

DISCUSSION

R. Baboian¹ (discussion questions)—Our work at Texas Instruments has shown that a correlation of chloride composition with corrosivity in the atmosphere is complicated by the presence of acid deposition. In the combination of acid deposition and chloride salts, HCl is formed which vaporizes off during dryoff periods. Subsequent analysis of the corroding system for chloride composition gives misleading results because of this behavior.

J. Duncan (author's closure)—We could believe that such volatilisation does occur. However, we are reasonably confident that the measurements of chloride deposition in this study were not affected by this factor because the collection sites were chosen to be away from likely sources of industrial pollution. We have not attempted to measure concentrations of chloride upon the actual corroded samples.

¹Texas Instruments, Attleboro, MA.