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RADIO RESEARCH LABORATORIES
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CORRECTION

Oguchi, T., and Hosoya, Y., **Scattering properties of oblate raindrops and cross polarization of radio waves due to rain (Part II): Calculations at microwave and millimeter wave regions**, J. Radio Res. Labs., 21, 105, 191-259, 1974:

We regret that the following errors occurred in the printing of the above paper:

1. Reference number, which was missing at the 9th line from the bottom of page 193, should be 8.
2. For $f_{v,h}(\mathbf{K}_1, \mathbf{K}_1)$ in the last line of page 193 read $f_{v,h}(\mathbf{K}_1, \mathbf{K}_1)$.
3. Subscripts v and h did not come out well in the first paragraph of section 3 (page 194). This paragraph should read:

3. Differential attenuation and differential phase shift in rain-filled space

Effective propagation constants, k_v and k_h , of rain-filled space for vertically and horizontally polarized incident waves respectively, are given by⁽¹⁴⁾

$$k_{v,h} = k_0 + (2\pi/k_0) \int f_{v,h}(\mathbf{K}_1, \mathbf{K}_1) n(R) dR$$

where $n(R)dR$ is the drop-size distribution in space. This distribution is obtained from tables II and III of Medhurst's paper.⁽¹⁵⁾ Assuming the rain to fall uniformly through path length L , we obtain the attenuation, A_v and A_h , in dB and the phase shift, Φ_v and Φ_h , in degrees for vertically and horizontally polarized incident waves, respectively:

$$A_{v,h} = 8.686 \times \text{Im}(k_{v,h} L)$$

$$\Phi_{v,h} = (180/\pi) \times \text{Re}(k_{v,h} L)$$

4. For "an0" in the last line of the title of tables 1 to 10 in page 226 read "and".