19/20 1959*

Local Time ... *21:43 EDT* ...

Universal Time ... *1:43 U.T.* ...

Central Meridian (1) ... *159°* ...

(2) ... *192°* ...

Telescope ... *2" Refractor*

Eyepiece ... *140x*

Seeing ... *V.G.*

Transparency ... *fair*

Remarks: *Bands 1, 2, 3 decrease in darkness in that order.*

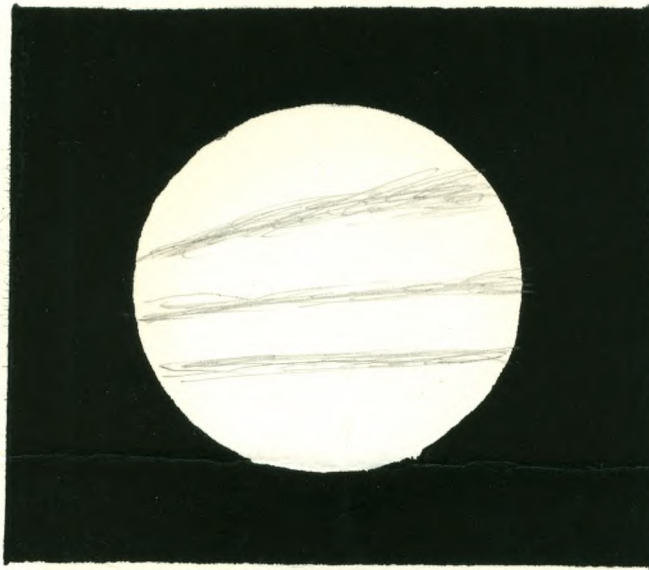
Observer ... *Milan Zhnat*

Address ... *2004 St. Dominique*

Telephone No. ... *V.I. 9-3148*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 21-22nd 1959*

Local Time *21.00*

Universal Time

Central Meridian (1) *88°*

(2) *106°*

Telescope *4 1/4" REFRACTOR*

Eyepiece *57 Power*

Seeing *Fair*

Transparency

Remarks:

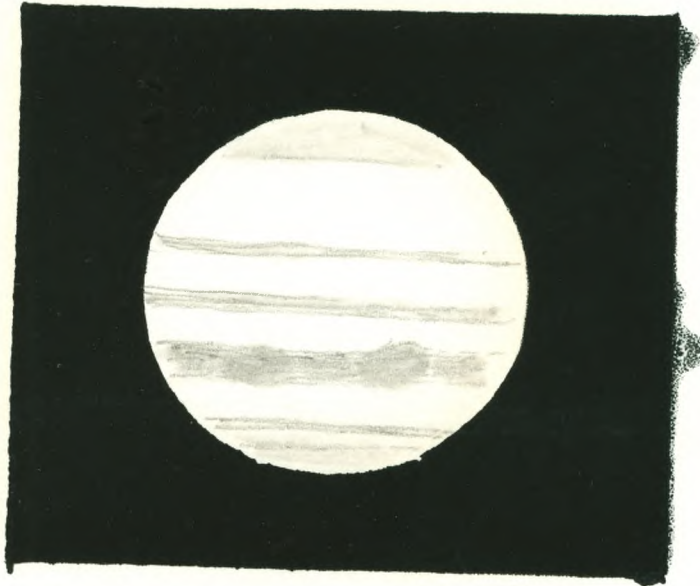
Observer *A. D. D. D.*

Address *241 Clark Avenue*

Telephone No. *WE-5-1662*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET .. Jupiter

Date 21st July 1959

Local Time 21¹⁵

Universal Time .. 0115

Central Meridian (1) .. 98°

(2) .. 115°

Telescope .. 3" Refrac

Eyepiece 100x

Seeing 3-4

Transparency 3

Remarks:

