

that a satellite existed between the two latter, which revolved round its primary in about 22 hours. Mr. Elvins recommended astronomers to carefully search this space, as it was likely their labours would be rewarded by the discovery of a sixth satellite, revolving in accordance with Kepler's law.

Mr. Elvins closed thus:—"Reasoning in this manner, I ventured to suggest that it would be well to watch Jupiter closely during the opposition of 1892. My paper was read in May, 1891, and published in February, 1892, in the "Transactions of the Astronomical and Physical Society" of Toronto, and I wrote our local observers to look for satellites, or rings, which would doubtless be very faint, but would possibly be seen. I wrote Prof. Barnard, among others, and this reply, which I lay on the table, shows he received it. Whether that letter stimulated him to search for satellites or not, he has not stated. One thing is certain, he has made a diligent search and a fifth satellite being discovered has rewarded his pains. The French Academy of Science has tendered Prof. Barnard a double prize, a token of merit which he richly deserves. But had he mentioned the fact that I had suggested the possibility of the existence of a new satellite, the lustre of his discovery would not have been dimmed, and he would have been doing justice to one who has been a lover of the stars through a life which is now rapidly drawing to a close."

TWENTY-SECOND MEETING.

Twenty-second Meeting, 15th April, 1893, the President in the chair.
Donations and Exchanges, 85.

Messrs. C. P. Smith, Clarence E. Spink and G. K. Powell were elected members.

Prof. A. B. Macallum read a paper on "Archic Life."

TWENTY-THIRD MEETING.

Twenty-third Meeting, 22nd April, 1893, the President in the chair.
Donations and Exchanges, 57.

A circular from the Royal Society of Canada, transmitting copies of a schedule for the recording of observations in Natural History and Meteorology was referred to the Biological Section.

Mr. J. J. Foy and Rev. J. J. Hare, Ph.D., were elected members.

Mr. Alan Macdougall read a paper on "Road Improvement."