Errata

Dislocation Energies in NaCl, H. B. HUNTINGTON, J. E. DICKEY, AND ROBB THOMSON [Phys. Rev. **100**, 1117 (1955)]. The Madelung formulas were incorrectly written in final draft. The correct forms are:

$$\frac{2e}{a}\sum_{l=1(l\text{ odd})}^{\infty} i\pi H_0\left(\frac{\pi i l r}{a}\right)\cos\left(\frac{\pi l z}{a}\right), \tag{9}$$

$$V(z,r)=\frac{4e}{b}\left[\sum_{l=1}^{\infty}K_0(2\pi lr/b)\cos(2\pi lz/b)+\tfrac{1}{2}\ln(2b/r)\right], \tag{13}$$

and

$$V(x,y,z)\simeq\frac{8e}{a}\frac{e^{-\pi\sqrt{2}z/a}}{\sqrt{2}}\cos\left(\frac{\pi x}{a}\right)\cos\left(\frac{\pi y}{a}\right). \tag{15}$$

Also, in Fig. 13 ions of opposite sign lie on alternate planes $b/2$ apart.

Quadrupolar Nuclear Spin-Lattice Relaxation in Crystals with Body-Centered Cubic Lattice Structure, T. P. DAS, D. K. ROY, AND S. K. GHOSH ROY [Phys. Rev. **104**, 1568 (1956)]. In Eq. (19), in the expression for $V_4(r)$, $-506\sqrt{2}y^3z$ should be replaced by $-560\sqrt{2}y^3z$.

In Eq. (20), the correct expressions for A_{022} and A_{144} are

$$A_{022}=A\begin{bmatrix}-36 & 0 & 0\\ 0 & 204 & -60\sqrt{2}\\ 0 & -60\sqrt{2} & -168\end{bmatrix},$$

$$A_{144}=A\begin{bmatrix}-180\sqrt{2}i & 180\sqrt{2} & -72\\ 180\sqrt{2} & 300\sqrt{2}i & +408i\\ -72 & +408i & -120\sqrt{2}i\end{bmatrix}.$$

Two new tensors A_{122} and A_{133} are required, namely

$$A_{122}=A\begin{bmatrix}180\sqrt{2}i & -180\sqrt{2} & -72\\ -180\sqrt{2}i & -300\sqrt{2}i & +408i\\ -72 & +408i & 120\sqrt{2}i\end{bmatrix},$$

$$A_{133}=A\begin{bmatrix}-300\sqrt{2} & -180\sqrt{2}i & 408\\ -180\sqrt{2}i & 180\sqrt{2} & 72i\\ 408 & 72i & 120\sqrt{2}\end{bmatrix}.$$

In Eq. (21), the correct expressions for $N_{1,1}$ and $N_{1,4}$ are

$$N_{1,1}=16\times746\,496A^2=N_{1,7},$$

$$N_{1,4}=N_{1,5}=-16\times43\,582A^2=N_{1,10}=N_{1,11}.$$

In Eq. (23), the correct expressions for $E_{\pm1}(T^*)$ and $E_{\pm2}(T^*)$ are

$$E_{\pm1}(T^*)=746\,496(D_1+D_7)+(-43\,582)(D_4+D_5+D_{10}+D_{11}),$$

$$E_{\pm2}(T^*)=157\,464(D_1+D_7)+51\,984(D_4+D_5+D_{10}+D_{11}).$$

Equations (24) should read

$$D_1'=2.62\times10^4T^{*5},$$

$$D_4'=D_5'=2.96\times10^3T^{*5},$$

$$D_7'=11.7\times10^8T^{*9},$$

$$D_{10}'=D_{11}'=3.76\times10^7T^{*9}.$$

Equations (25) should read

$$D_1(T^*)=0.198-0.0067/T^{*2},$$

$$D_4(T^*)=0.0125-0.00035/T^{*2},$$

$$D_7(T^*)=1.16-0.0655/T^{*2},$$

$$D_{10}(T^*)=0.452-0.0276/T^{*2}.$$

The authors are grateful to Dr. E. G. Wikner and Dr. Rhoderick for pointing out these errors and Dr. Wikner for also helping in their correction.

Pion-Deuteron Scattering in the Impulse Approximation, RONALD M. ROCKMORE [Phys. Rev. **105**, 256 (1957)]. In (2.4), (2.5), (2.6), and (5.6), the factor $1/v\omega W_{N(\text{lab})}$, occurring outside the curly brackets, should be replaced by $1/v_n\omega W_{N(\text{lab})}$, where $v_n=k/(E+W_{N(\text{c.m.})})$. In (5.7) the factor $1/v'\omega'W_{d(\text{lab})}$ should be replaced by $1/v_n'\omega'W_{d(\text{lab})}$, where $v_n'=q_0'/(\omega_0'+2M)$. In (2.1) the radical should read $(E^2W_{N(\text{c.m.})}{}^2/MW_{N(\text{lab})}\omega\omega_0)^{\frac{1}{2}}$. The corresponding expressions found in "Pion-Deuteron Scattering in the Impulse Approximation," R. M. Rockmore [Nevis Report No. 26, April, 1956 (unpublished)], are correct. Consequently the calculations and graphs presented in the published paper are also correct.

Variational Calculations of Dipole Polarizabilities of Helium-Like Ions, E. G. WIKNER AND T. P. DAS [Phys. Rev. **107**, 497 (1958)]. The last two sentences in the second-last paragraph on page 501 should read: "Since the presence of covalency decreases the effective negative charge on the anions, the electronic polarizabilities of anions would be smaller in the solid than in the free state. The opposite would be expected for cations."

Normal Modes of Germanium by Neutron Spectrometry, B. N. BROCKHOUSE AND P. K. IYENGAR [Phys. Rev. **111**, 747 (1958)]. Equation (3) gives the partial differential cross section per steradian, not per 4π steradians as stated. It was also omitted to make clear that Eq. (3), though exact for germanium, is an approximation in the general case. For the general case e^{-2W} in Eq. (3) should be replaced by a factor e^{-W_k} under the summation in Eq. (5).