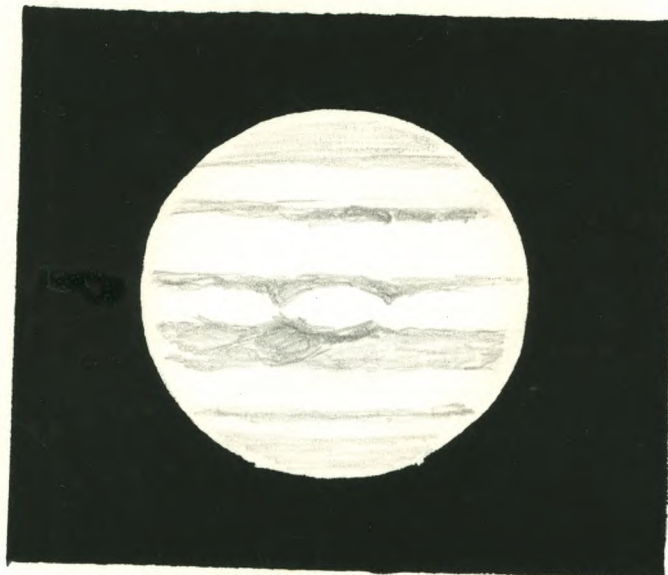
Observer .. K.R. Brasch

Address

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date .. *July 22nd / 59*.....

Local Time .. *21.35*.....

Universal Time *01.35*.....

Central Meridian (1) *268°*.....

(2) *278°*.....

Telescope .. *6 1/2" Refr.*.....

Eyepiece .. *222x - 133x*.....

Seeing .. *4*.....

Transparency .. *3*.....

Remarks:

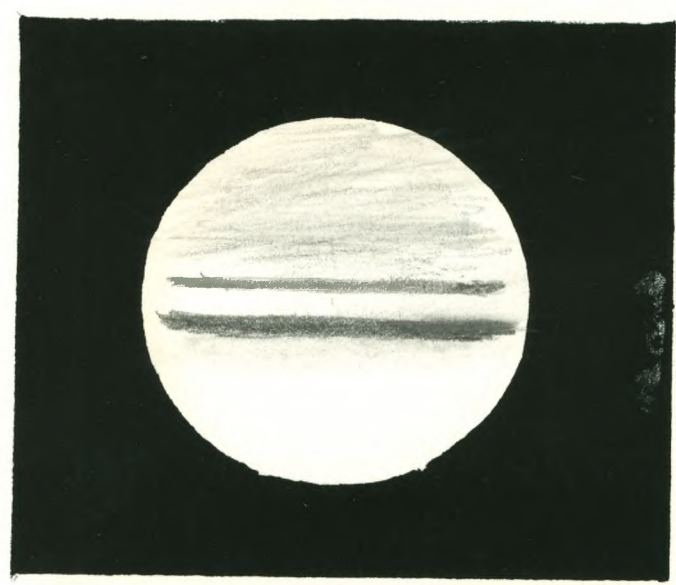
Observer .. *K. R. Brasch*.....

Address ..

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*

Date *July 22nd / 23rd*

Local Time *21:47 EDT*

Central Meridian (1) *275°*

Telescope *6 1/2" Refractor*

Seeing *Fair*

Remarks:

Universal Time *1:47*

(2) *285°*

Eyepiece *133*

Transparency *Hazy*

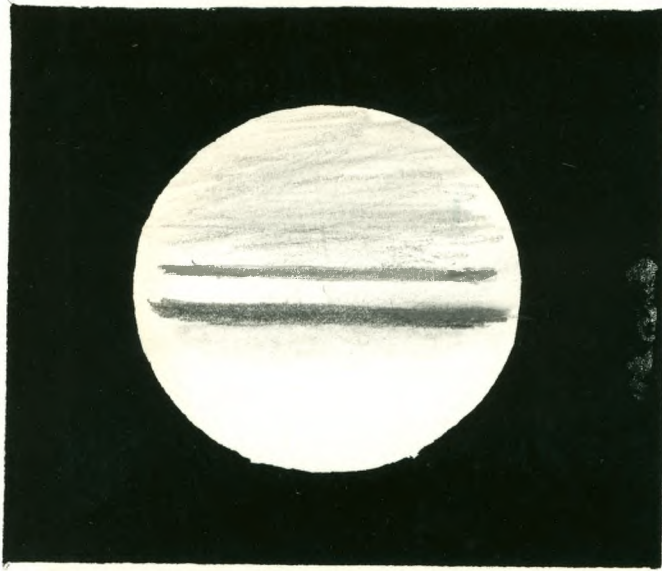
Observer *Joyce Musgrave*

Address *3350 Lorne Ave, apt 3*

Telephone No. *V1-5-8418*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET Jupiter

