Errata

Lattice Dynamics of Potassium Chloride, J. R. D. COPLEY, R. W. MACPHERSON, AND T. TIMUSK [Phys. Rev. **182**, 965 (1969)]. The values of the parameter B, given in Table II, are incorrect. The correct values are as follows:

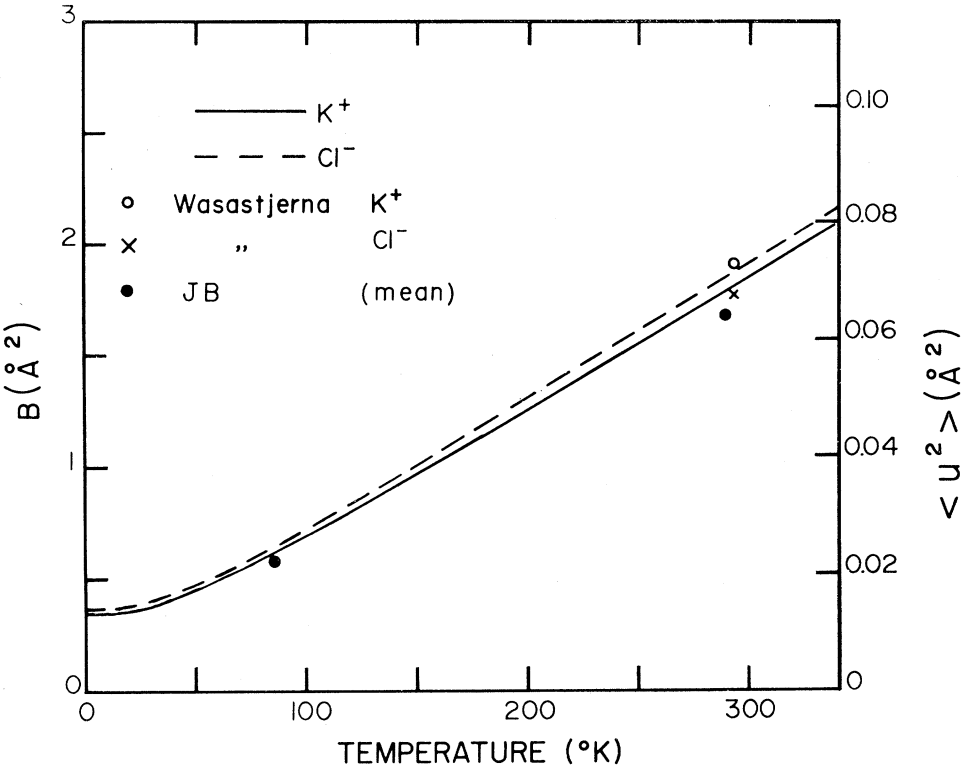
Model	I	II	III	IV	V	VI
B	−1.13	−1.05	−0.310	−1.06	−0.96	−1.10

B is not an independent parameter of the models. It is related to the independent parameters B_{11}, B_{22}, and Z by the stability condition (Sec. IV): $B+2B_{11}+2B_{22}=-\frac{2}{3}\alpha_M Z^2$. Thus, none of the calculations in the paper are affected by this correction. We are grateful to Dr. T. Smith for bringing this error to our attention.

In Sec. IV, second paragraph, line 15, B_{12} should read B_{22}.

In Fig. 3, the arrows labeled Γ_{15}', at frequency 134 cm^{-1}, should be located at frequency 147 cm^{-1}.

The calculated Debye-Waller factors, shown in Fig. 5, are incorrect owing to an error in one of the programs used to calculate these quantities. None of the other calculations in the paper are affected by this error. Recalculated values are shown in the accompanying figure. This figure should replace Fig. 5 in the paper. The agreement between our calculations and the experimentally measured Debye-Waller factors is much improved.



Valley-Orbit Splitting of the Indirect Free Exciton in Silicon, P. J. DEAN, Y. YAFET, AND J. R. HAYNES* [Phys. Rev. **184**, 837 (1969)]. It was called to our attention by Dr. R. E. Nahory that the valley-orbit splitting that we invoked in our paper to explain the fine structure in the indirect interband optical absorption of silicon cannot actually be the correct explanation. The reason is that the valley-orbit splitting of the indirect free exciton must vanish by translational symmetry, a fact pointed out by J. J. Hopfield. This can be seen as follows: The part of the Hamiltonian that depends only on the electronic coordinates is in-

* Deceased.