**Errors in 7th edition**

Page 6, line 8 from bottom: The number of frequency cycles should be 9,192,631,770 (not 9,192,631.770).

Page 6, line 7 from bottom: the symbol for cesium should be $^{133}Cs$ (not $^{133}Ce$).

Page 17: In Eq. (1.44), the exponent on the dimension of time, $\bar{t}$, should be –1. (It is correct in Table 1.3.)

p. 79, line 8 from bottom:

A newtonian liquid (not "A Newtonian fluid")

p. 79, line 4 from bottom:

file in the liquid. The moving plate lifts the liquid from a container at 1 atm and discharges it at the same pressure.

p. 80, line 3:
There is no pressure change, so *dp*/*dx*, *dp*/*dy* and *dp*/*dz* are all zero. Integrating Eq. (4.41) gives

$$\frac{dv}{dx} - \frac{x\rho g}{\mu} = C_1 \qquad (4.42)$$

Integrating again yields

$$v - \frac{x^2\rho g}{2\mu} = C_1 x + C_2 \qquad (4.43)$$

The boundary conditions are as follows: at $x = 0$, $v = 0$ and at $x = B$, $v = v_0$. Solving for the constants shows that $C_1 = v_0/B - [B/2\mu](\rho g)$ and $C_2 = 0$. Substituting in Eq. (4.43) gives

$$v = -\frac{\rho g}{2\mu}(Bx - x^2) + v_0\frac{x}{B} \qquad (4.44)$$

Page 160, lines 7 to line 4 from bottom, should read: "turbulent, the critical Reynolds number is sensitive to the intensity of turbulence, and becomes smaller as the intensity increases. For example, if the intensity, defined as $100\sqrt{\overline{(u')^2}}/u$, is 2 percent, the critical Reynolds number[11] is about 140,000. One method of measuring the intensity of turbulence is to determine the crit- ["intensity" not "scale" throughout; also the definition was not correct.]

Page 355, line 4 from bottom, should read, "the coefficients are about 15 percent greater than..." (not "20 percent")

Page 537, bottom line: The correct value of the Boltzmann constant is $10^{-23}$. (not $10^{23}$)

Page 551: The coefficient in Eq. (17.64) should be 1.76. (not 1.62)

Page 1045: The coefficient in Eq. (29.54) should be 1.76. (not 1.62)

Page 857, Equation (25.23):

The first term on the left should read:

$$\varepsilon \rho \, c_p \frac{\partial T_g}{\partial t} \qquad \text{not } \varepsilon \, c_p \frac{\partial T_g}{\partial t}.$$