Date July 22nd / 23rd

Local Time 21:47 EDT

Universal Time 1:47

Central Meridian (1) 275°

(2) 285°

Telescope 6 1/2" Refractor

Eyepiece 133

Seeing Fair

Transparency Hazy

Remarks:

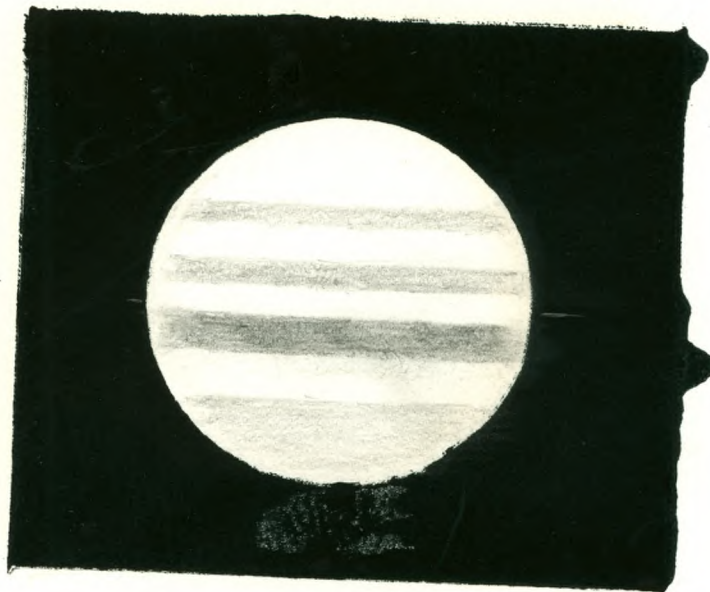
Observer Joyce Musgrave

Address 3350 Lorne Ave, apt 3

Telephone No. V1-5-8418

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET .. *Jupiter*

Date .. *July 22/23 1959*

Local Time .. *22:35 EDT*

Universal Time .. *2:35*

Central Meridian (1) .. *304°*

(2) .. *314°*

Telescope .. *4.25" Refractor (Jovian)*

..... Eyepiece .. *180X*

Seeing .. *fair*

..... Transparency .. *fair*

Remarks: *Can't be sure of having seen south polar region, therefore did not include it.*

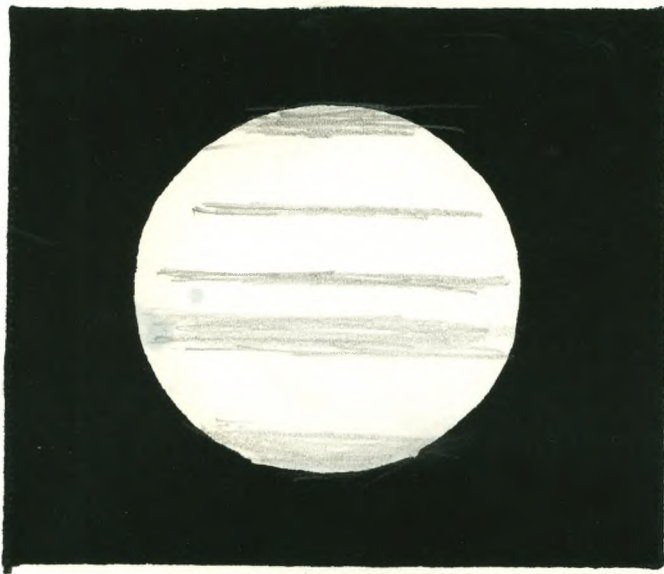
Observer .. *Milan Zhnat*

Address .. *2804 St. Dominique*

Telephone No. .. *V.I. 9-3148*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *Jupiter*.....

Date *July 22-23*.....

Local Time *22:50*.....

Universal Time *02:50*.....

Central Meridian (1) *313°*.....

(2) *328°*.....

Telescope *4" refractor (Townsend)*.....

Eyepiece *180 X*.....

Seeing *2*.....

Transparency *2*.....

