

BIBLIOGRAPHIE.

The University Press.

Chicago.

ALBERT, ADRIAN, Modern higher algebra. XIV + 319 p. 8. 1937. \$ 4.00.

Groups and rings. — Rings with a unity element. — Matrices. — Similarity of square matrices. — Symmetric and skew matrices. — Finite groups. — Fields over \mathfrak{F} . — The Galois theory. — Cyclic fields. — Algebras of matrices. — Introduction to the transcendental theory of fields. — Valuation functions. — Glossary.

Contributions to the Calculus of Variations 1933—1937. Theses, Chicago, 566 p. 8. 1937. \$ 3,00.

BOWER, The Problem of Lagrange with finite side conditions. — COSBY, Fields for multiple integrals. — MANCILL, The minimum of a definite integral with respect to unilateral variations. — TEACH, The Hamilton-Jacobi theory for the problem of Lagrange in parametric form. — PERLIN, Sufficient conditions for a minimum in the problem of Lagrange with isoperimetric conditions. — WIGGIN, A boundary value problem. — BARDELL, The inequalities of Morse for a parametric problem. — GOLDSMITH, Conditions for a minimum of a functional. — MOSCOVITCH, Studies of the inverse problem of the calculus of variations. — VALENTINE, The problem of Lagrange with differential inequalities as added side conditions. — DENBOW, A generalized form of the problem of Bolza. — HOUSEHOLDER, The dependence of a focal point upon curvature. — SMILEY, Discontinuous solutions for the problem of Bolza in parametric form.

Akadem. Buchhandlung Focken u. Oltmanns.

Dresden.

KLEE, R., Über die einfachen Konfigurationen der euklidischen und der projektiven Ebene. 67 p. 8. RM. 3.—.

Grundbegriffe. — Die euklidische Ebene. — Die projektive Ebene. — Anhang: Ausblick auf die räumlichen Konfigurationen.