

- 33. Drawings of Jupiter.
- 34. Photograph of diffraction figures observed in the heliometer.
- 35. Recent publications of the Physics Department, University College of Science.
- 36. Micrometer Theodolite
- 37. Sun photos
- 38. Transit instrument.
- 39. Sunshine record.

Exhibits were kindly sent by the Observatories of Kodaikanal, Hyderabad (Nizamieh), and Dehra Dun, as well as by the Presedency College, Calcutta, the Metreological Department, Mathematical Instrument Office, University College of Science (Physics Department) and the Science Association.

MONTHLY NOTICES

FOR

May 1920.

Standard Time of India is adopted in these Notes

MEMORANDA FOR OBSERVERS BY P. C. BOSE. Esq.

Siderial time at 8 p.m.

		H.	M.	S.
May	1st	10	36	51
	8th	11	4	26
	15th	11	32	3
	22nd	11	59	39
	29th	12	27	15

From this table the Constellation visible in India during

the Evenings in May can be ascertained by a reference to a star chart, as the above Hours of Siderial time represent the hours of Right ascension on the meridian.

PHASES OF THE MOON.

		H.	M.	S.	
May 3	Full Moon—	7	16	48	A. M.
11	Last Quarter.—	11	20	30	„
18	New Moon.—	11	54	42	„
25	First Quarter.—	2	36	42	„
7	Apogee.—	1	29	30	„
19	Perigee.—	11	20	30	„

CONJUNCTIONS.

	H.	M.	S.		Decl. (o 1)
May 2	3	23	30	A. M. with	Mars— 2° 55' N,
„ 12	8	16	30	P. M. „	Uranus 6° 5' S
„ 17	7	13	30	„ „	Mercury 0° 56' S.
„ 18	2	31	30	A. M. „	Venus 1° 23' S.
„ 22	10	55	30	„ „	Neptune 5° 27' N.
„ 23	3	50	30	„ „	Jupiter 0° 21' N.
„ 25	10	31	50	„ „	Saturn 7° 16' N.
„ 28	9	42	30	P. M. „	Mars 2° 14' N.

POSITIONS OF THE PLANETS ON THE 15TH

	R. A.			Decl.		
	(h. m. s.)			(o 1)		
Mercury	22	22	39.85	11	46	24.2 S.
Venus	2	35	46.50	13	59	59.3 N,
Mars	13	26	7.59	8	20	7.0 S.
Jupiter	8	53	18.15	18	23	27.0 N.
Saturn	10	29	43.50	11	29	31.7 N.
Uranus	22	30	0.92	10	13	30.8 S.
Neptune	8	45	26.87	18	1	42.1 N.

OBJECT OF INTEREST.

BY THE REV. A. C. RIDSDALE, M.A., F.R.A.S., &c.

For May, 1920.

Nebulæ.

	R. H.	A. M.	Decl. (° ')
Spiral Neb.	12	13	+15° 5'
" "	12	17	-16° 29'
Nebula	12	34	-10° 57'
" (Radial Velocity 1000 km per second)	12	35	-11° 3'

Variables.

	R. H.	A. M. (° ')	Decl.	Range.
<i>R</i> Ursæ Maj	10	37	+69° 18'	60-13°0

Doubles.

	R. H.	A. M.	Decl.	Distance.
<i>Zeta</i> Ursæ Maj.	11	11	+32° 13'	1·1
65 " "	11	48	+47° 9'	3·7
<i>S</i> Comæ	11	58	+28° 8'	3·7
24 " (orange lilac)	12	29	+19° 2'	20·4
<i>Gamma</i> Virginis	12	35	- 0° 47'	4·7

METEOR NOTES FOR MAY, 1920.

		R. H.	A. M.	Decl.
May	1 to 8	22	20	42° S,
"	7	16	24	3° N.
"	9	13	48	10° S.
- "	10	15	35	10° S.
"	11 to 18	15	24	27° N.
"	12	15	36	11° N.
"	19 to 31	16	48	21° S.
"	24	16	24	29° N.
All May	29	1?	40	59° N.

The last radiant is the same as that given last month under April 29 and remain visible throughout the month. The important radiant visible during the first week of May is unfortunately badly situated for observation in India.

LIBRARY NOTICES.

The following Journals have been received during the month April 1920 and are available for consultation on application to Dr. H. W. B. Moreno, B.A., Ph. D., M.R.A.S., the Hon'y Librarian to the Society, or at the Library of the Society on Mondays, Wednesdays and Fridays :—

1. The Bulletin of the Calcutta Mathametical Society.
Vol X. No. 4.
2. The Journal of the British Astronomical Association
Vol XXX. No. 5.
3. The Observatory—March 1920.
4. The Monthly Notices of the Royal Astronomical
Society Vol LXXX No. 3.
5. Specola Astronomica Vaticana.

Arrangements have now been made to improve the Society's Library by the purchase of recent and up to date books and publications on Astronomy and allied subjects and suggestions are invited from the members as to the names of the Books and their authors as well as the sources of obtaining them readily.

For the facility of members arrangements have also been made to open the Society's Library on three days in the week viz. Mondays, Wednesdays and Fridays from 5 to 7 p. m. instead of two days as was hitherto the practice. The members and visitors are welcome on those days to make a full use of the Library.

H. W. B. MORENO.
Hony Librarian.
Astronomical Society of India
