

minutes after every pressure change was allowed to let the temperature come to equilibrium before data was recorded. At the end of the third pressurizing cycle the specimen was removed from the bomb and the run considered completed.

Because in every case the discrepancies of the data plots from straight lines were small, only one run corresponding to each of the (ρv^2) 's in Table IV was made, with the exception of the C_{100}^n run. The C_{100}^n run was repeated to obtain an estimate of the reproducibility of the pressure runs, and a discrepancy on the order of 1% was noted.

The expressions for the elastic constants given in Table I were differentiated and the pressure derivative measurements are compared in Table V in the same manner as the elastic constant measurements. In the pressure derivative comparison no attempt was made to correct for temperature changes between runs and the values of the (ρv^2) 's used in the calculations of the pressure derivatives are the measured values recorded in Table IV.