

the like, and is interspersed with numerous useful hints and cautions. In the 48 pages of chapter X., the author gives a concise statement of the fixation, sectioning, staining and mounting of tissues, together with brief discussions of microtomes and section knives, drawings for book illustrations, and the preparation of models. The practicability of the method for making models of blotting paper will appeal to all biological workers.

The book is remarkably free from typographical errors. Only two or three insignificant ones have been noted by the reviewer, as: the omission of the prime marks of $A'B'$, Fig. 15, page 6; *ecently* for *recently*, page 260; and *specimen* for *specimen*, page 282.

An extended review of the book would be superfluous as its merits are already sufficiently known to the readers of SCIENCE. Its past success is adequate commentary on the author's judgment as to what is needful in a book devoted to the principles involved in making microscopic observations.

MICHAEL F. GUYER

SCIENTIFIC JOURNALS AND ARTICLES

THE April number (volume 10, number 2) of the *Transactions of the American Mathematical Society* contains the following papers:

L. E. Dickson: "General theory of modular invariants."

I. Schur: "Beiträge zur Theorie der Gruppen linearer homogener Substitutionen."

E. J. Wilczynski: "Projective differential geometry of curved surfaces (fourth memoir)."

Edward Kasner: "Natural families of trajectories: conservative fields of force."

G. W. Hartwell: "Plane fields of force whose trajectories are invariant under a projective group."

W. A. Manning: "On the order of primitive groups."

G. D. Birkhoff: "Existence and oscillation theorem for a certain boundary value problem."

Maxime Böcher: "On the regions of convergence of power series which represent two-dimensional harmonic functions."

THE April number (volume 15, number 7) of the *Bulletin of the American Mathematical*

Society contains: Report of the February meeting of the society, by F. N. Cole; "Bézout's Theory of Resultants and its Influence on Geometry" (presidential address), by H. S. White; "On the Representation of Numbers by Modular Forms," by L. E. Dickson; "Note on Lüroth's Type of Plane Quartic Curves," by H. S. White and K. G. Miller; "Cantor's History of Mathematics," by D. E. Smith; "Shorter Notices": Slaughter and Lennes' High School Algebra, by E. B. Lytle; Schoenflies' Einführung in die Hauptgesetze der zeichnerischen Darstellungsmethoden, by Virgil Snyder; Laurent's Géométrie Analytique Générale, by E. B. Cowley; Petit-Bois' Tafeln unbestimmter Integrale, by E. L. Dodd; Annuaire du Bureau des Longitudes, by E. W. Brown; "Notes"; "New Publications."

THE May number of the *Bulletin* contains: Report of the February meeting of the San Francisco Section, by W. A. Manning; "The Construction of a Space Field of Extremals," by E. G. Bill; "The Second Variation of a Definite Integral," by A. L. Underhill; "A Simpler Proof of Lie's Theorem for Ordinary Differential Equations," by L. D. Ames; "Heath's Euclid," by D. E. Smith; "Shorter Notices": Czuber's Differential- und Integralrechnung, by L. W. Dowling; Fabry's Traité de Mathématiques Générales, by C. L. E. Moore; Schubert's Auslese aus meiner Unterrichts- und Vorlesungspraxis and Loria's Passato ed Presente delle Teorie Geometriche, by Edward Kasner; Müller's Führer durch die mathematische Literatur, by G. A. Miller; Voss' Ueber das Wesen der Mathematik, by Florian Cajori; "Notes"; "New Publications."

BOTANICAL NOTES

THE BOTANY OF THE FAERÖES

EIGHT years ago under the general direction of Professor Dr. Eugene Warming the first volume of a comprehensive work on the vegetation of the Faeröes Islands was published simultaneously in Copenhagen (Det Nordiske Forlag) and London (John Wheldon & Co.). It contained 340 pages of text, ten plates and