

- ¹¹D. N. Yoon and R. N. Jeffery, *J. Phys. Chem. Solids* (to be published).
- ¹²N. H. Nachtrieb, J. A. Weil, E. Catalano, and A. W. Lawson, *J. Chem. Phys.* **20**, 1189 (1952).
- ¹³R. A. Hultsch and R. G. Barnes, *Phys. Rev.* **125**, 1832 (1962).
- ¹⁴R. E. Hanneman, R. E. Ogilvie, and H. C. Gatos, *Trans. Met. Soc. AIME* **233**, 691 (1965).
- ¹⁵E. D. Albrecht and C. T. Tomizuka, *J. Appl. Phys.* **35**, 3560 (1964).
- ¹⁶D. Gupta and R. N. Jeffery (unpublished).
- ¹⁷D. N. Yoon and D. Lazarus, *Bull. Am. Phys. Soc.* **15**, 381 (1970); D. Lazarus, D. N. Yoon, and R. N. Jeffery, *Europhysics Conference on Atomic Transport in Solids and Liquids*, Marstrand, Sweden, 1970 (unpublished).

- ¹⁸M. Beyeler and Y. Adda, *J. Phys. (Paris)* **29**, 345 (1968); B. M. Butcher, H. Hutto, and A. L. Ruoff, *Appl. Phys. Letters* **7**, 34 (1965).
- ¹⁹M. Beyeler and D. Lazarus, *Europhysics Conference on Atomic Transport in Solids and Liquids*, Marstrand, Sweden, 1970 (unpublished).
- ²⁰L. W. Barr and J. N. Mundy, *Diffusion in Body-Centered Cubic Metals* (American Society for Metals, Metals Parks, Ohio, 1965), p. 171; J. N. Mundy, L. W. Barr, and F. A. Smith, *Phil. Mag.* **14**, 785 (1966).
- ²¹A. P. Batra, *Phys. Rev.* **159**, 487 (1967).
- ²²N. L. Peterson and S. J. Rothman, *Phys. Rev.* **163**, 645 (1967).
- ²³L. Chabildas and H. M. Gilder (unpublished).
- ²⁴A. D. LeClaire, *Phil. Mag.* **14**, 1271 (1966).

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ERRATA

F-Center Gap Mode in Alkali Halides. A Molecular Model, R. S. Singh and S. S. Mitra [*Phys. Rev. B* **2**, 1070 (1970)]. Dr. D. Bäuerle has brought to our attention certain misinterpretations of his results. The sentences starting from line 3 and ending in line 16 of the second paragraph of p. 1072 should accordingly be changed to "... For the *F* center in KI, a sharp band at 83 cm⁻¹ has been observed¹ in the far-infrared absorption. Clearly this should be compared with the calculated frequency of 81.2 cm⁻¹ (*F*'_{1u}'). More recently Bäuerle and Hübner [*Phys. Rev. B* **2**, 4252 (1970)] have reported the observation of a gap mode due to an *F* center in KBr at 99.6 cm⁻¹ (1.2 °K). This compares well with our calculated value of 92.6 cm⁻¹ (300 °K) for this center. A resonant-band mode peaking around 62 cm⁻¹ has been reported^{6,14} for the KI:H⁻ system."

Nonresonant Interband Faraday Rotation in Silicon, Cedric J. Gabriel [*Phys. Rev. B* **2**, 1812 (1970)]. A printer's error was made in Eq. (3). The correct form of the equation is

$$2\gamma = [\xi(-) - \xi(+)] \left(\frac{d\xi(\pm)}{d\alpha} \right)^{-1}$$

High-Temperature Measurements of the Electron Hall Mobility in the Alkali Halides, C. H. Seager and David Emin [*Phys. Rev. B* **2**, 3421 (1970)]. To correct for an error which has been discovered in the calibration procedure of the apparatus, the quoted Hall mobilities for all samples measured should be multiplied by a factor of 1.24 to obtain the proper values. This correction in no way affects the conclusion drawn by the authors that con-

tinuum polaron theories are inadequate in their predictions of the temperature dependence of the data.

Lattice-Dynamical Theory of the Diffusion Process. I. Isotope Effect in Cubic Metals, B. N. Narahari Achar [*Phys. Rev. B* **2**, 3848 (1970)]. The 3*N* normal modes of the lattice perturbed by an isotopic impurity should be labeled by a single index *f*, rather than the symbols (\vec{q}, λ). Accordingly, the symbols (\vec{q}, λ) should be replaced by *f* in the following: (i) Line above Eq. (10), p. 3850. (ii) Equations (10) and (11), p. 3850. (iii) Line 3 from top of the right-hand column, p. 3850.

Ionic Raman Effect. I. Scattering by Localized Vibration Modes, A. A. Maradudin and R. F. Wallis [*Phys. Rev. B* **2**, 4294 (1970)]. An unfortunate numerical error occurred in plotting Figs. 1 and 2 on the basis of Eqs. (17) and (29), respectively. The scattering efficiencies shown in these figures are consequently too large by factors of 10³-10⁴. The corrected results, together with a demonstration that the ionic Raman effect for the system CaF₂:H⁻ dominates the electronic Raman effect when the incident light is in the infrared, are presented in a paper by L. B. Humphreys, A. A. Maradudin, and R. F. Wallis to appear in *Physics of Impurity Centres in Crystals* (Academy of Sciences of the Estonian S.S.R., Tartu, 1971).

Electromodulation of the Optical Properties of Thallium-Activated Potassium Bromide, U. Giorgianni, V. Grasso, and G. Saitta [*Phys. Rev. B* **2**, 5007 (1970)]. Figures 1 and 2 should be interchanged,