

Memoranda for Observers.

Standard Time of India is adopted in these Memoranda.

For the month of January 1913.

Sidereal time at 8 p.m.

			H.	M.	S.
January 1st	2	42 32
„ 8th	3	10 8
„ 15th	3	37 44
„ 22nd	4	5 20
„ 29th	4	32 55

From this table the constellations visible during the evenings of January can be ascertained by a reference to their position as given in a Star Atlas.

Phases of the Moon.

			H.	M.
January 7th	New Moon	...	...	3 58 P.M.
„ 15th	First Quarter	...	...	9 32 „
„ 22nd	Full Moon	...	...	9 10 „
„ 29th	Last Quarter	...	...	1 4 „

Meteors.

There is one important shower in January—the Bōotids of 2nd and 3rd.

Radiant Point. *Character.*

R. A. Dec.

15h. 20m. +53° Swift long paths.

Other showers occur on 3rd, 11th, 17th, 17th to 23rd, 25th and 29th January.

Planets.

Venus—Is an evening star. Its position on the 15th January will be R. A. 22h. 46m. 26s. Dec. 8°-55'-10" S. The time of its setting on the 15th January will be 8hrs. 32m. P.M.

Mars.—The position of this planet on the 15th January will be R. A. 18h. 16m. 23s. Dec. 23°-59'-48" S. The time of its rising will be 4h. 55m. A.M. on the 16th January.

Jupiter.—The position of this planet on the 15th of January will be R. A. 18h. 12m. 28s. Dec. 23°-12'-52" S. The time of its rising will be 4hrs. 48m. A.M. on the 16th January.

Saturn.—The position of this planet on the 15th January will be R. A. 3h. 42m. 8s. Dec. $17^{\circ}-34'-48''$ N. The time of its setting will be 2h. 12m. A.M. on the 16th January.

For the month of February 1913.

Sidereal time at 8 p.m.

			H.	M.	S.
February 1st	4	44 45
„ 8th	5	12 21
„ 15th	5	19 57
„ 22nd	6	7 33

From this table the constellations visible during the evenings of February can be ascertained by a reference to their position as given in a Star Atlas.

Phases of the Moon.

			H.	M.
February 6th	New Moon	...	...	10 52 A.M.
„ 14th	First Quarter	...	...	2 4 P.M.
„ 21st	Full Moon	...	...	7 33 A.M.
„ 28th	Last Quarter	...	...	2 45 A.M.

Meteors.

The following showers occur in February. They are not very brilliant showers:—

	R. A.	Dec.		Character.
February 5th—10th	..	75°	+ 41°	.. Slow, bright
„ 15th	...	236	+ 11	.. Swift, streaks.
„	..	261	+ 4	.. „ „
„ 20th	..	$181'$	+ 34	.. Swift, bright.
„	..	263	+ 36	.. Swift, streaks.

Planets.

Venus—Is an evening star. On the 15th of February at 8 P.M. its position will be R. A. 0h. 45m. 13s. Dec. $6^{\circ}-40'-24''$ N. The time of its setting on the 15th February will be 8h. 55m. P.M.

Mars.—The position of this planet on the 15th so February will be R. A. 19h. 57m. 34s. Dec. $21^{\circ}-37'-30''$ S. The time of its rising will be 4h. 29m. A.M. on the 16th February.

Jupiter.—The position of this planet on the 15th February will be R. A. 18h. 40m. 26s. Dec. $22^{\circ}57'39''$ S. The time of its rising will be 3h. 14m. A.M. on the 16th February.

Saturn.—The position of this planet on the 15th February will be R.A. 3h. 42m. 34s. Dec. $17^{\circ}45'7''$ N. The time of its setting will be 0h. 11m. A.M. on the 16th February.

Notices of the Society.

Election of Members.

The attention of members is invited to Bye-Law No. 14, regulating the election of persons who desire to join the Society. It is hoped that those who are already members will induce others to join. Forms of application can be had from the Secretary, Mr. C. V. Raman.

The Library.

A subscription list exists and several members in Calcutta have subscribed and enabled the Council to make a beginning with the Library. Other members outside Calcutta, however, have not, except in one or two cases, yet come forward and as the Library will be one of the most important adjuncts of the Society, and will be available to members both in and out of Calcutta, those who have not yet done so are invited to help the Society in making progress with this important branch of the work. Suggestions as to useful books for the Library will also be welcomed by the Librarian.

A number of books have already been received and can be borrowed by members in accordance with the Bye-Laws.

The books available can be ascertained from the Assistant Librarian and a catalogue will be issued shortly. The reading room of the Society in the Imperial Secretariat is now opened for the use of members daily from 5 to 7 P.M. except on Wednesdays and holidays and from 3 to 5 P.M. on Saturdays unless that day is a holiday.

Subscriptions.

Subscriptions for the current session fell due on 1st October 1912. Those who have not paid in their subscriptions are requested to remit them to the Treasurer at their convenience.