



FIG. 2.— ν_{red} or reduced kinematic viscosity vs. T_{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.

is to be expected from theory since completely in the gas phase; thus, the described by simple kinetic theory. rates a varied behaviour. η_{red} of which, as saturated vapours, differ

○	= Hg
△	= Na
◇	= K
⊗	= Ar
○	= H ₂ O
—	crit.
—	vap.

of Hg, Na and K vs. T_{red} .

liquids-see upper or combined sodium, which lie close together. Remembered that these latter data simple kinetic theory; direct

curves are subject to *experi-* within the range of present day