

behavior of the medium. The concluding chapter, titled Elastic and Hyperelastic Materials, discusses more general elastic behavior of materials and concludes with a section on stability.

A good number of examples are worked out in the text and, with the exception of the last two chapters, each chapter ends with a good set of problems. The notation at times is somewhat cumbersome, involving excessive use of Roman numerals and starred symbols.

The book would be useful as a beginning for any student who plans a specialized study of any of the branches of the mechanics of continua or to someone who wishes to get an idea of the field without specializing in any of its branches. The presentation is clear and simple and the book is easy to read.

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The following books have also been received; they are in most cases, new editions or reprints, of older, well-known books or table works.

Lectures on the Calculus of Variations, by O. Bolza. 2nd edition. Dover Publications Inc., New York, 1961. ix + 271 pages. \$1.65.

Lectures on the Calculus of Variations, by O. Bolza. 2nd edition. Chelsea Publishing Company, New York, 1961 (1904). ix + 271 pages. \$1.19.

The Calculus of Finite Differences, by G. Boole. Edited by J. F. Moulton. Fourth edition. Reprint 1960 from 1872 edition. Chelsea Publishing Company, New York, 1960. \$1.39. Cloth \$3.95.

The Mathematical Theory of Non-uniform Gases, by Chapman, Sand, T. G. Cowling. Cambridge 1960. MacMillan Company of Canada. xxiii + 431 pages. \$2.95.

Exploitation de relevés expérimentaux, by Geneviève Coulmy. *Manuels de calculs techniques*, Vol. IV. Gauthier Villars et Cie, Paris, 1962 (2 May). xiii + 186 pages. 20NF.

Tables of the Mathematical Functions, Vol. III, by H. T. Davis and Vera J. Fisher. Arithmetical Tables. The Principia Press of Trinity University, San Antonio, Texas, 1962. ix + 554 pages. \$8.75.

Tables of Integrals and Other Mathematical Data, by H. B. Dwight. Third edition. Brett Macmillan Ltd., Galt, Ontario, 1957. x + 288 pages. \$3.00.

The Mathematical Theory of Relativity, by A. S. Eddington. Cambridge University Press, 1960. Macmillan Company of Canada. ix + 270 pages. \$2.95.

An Index of Mathematical Tables, by A. Fletcher, J. C. P. Miller, L. Rosenhead, L. J. Comrie. Vol. I, Index According to Functions. xi + 608 pages. Vol. II, Bibliography, Lists of Errors in Published Tables, References. iv + 386 pages. Addison Wesley Publishing Company Inc., Reading, Mass., 1962. \$42.00

Calculus of Extension, by H. G. Forder. Chelsea Publishing Company, 50 E. Fordham Road, New York 68, N. Y., U. S. A. \$4.95.

Topology of Three Manifolds and Related Topics, M. K. Fort (Ed.). Proceedings of the 1961 Topology Institute at the University of Georgia. Prentice Hall Inc. Publications, Englewood Cliffs, New Jersey, 1962. ix + 256 pages. \$10.00.

Algebraical and Topological Foundations of Geometry, H. Freudenthal (Ed.). Proceedings of a Colloquium at Utrecht, August 1959. Symposium Publications Division, Pergamon Press, Oxford. vii + 208 pages. \$10.00.

Mathématiques Générales, Synthèse élémentaire, by Maurice Godefroy. Gauthier Villars and Cie., Paris, 1961. 187 pages. 16NF = \$3.50.

Intermediate Pure Mathematics, by H. A. Hayden, C. G. Paradine, and R. N. Giles. Longmans Canada Limited, 137 Bond Street, Toronto, 1962. vii + 695 pages. \$5.05.

College Plane Geometry, by E. M. Hemmerling. J. Wiley, New York, 1958. ix + 310 pages. \$4.95.

The Mathematical Theory of Electricity and Magnetism, by Sir James Jeans. Fifth edition. Cambridge University Press, 1960. Macmillan Company of Canada. 652 pages. \$3.95.

Summation of Series, by L. B. W. Jolley. Second revised edition. Dover Publications Inc., New York, 1961. xii + 251 pages. \$2.00.

Theory of Numbers, by G. B. Mathews. Chelsea Publishing Company, New York, 1961. xii + 323 pages.

Geometry for Advanced Pupils, E. A. Maxwell. Oxford University Press, Toronto. 176 pages. \$3.75.

Russian Reader in Pure and Applied Mathematics, by P. H. Nidditch. University Mathematical Texts. Oliver and Boyd Ltd. and J. Wiley and Sons Inc., New York 16, N. Y., 1962. x + 166 pages. \$2.25.

Tables of Indefinite Integrals, by G. Petit Bois. Dover Publications, New York, 1961. xiv + 151 pages. \$1.65.

A Course of Mathematics for Engineers and Scientists, by C. Plumpton and B. H. Chirgwin. Vol. I, viii + 326 pages. Sh. 25. Vol. II, viii + 382 pages. Sh. 30. Pergamon Press, Oxford, England, 1961.

Theory of Functions as Applied to Engineering Problems, by R. Rothe, F. Ollendorff, K. Pohlhausen. Dover Publications Inc., New York, 1961. x + 189 pages. \$1.35.

Treatise on Conic Sections, by G. Salmon. Sixth edition. Chelsea Publishing Company, New York, 1962. xv + 399 pages. \$1.95. Cloth-bound \$3.50.

Projective Methods in Plane Analytical Geometry, by C. A. Scott.  
Third edition. Chelsea Publishing Company, New York, N. Y., 1961  
(1894). xii + 290 pages.

Proceedings of the International Symposium on Linear Spaces,  
held at the Hebrew University of Jerusalem, on July 5-12, 1960.  
Published by Israel Academy of Sciences, Jerusalem Academic Press -  
Pergamon Press. Jerusalem, 1961. xi + 452 pages. £5 = \$14.00.

