Architectural Acoustics Second Edition Errata

1) Page 57, Equation 2.37. The equation should read

$$\rho\, c^2 = -\frac{\Delta P}{(\Delta c / c)}$$

2) Page 230, Equation 6.32 should read:

$$\frac{\partial^2 p}{\partial t^2} = c^2 \left[\frac{\partial^2 p}{\partial x^2} + \frac{\partial^2 p}{\partial y^2} + \frac{\partial^2 p}{\partial z^2} \right] = c^2\, \nabla^2 p$$

3) Page 709, Equation 18.27 should be:

$$D_{rel}(\theta_n, \phi_n) \cong \left[\begin{array}{l} \left(D_{vert}(\psi_n = \theta_n) \sin \phi_n \right)^2 \\ + \left(D_{horiz}(\zeta_n = \theta_n) \cos \phi_n \right)^2 \end{array} \right]^{\frac{1}{2}}$$

4) Page 328, Equation 8.51 should be:

$$\bar{t} = \frac{4\,V}{c_0\, S_T}$$

5) In Tables 19.9, 19.10, 19.11, 1912, 19.13, 19.14, 19.16, and 19.17 replace:

   $S\,t$ with S_T

6) Substitute redrawn figures 3.29, 3.30, 3.33, 3.35, 4.12, 4.20, 8.11, 8.13, 10.12, and 13.25 for those in the text.

7) In Table 19.9 the bottom equation of the center column should read

$$G_{mid} = 6.5\ dB$$

8) Equation (12.45) should read

$$\Delta L_n = 20 \log \frac{F_n}{F_n'} = 20 \log \left(\frac{4/\pi}{\sin\alpha/\alpha + \sin\beta/\beta} \right)$$

9) Equation 6.24 should read

$$p = -B \frac{\partial \xi}{\partial x}$$