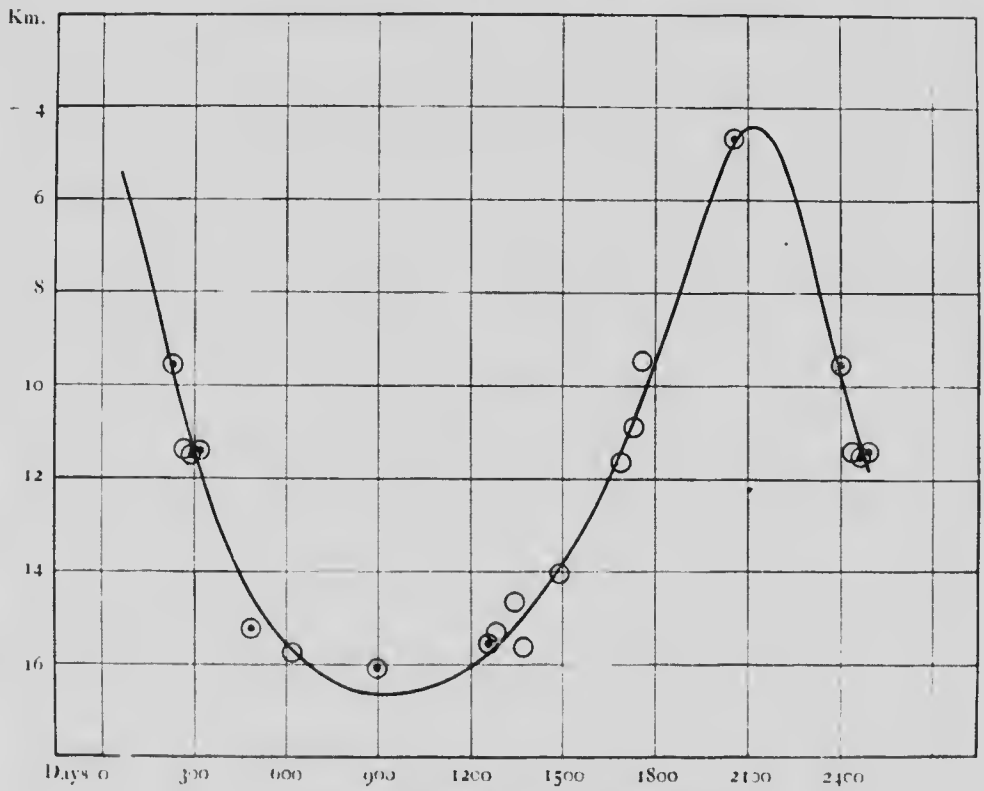
the last one of these has a shorter period than the star under consideration. So that we may say of γ Geminorum that it bridges over the gap between the periods of the longest spectroscopic and the shortest visual binary.

The plates were all of Seed 27 emulsion. One fine grained plate has since been made, but on none does a second spectrum show. The companion star would, of course, need to be of small mass relatively to the principal star in order that there might be sufficient separation of the lines to be resolved on our plates. Possibly near the time of next periastron passage, which occurs



VELOCITY CURVE OF γ GEMINORUM