

as the North Equatorial current; that between the years 1879 and 1889 this current continually slowed down, or in other words, the rotation period derived from it increased from 9 hour 50 minutes 30 seconds. From 1889 to 1911 its velocity remained very nearly uniform, but that the observations of this year show that the velocity has begun to increase again. No doubt it is something of this kind that Mr. Phillips has to tell us. It will be interesting to watch whether the velocity of the current returns to its large value of the year 1879.

[*English Mechanic*—December 26, 1913.]

Memoranda for Observers.

[Standard Time of India is adopted in these Memoranda.]

For the month of April 1914.

Sidereal time at 8 p.m.

			H.	M.	S.
April 1st	...	...	8	36	25
" 8th	...	...	9	4	0
" 15th	...	...	9	31	36
" 22nd	...	...	9	59	12
" 29th	...	...	10	26	48

From this table the constellations visible during the evenings in April can be ascertained by a reference to a star chart, as the above hours of sidereal time represent the hours of Right Ascension on the meridian.

Phases of the Moon.

			H.	M.
April 4th	First Quarter	...	1	11 A.M.
" 10th	Full Moon	...	6	58 P.M.
" 17th	Last Quarter	...	1	22 "
" 25th	New Moon	...	4	52 "

Meteors.

		Radiant.		Character.
		R. A.	Dec.	
April 7th—22nd		210°	— 10°	Slow; fireballs.
" 18th—23rd		189°	— 31°	Slow; long.
" 19th—20th		201°	+ 9°	Slow.
" 19th—22nd		271°	+ 33°	Swift; brilliant.
" 30th		291°	+ 59°	Rather slow.

The Planets.

Mercury—Is a morning star throughout the month, and may be seen early in the month rising in Pisces about an hour and a half before the Sun to the south of the Great Square of Pegasus.

Venus—Is an evening star increasing her altitude above the Sun as the month advances. On the 30th she will set about an hour and a half later than the Sun.

Mars—An evening star on his eastward course, travels across Gemini, and will move into Cancer on the 23rd. Position on the 15th R.A. 7·38, Dec. 23° 47' North.

Jupiter—Is a morning star rising in Capricornus three and a half hours before the Sun at the beginning of the month and five hours at its close. Position on the 15th R.A. 21·20, Dec. 16° 7' South.

Saturn—An evening star, sets in Taurus about four hours after the Sun at the beginning of the month and two and a half hours after on the 30th. Position on the 15th R.A. 4·53, Dec. 21° 17' North.

Uranus in Capricornus. Position on the 15th R.A. 20·55, Dec. 18° 1' South.

Neptune on the line dividing Gemini from Cancer. Position on the 15th R.A. 7·49, Dec. 20° 39' North.

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.