Remarks:

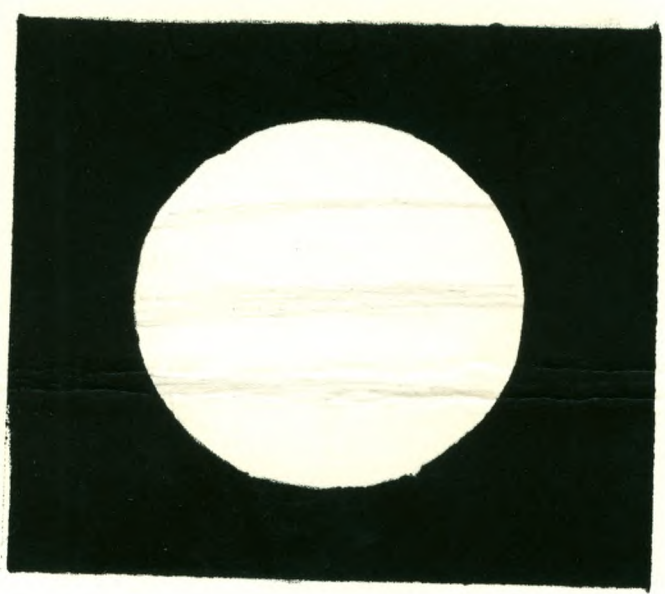
Observer *Donald Bailett*.....

Address *1680 Fayolle*.....

Telephone No. *PO-8-2636*.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date July 27/28-1959

Local Time 20:45

Universal Time

Central Meridian (1)

(2)

Telescope 4 1/4" Refractor

Eyepiece 57

Seeing Good

Transparency

Remarks:

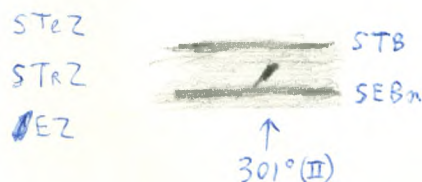
Observer L. L. Drolet

Address 241 Clark Avenue

Telephone No WE-5-1662

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JULY 27/28, 1959

Local Time 21:22 E.D.T.

Universal Time 01:22

Central Meridian (1)

(2) 301

Telescope 8" CAVE REFLECTOR

Eyepiece 240

Seeing 3

Transparency 3

Remarks: *Detail of small elongated dark spot in STeZ drawn from memory, August 8, 1959. At moments of good seeing, spot seemed to be joined to SEBn by grey wisps. See transit #93*

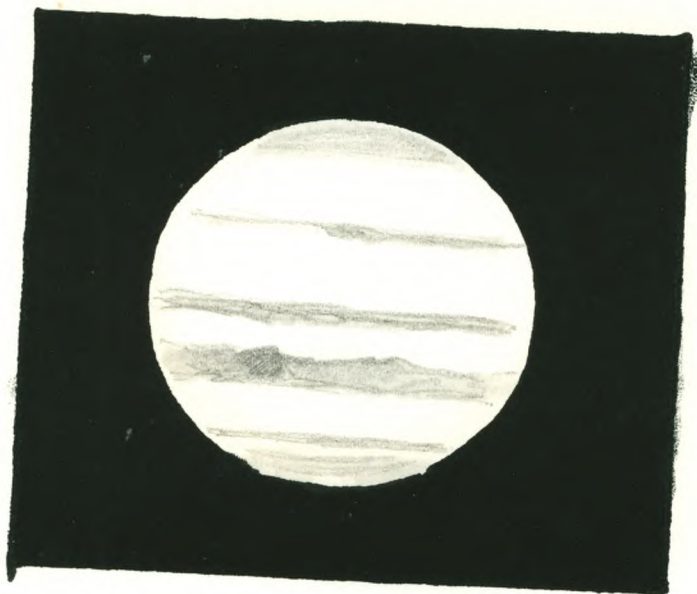
Observer G. GAHERTY, JR.

Address

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET ... *Jupiter* ...

Date ... *July 27th / 59* ...

Local Time ... *21:30* ...

Universal Time ... *01:30* ...

Central Meridian (1) ... *334°* ...

(2) ... *306°* ...

Telescope ... *3" Refrac.* ...

Eyepiece ... *100x* ...

Seeing ... *5* ...

