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from in the The large gap between the short and long periods for the helium stars. The star under discussion here furnishes another illustration of the marked increase of eccentricity with period, the value of ϵ being '60 for an orbital period of 131 days.

The curve shown represents the corrected values of the elements.

The interest shown and the encouragement given by the Director in this work is hereby gratefully acknowledged.

Dominion Observatory, Ottawa, Canada, January, 1911.