factory so long as one simply desires an adsorption maximum value that can be used for correlation purposes. It appears that the term $b_2C_2$ will commonly be small enough to have only minimal effect on the calculated adsorption maximum. The term will, however, significantly affect the calculated value for $b_1$. Therefore, if the equation is being rigorously solved and the bonding energies obtained, the contributions of desorbed ions cannot be ignored.

We did err by listing the observed maximum adsorption in Table 2 (Harter and Baker, 1977). In fact the highest observed adsorption of zinc included secondarily adsorbed zinc as illustrated in Fig. 1 (this letter) for soil 1-Ap. [This unreported knowledge was the basis for stating that the lack of agreement at high adsorption (Fig. 2, Harter and Baker, 1977) was due to a second adsorption mechanism. Discounting the highest data point, which is obviously secondary adsorption, we will not object if Dr. Holford feels any lack of fit in Fig. 2 (Harter and Baker, 1977) is due to multiple energy sites.] For comparative purposes in Table 2, we should more properly given have been presented as shown in Table 1 (this letter).

Thus, the calculated maxima did not underestimate actual adsorption to the extent previously indicated. Furthermore, we are not concerned as to which calculated adsorption maximum best fits observed adsorption. We doubt that there is any significant difference between them. (This may not be the case with every adsorbent-adsorbate combination, and should be checked.) The main point of our paper was not to suggest all data be analyzed by using Gauss Elimination to solve the Boyd et al. equation, but to make soil scientists aware of some limitations in using the Langmuir equation. There are numerous examples of incorrect usage of the equation in the literature. It is hoped that these discussions will provide a better base upon which to decide the manner in which future adsorption data will be analyzed.

Received 24 July 1978

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