Transparency ... *3* ...

Remarks: *Yellow filter used*

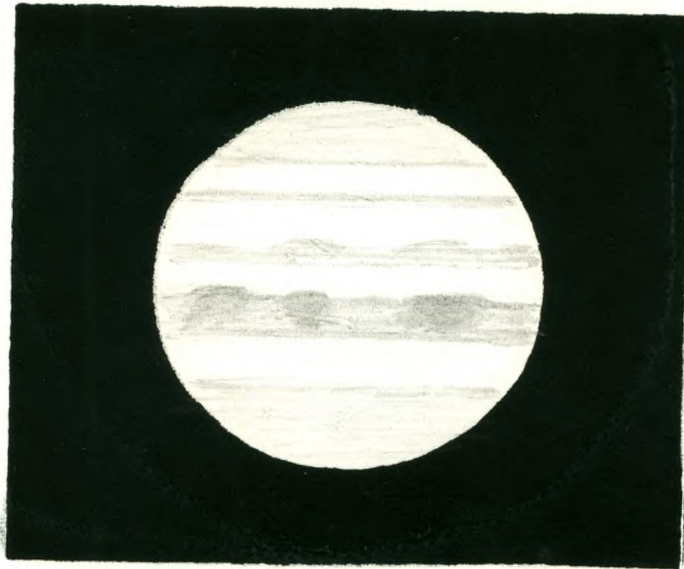
Observer ... *K. R. Brasch* ...

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JUL 27/28 1959

Local Time 22.30 E.D.T.

Universal Time

Central Meridian (1) 10.8

(2) 342.8

Telescope 80mm. refractor

Eyepiece 173X

Seeing 3

Transparency 3

Remarks:

Observer I. K. WILLIAMSON

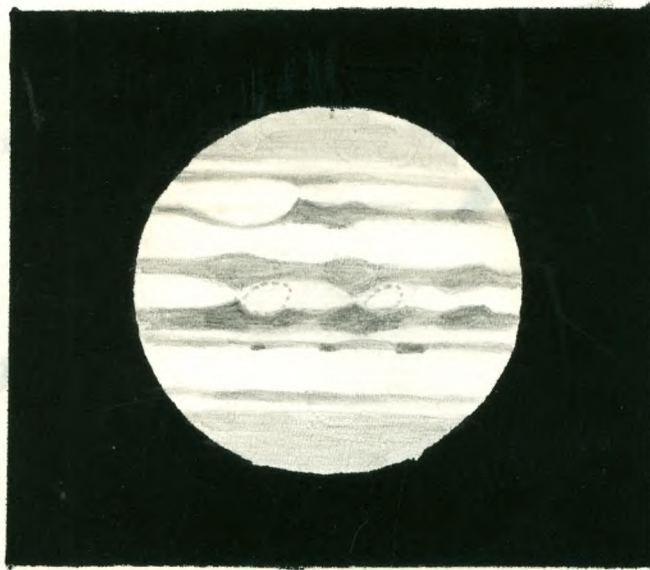
Address 5162 BELMORE AVE

MONTREAL, QUE.

Telephone No. HU. 4-1218

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JULY 28/29, 1959

Local Time 22:20

Universal Time 02:20

Central Meridian (1) 162.8

(2) 126.8

Telescope 8" REFLECTOR (CAVE)

Eyepiece 264X

Seeing 4

Transparency 3

Remarks:

