

Mr. G. O. C. Paynter for his unfailing technical help, and Dr. D. Gugan for reading the manuscript.

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tically the effect of volume with existing experimental data the main theoretical work at temperatures is by Mott and Jones, the Bloch-Grüneisen theory was used as a basis for the pressure coefficient.

roach because the Bloch-Grüneisen theory is based on the temperature dependence of the resistivity of rubidium.

ison with theory. Instead we have here computed the resistivities. The method used for deducing the resistivity with respect to temperature is deduced from the Bloch-Grüneisen theory. The results are given in Table II.

 $\theta$  (2500 atm.)

45
58
65
65
65
65

ue at a given temperature corresponds to a "stiffening" of the metal about 30° K., although the resistivities are not sure, the  $\theta$ -values appear

theoretical point of view. On the basis of the assumption that the cross-section of the metal does not change under pressure, one deduces that  $d \ln \rho_0 / d \ln V = -\theta$ . If the metal is deformed by pressure without changing its volume, then one deduces that from the data given in Table II we deduce that

suggesting this investigation. We also wish to thank