10. Professor Dickson has found certain polynomial modular invariants and properties of such invariants for the case of a binary n-ic and a prime modulus P. In this paper Professor McAtee generalizes these invariants for the case of a binary quadratic and modulus a power of a prime, P^λ. Then these invariants are specialized for the case $P = \lambda = 2$ and a fundamental system is exhibited modulo 4.

11. With a view toward applications to the expansion of functions in terms of given functions, Professors Hedrick and Ingold have been led to study the properties of a general linear distributive operation $L[f(x), \varphi(x)]$ on a pair of functions $f(x)$ and $\varphi(x)$. In this paper, it is shown that such an operation leads at once to a general formula of which Bessel's inequality is a special case. Other related formulas are also generalized.

A similar operator, defined only for the product $f(x) \cdot \varphi(x)$ has been studied by Moore. (See BULLETIN, volume 18, pages 334–362.)

12. Professor Roever gives a geometric explanation of elliptical light curves seen in a highly scratched plate illuminated by a point source.

<div style="text-align:right">

O. D. KELLOGG,
Secretary of the Section.

</div>

NOTE ON CONJUGATE NETS WITH EQUAL POINT INVARIANTS.

BY DR. G. M. GREEN.

IN my second memoir on conjugate nets on a curved surface,[*] I gave a new characterization of conjugate nets with, equal Laplace-Darboux invariants. The theorem as there stated, however, is not quite complete, and it is the purpose of this note to supply the necessary refinement, as well as to generalize the theorem and put it into relation with another,

---

[*] *Amer. Journal of Mathematics*, vol. 38 (1916), pp. 287–324. See in particular p. 313.