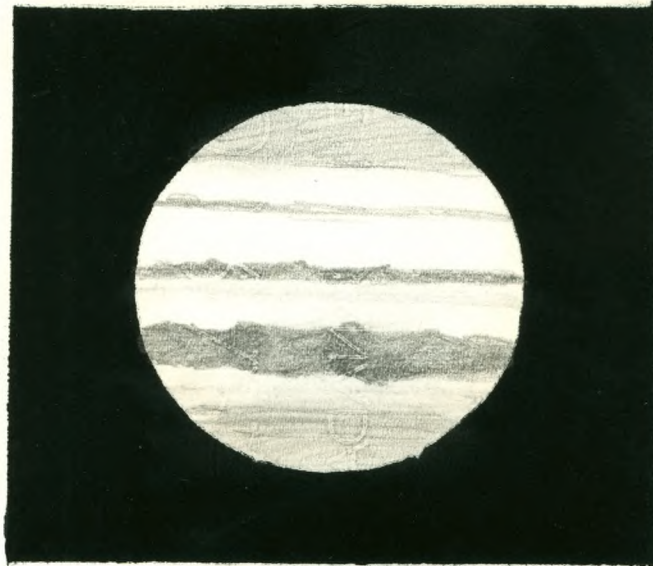
Observer Constantine Papacosmas

Address

Telephone No. RE-3-6902

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date JULY 29/30/59

Local Time 21.07

Universal Time 1.07

Central Meridian (1) 275°

(2) 232°

Telescope 6 1/2 REF.

Eyepiece 13 3x

Seeing GOOD

Transparency CLEAR

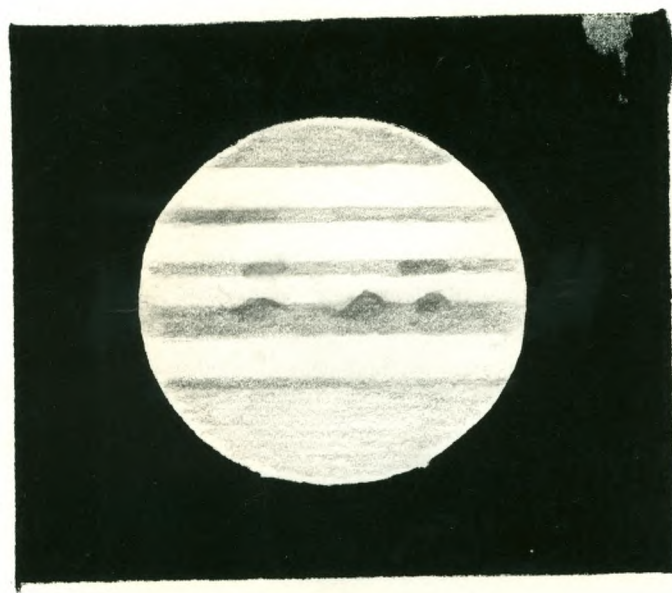
Remarks:

Observer S. DOWNING

Address 943 ST GEORGE ST

Telephone No.

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre
S
PLANETARY OBSERVATIONS



W

E

N

PLANET *Jupiter*.....

Date *July 29/30 1959*.....

Local Time *21:16 E.O.T*.....

Universal Time *1:16 U.T.*.....

Central Meridian (1) *281°*.....

(2) *237°*.....

Telescope *6.5" Refractor*

Eye-piece *13.3 X*.....

Seeing *Good*.....

Transparency *Good*.....

Remarks: *Middle projection on N equatorial belt seemed to be more pointed. Other belts had darkenings.*

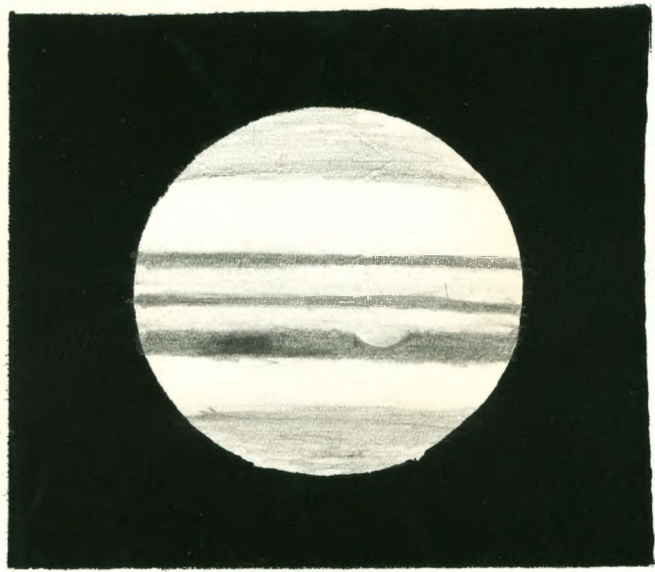
Observer *Milan Ihnat.*

Address *2004 St. Dominique St.*

Telephone No. *V.I. 9-3148*

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *JUPITER*.....

Date *JULY 29/30 1959*.....

