is to be expected from theory since npletely in the gas phase; thus, the cribed by simple kinetic theory. rates a varied behaviour. $\eta_{\rm red.}$ of (which, as saturated vapours, differ

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y of Hg, Na and K vs. $T_{\rm red}$.

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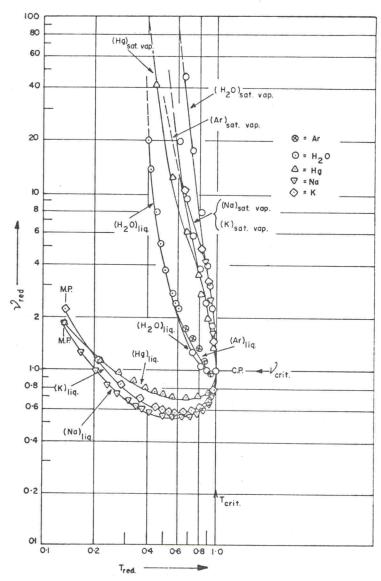


Fig. 2.— $v_{\rm red.}$ or reduced kinematic viscosity vs. $T_{\rm red.}$

It is obviously desirable to extend viscosity measurements to additional metals and to proceed to higher temperatures, preferably up to 2500°K. Estimates up to the critical point can be made based (1–3) on da C. Andrade's II equation and density measurements.

In view of the different viscosity behaviour of metals, it is also obvious that Codegone's⁽⁷⁾ similar relationship (see reference (7), Fig. 2) for the reduced *thermal* conductivity of liquids would have to be changed as far as its application to *liquid* metals is concerned.