Errata

Erratum: Calculation of total inelastic-x-ray-scattering cross sections $(d\sigma/d\Omega)_{\text{inel}}$ [Phys. Rev. A 23, 2950 (1981)]

R. A. Bonham

I would like to make the following corrections to my article. On page 2953, Eq. (19) should read

$$K^2=K_e^2\left[I-\frac{E}{\omega_0}\right]+\frac{E^2}{c^2}\ ,$$

which leads to the corrected result

$$\left[\frac{d\sigma}{d\Omega}\right]_{\text{inel}}=\tfrac{1}{2}\sigma_T(1+\cos^2\theta_B^0)\left[S(K_e)-\frac{2K_e^2N}{\omega_0}+\frac{1}{c^2}\left[(3-2\cos2\theta_B^0)+(5-4\cos2\theta_B^0)K_e^2\frac{d}{dK^2}\right]S(1,K)\Big|_{K=K_e}\right.$$
$$\left.-\frac{1}{c^2\omega_0}\left[1+(5-2\cos2\theta_B^0)K_e^2\frac{d}{dK^2}\right]S(2,K)\Big|_{K=K_e}+0(E_{\max}^{-3.5})\right]$$

for Eq. (21). The coefficient of the $(\omega_0/c^2)^2$ term in Eq. (22) should be 56 rather than 52 and the coefficient of the $(\omega_0/c^2)^3$ term in Eq. (22) should be 240 instead of 184. The polarization factor in Eq. (25) should read $\frac{1}{2}\sigma_T(1+\cos^2 2\theta_B)$ instead of $\frac{1}{2}\sigma_T(1+\cos^2\theta_B)$.

I wish to thank Professor A. J. Thakkar for calling my attention to the errors in Eq. (19) and (21) of my paper.

Erratum: Time-dependent local-density theory of dielectric effects in small molecules [Phys. Rev. A 29, 625 (1984)]

Zachary H. Levine and Paul Soven

On page 628 the equations should be corrected to

$$\sigma_{i\nu}(\omega)=4\pi\alpha\hbar\omega E_f^{1/2}\sum_n|\langle\psi_i|\phi_\nu|\psi_n\rangle|^2$$

and

$$I_{L\nu}=\sum_n\langle\psi_i|\phi_\nu|\psi_n\rangle e^{i\delta_n}C_{nL}i^l\ .$$

The potential ϕ_ν may be either the external or the SCF potential.

On page 632 the equation for λ_n given in the right-hand column should read

$$\lambda_n=\tan\delta_n\ .$$

Erratum: Special relativity: Understanding experimental tests and formulations [Phys. Rev. A 33, 1 (1986)]

D. W. MacArthur

Several errors occurred on page 3 of this paper. In Fig. 1 on the l triangle in the ether frame the expression $(1/g_2)\sin\theta$ should be replaced with $(1/g_2)l\sin\theta$. The second equation in the right-hand column should read

$$L^2=\left[\frac{1}{g_2}\right]^2 l'^2\sin^2\alpha+\left[\frac{\gamma}{g_1}\right]^2 l'^2\cos^2\alpha\ .$$