Local Time *21:40*..... *E.D.T.*.....

Universal Time *0140*.....

Central Meridian (1) *295°*.....

(2) *252°*.....

Telescope *4" TOWNSEND REFRACTOR*.....

Eyepiece *180X*.....

Seeing *FAIR 3*.....

Transparency *POOR*.....

Remarks:

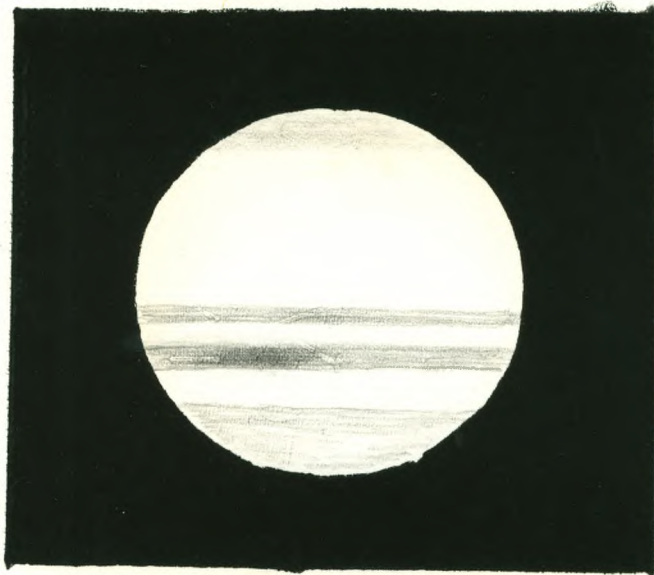
Observer *G. Wedge*.....

Address *Same*.....

Telephone No. *Same*.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET .JUPITER.....

Date ... July 29/30, 1959

Local Time ... 22:12 E.D.T.

Universal Time ... 02:12

Central Meridian (1) ... 315°

(2) ... 271°

Telescope ... 11 cm. ZEISS REFRACTOR (Jovanov)

Eyepiece ... 180x

Seeing ... POOR

Transparency ... POOR

Remarks: DUE TO THE VERY POOR SEEING CONDITIONS, THE ABOVE
MARKINGS WERE THE ONLY ONES I COULD SEE.

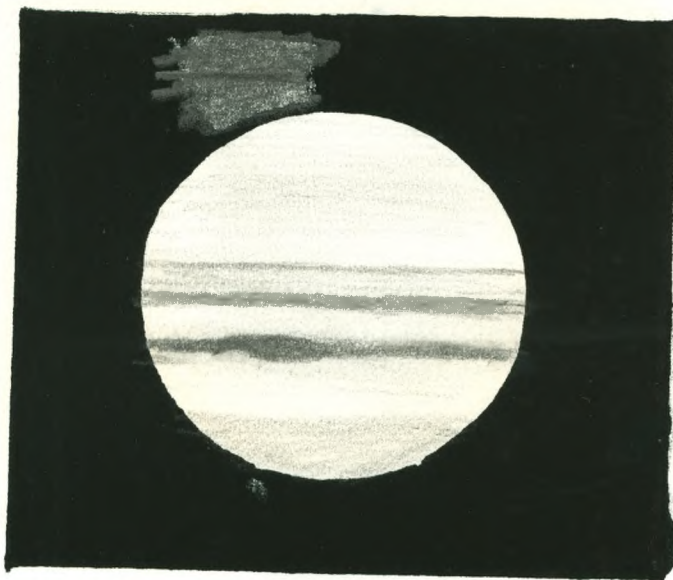
Observer ... G. Bedard

Address ... 6222 DEHORIMIER

Telephone No. ... R.A.-9-0370

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *JUPITER*.....

Date ...*JULY 29/30 1959*.....

Local Time ...*22:25 EDT*.....

Universal Time ...*02:25*.....

Central Meridian (1) ...*323°*.....

(2) ...*279°*.....

Telescope ...*4" TOWNSEND REFRACTOR*.....

Eye piece ...*180x*.....

Seeing ...*FAIR*.....

Transparency ...*POOR*.....

Remarks:

Observer ...*G. Wedge*.....

Address ...*Same*.....

Telephone No. ...*Same*.....

