vol. 18 (1917), pp. 1–20); the result obtained is that among these transformations only those equivalent to Hölder's admit of the generalization of Abel's theorem. The general regular transformations permutable with M, as given by Hausdorff, are also discussed, and, finally, Abel's theorem is extended to the definition of summability of Nörlund.

40. Professor T. R. Rosebrugh: *Quantic determinants.*

In this discussion, any number of linear substitutions are given, independent of each other as to coefficients and variables. The substitution is formed which gives all corresponding new monomials linearly in terms of all the possible old monomials whose factors are taken from all substitutions, and from each to a total degree assigned to that substitution. The algebraic composition of this determinant is found without assumptions by examination of the effect of certain linear partial-derivative operators upon it. From this general result, by specialization in different directions, theorems previously given by Kronecker, Faà di Bruno, and Scholtz may be obtained.

R. G. D. RICHARDSON,
Secretary

A CORRECTION

In the last line of page 140 of the March-April issue (this Bulletin, vol. 33 (1927)),

instead of $\left\{f(x) - \left[T_n(x)\right]\right\}^2$,   read $\left\{f(x) - \left[T_n(x)\right]^2\right\}^2$.