SOME EXPERIMENTS TO ESTIMATE ERRORS IN FIELD PLAT TESTS.

T. LYTTLETON LYON,

Cornell University Ithaca, N. Y.

(Contribution from the Department of Soil Technology.)

Methods for the conduct of field experiments have received, until recently, little experimental investigation. Such investigation requires much time and land, which is thus lost to the solution of the farmers' problems, or at least to their apparent solution. Unfortunately the methods and the problems cannot usually be worked out at the same time and on the same piece of land. The study of methods has been left for the time when the experiment stations have proven their value to the public. The large number of papers on methods of field experimentation presented to this Society during the past two years indicate an appreciation of the importance of the subject by the agronomists of the country.

Errors in field plat tests may arise from a large number of sources. These may be classed under three divisions: