

TABLE 1a.—REDUCED DYNAMIC (ABSOLUTE),  $\eta_{red.}$ , AND KINEMATIC,  $\nu_{red.}$ , VISCOSITY OF *liquid* MERCURY

$T_{red.}$	$\eta_{red.}$	$\nu_{red.}$	
0.135 = m.p.	4.94	1.85 <sub>9</sub>	Experimental Range
0.215	2.91 <sub>8</sub>	1.12 <sub>5</sub>	
0.273	2.47 <sub>8</sub>	0.97 <sub>2</sub>	
0.331	2.18 <sub>8</sub>	0.87 <sub>5</sub>	
0.388	1.95 <sub>9</sub>	0.79 <sub>5</sub>	
0.445	1.82 <sub>3</sub>	0.75 <sub>9</sub>	
0.503	1.73 <sub>8</sub>	0.74 <sub>0</sub>	
0.561	1.64 <sub>4</sub>	0.709	Extrapolated Range
0.619	1.568		
0.677	1.50 <sub>8</sub>	0.701	
0.735	1.45 <sub>4</sub>		
0.792	1.39 <sub>9</sub>	0.709	
0.850	1.34 <sub>2</sub>		
0.907	1.28 <sub>8</sub>	0.755	
0.965	1.17 <sub>8</sub>		
1.000 = c.p.	1.000	1.000	

TABLE 1b.—REDUCED DYNAMIC (ABSOLUTE),  $\eta_{red.}$ , AND KINEMATIC,  $\nu_{red.}$ , VISCOSITY OF THE *saturated vapour* OF mercury

$T_{red.}$	$\eta_{red.}$	$\nu_{red.}$
0.331	0.095 <sub>2</sub>	343
0.445	0.207 <sub>3</sub>	41.9
0.561	0.317	12.3
0.677	0.439	6.16
0.792	0.561	3.48
0.850	0.629	2.72
0.907	0.683	2.01
0.965	0.776	1.37 <sub>8</sub>
1.000	1.000	1.000

TABLE 2a.—REDUCED DYNAMIC (ABSOLUTE),  $\eta_{red.}$ , AND KINEMATIC,  $\nu_{red.}$ , VISCOSITY OF *liquid* POTASSIUM

$T_{red.}$	$\eta_{red.}$	$\nu_{red.}$	
0.1375 = m.p.	10.77	2.208	Experimental Range
0.204	5.31	1.14 <sub>3</sub>	
0.286	3.56	0.8169	
0.367	2.83	0.694 <sub>7</sub>	
0.449	2.32 <sub>7</sub>	0.615 <sub>2</sub>	
0.490	2.17 <sub>3</sub>	0.597 <sub>3</sub>	
0.531	2.03 <sub>8</sub>	0.583 <sub>5</sub>	
0.571	1.92 <sub>3</sub>	0.574 <sub>0</sub>	
0.653	1.77 <sub>3</sub>	0.585 <sub>1</sub>	
0.735	1.61 <sub>2</sub>	0.595 <sub>6</sub>	
0.816	1.48 <sub>7</sub>	0.631 <sub>9</sub>	
0.898	1.36 <sub>2</sub>	0.680 <sub>8</sub>	
0.980	1.18 <sub>8</sub>	0.792 <sub>4</sub>	
1.000 = c.p.	1.000	1.000	