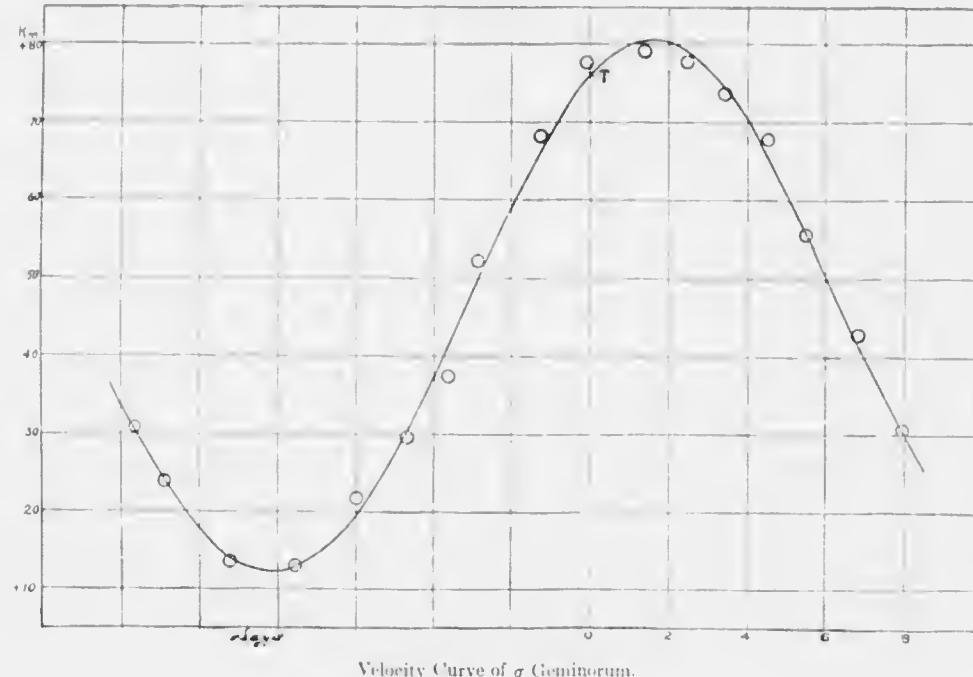among the various lines will be secured by adopting an arbitrary set of wave-lengths but any resulting changes in the orbit will generally be small.

Though the results obtained from the revised system of wave-lengths have not been made use of in this case the extra labour is not necessarily valueless as the wave-lengths here determined for K-type stars will be useful for future work.

Dominion Observatory,
          Ottawa,
                    June, 1911.

Velocity Curve of σ Geminorum.