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Errata

The following corrections apply to "Education Column: The Field Equivalence Principle: Illustration of the Establishment of the Non-Intuitive Null Fields," *IEEE Antennas and Propagation Magazine*, **42**, 4, August 2000, pp. 122-128. We wish to acknowledge Dr. Joseph Mautz of Syracuse University for bringing them to our attention.

1. On page 124, in the third line from the bottom of the middle paragraph, the term "equivalent fields" should read "equivalent currents."

2. Equation (15) is generally valid when the domain of the problem is infinite space. In the application discussed in the Appendix, domain becomes a half-space.

3. In Appendix 2, the first equation for the magnetic vector potential has an extra 4π, and the last equation has a missing negative sign and magnitude sign. The last expression for E has the missing magnitude sign, as well. The corrected equations are given below:

$$\vec{A} = \frac{\mu_0}{4\pi} \int\int \vec{J} \frac{e^{-jk_0 R}}{R} ds'$$

$$\vec{A} = -\hat{x} \frac{E_0}{2Z_0} \frac{\mu_0}{jk_0} \left(e^{-jk_0|z|} \right)$$

$$\vec{E} = \hat{x} \frac{E_0}{2} e^{-jk_0|z|}.$$

The following corrections apply to "Education Column: An Illustrative Equivalence Theorem Example," *IEEE Antennas and Propagation Magazine*, **42**, 6, December 2000, pp. 132-135. We wish to acknowledge Dr. Richard E. DuBroff of the University of Missouri-Rolla for bringing some of these errors to our attention.

1. The "C" in the contour integrals of Equations (3) and (4) should be changed to "S," and "dC" should be changed to "dS."

2. In the second integral of Equation (10), θ should be replaced by ϕ.

3. In the second to the last paragraph before the Acknowledgements, the reference to Equation (16) should be changed to Equation (17), and it should read "When we solve Equation (17) for a PEC, we require...."

4. The term Re should be dropped from the caption of Figure 1.

5. The caption of Figure 2a should read, "The real part of the computed total magnetic field for the exterior equivalence problem."

6. The caption of Figure 2b should read, "The real part of the computed magnetic field for the interior equivalence problem."