ROYAL ASTRONOMICAL SOCIETY OF CANADA
Montreal Centre

PLANETARY OBSERVATIONS



PLANET *JUPITER*.....

Date *August 21/3 59*.....

Local Time *21:15*.....

Universal Time *01:15*.....

Central Meridian (1) *191°*.....

(2) *118°*.....

Telescope *8 inch Reflector*.....

Eyepiece *300x*.....

Seeing *3*.....

Transparency *2-3*.....

Remarks: *Shadow of I on disk.*

Observer *K.B. Branch*.....

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER.....

Date AUGUST 7/8, 1959.....

Local Time 21:30 E.D.T......

Universal Time 01:30.....

Central Meridian (1) 269°.....

(2) 157°.....

Telescope 8" REFLECTOR (CAVE).....

Eyepiece 740.....

Seeing 4.....

Transparency 3.....

Remarks: Note white oval enclosed by grey loop on p part of NEB.

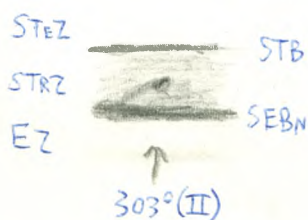
Observer G. GAHERTY, JR.....

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date AUGUST 13/14 1959

Local Time 20:32 E.D.T.

Universal Time 00:32

Central Meridian (1)

(2) 303°

Telescope 8" CAVE REFLECTOR

Eyepiece 240x

Seeing 3

Transparency 3

Remarks: Detail of transit #137

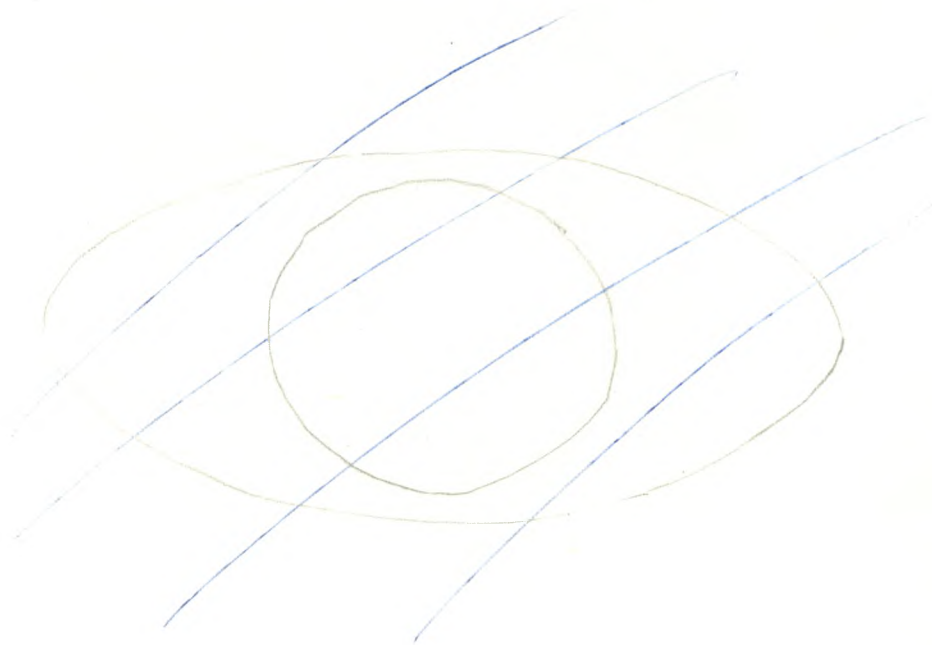
Observer GEORGE GAYETK, JR.

Address

Telephone No.

Royal Astronomical Society of Canada
Montreal Centre

PLANETARY OBSERVATIONS



PLANET JUPITER

Date SEPT. 6/7, 1959

Local Time 20:10 E.D.T.

Universal Time 00:10

Central Meridian (1)

(2)

Telescope 8" CAVE REFLECTOR

Eyepiece 240X

Seeing 2-1

Transparency 3

Remarks: ESTIMATE OF DESCENDING ORDER OF CONSPICUOUSNESS OF BELTS:
1. NEB. 2. SEB. 3. STB. 4. NPR. 5. SPR

Observer G. GAHERTY

Address

Telephone No.