



FIG. 3.3 *Volumetric* heat capacity (at constant pressure, C_P) of several types of materials at cryogenic temperatures, showing an approximate T^3 temperature dependence below ~ 77 K (from Corruccini and Gniewek 1960, Chang 1970, and Touloukian 1966, and a compilation by Goodall 1970, renormalized per unit volume using the room-temperature density of each material, which is relatively independent of temperature). Specific heat (referenced to *mass*) is given in Sec. 6.1.1.