ERRATA

1. To the paper by Eugene Ackerman entitled "Resonances of Biological Cells at Audible Frequencies" (Vol. 13, pp. 93-106.)

One term was omitted from equation (5) on page 96. The corrected equation should read:

$$F = \frac{T}{a^2 \sin \theta} \frac{\partial}{\partial \theta} \left(\sin \theta \frac{\partial R}{\partial \theta} \right) + \frac{T}{a^2 \sin^2 \theta} \frac{\partial^2 R}{\partial \psi^2} - \frac{2T}{a^2} R \left. \vphantom{\frac{\partial}{\partial \theta}} \right\}$$

$$p_i = p_0 - F$$

This last term was also omitted from the last three equations on page 97 and the first four on page 98.

The second equation on page 98 should read:

$$\omega_n^2 \left(1 + \frac{n}{n+1} \frac{\rho_0}{\rho_i} \right) = \frac{Tn}{\rho_i a^3} (n-1)(n+2).$$

The fourth equation on page 98 should read:

$$\omega_2^2 \approx 4.8 T a^{-3}.$$

Although this increases the numerical values of T by a factor of three halves, it in no way alters the interpretation which was based on orders of magnitude only.

2. To the paper by Eugene Ackerman entitled "An Extension of the Theory of Resonances of Biological Cells: I. Effects of Viscosity and Compressibility" (Vol. 16, pp. 141-50).

This same error reappears again equation (14) on page 144. A term should be subtracted from the right hand side having the value

$$\frac{2T}{ia^2 \omega} V_{ri}.$$

This error was masked by a numerical error on page 148, where the simplified equation of motion is shown correctly as:

$$1.7 \omega^2 - \frac{2(\eta_i + 4\eta_o)}{a^2} i\omega - \frac{8T}{a^3} = 0.$$

3. To the paper by Eugene Ackerman entitled "An Extension of the Theory of Resonances of Biological Cells: II. Cross-Section in a Plane Wave" (Vol. 17, pp. 35-40).

Equation (2) on page 36 should have a term

$$\frac{2T}{a^2} \frac{\partial \Phi_i}{\partial r}$$

substituted from the right hand side,

In equation (7), page 38, the numerical coefficient of T should be 8 instead of 12, and on page 39, 24 instead of 36. These alter the numerical cross-sections but not their magnitude. Only the latter are quoted.

Other minor errors on page 37 below equation (6):

$\theta_e = \Pi/2$ should be $\theta_e = \pi/2$. And on page 38 the next to the last line should read "lowest" mode instead of "latest."