Corrigendum

C. R. RICHEY, "Theoretical Analysis of Homogeneous Plutonium Critical Experiments," *Nucl. Sci. Eng.*, **31**, 32 (1968).

The development of the equation on page 39 for the density of water in $Pu(NO_3)_4$ solutions has been found to be in error. The correct equation is

$$H_2O(g/liter) = 1000 - 0.3619 \ Pu(g/liter) - 33.1 \ H+ \quad ,$$

where H+ is the acid molarity.

The effect of the corrected equation on the calculated critical parameters is to increase the critical dimensions for those curves representing H+ values other than zero.