BRIEF MENTION

*The theory of groups.* 2d ed. By H. J. Zassenhaus. New York, Chelsea, 1958. 10+265 pp. $6.00.

From the preface to the second edition: "The revision of this work consists almost entirely of additions to the material of the first edition." These additions consist of material on lattices following the proof of the Jordan-Hölder Theorem, some general remarks on semi-groups, semi-modules, and semi-rings, and several appendices which discuss lattices, free products, groups given by generators and defining relations, and Wielandt's theorem on the automorphism tower. There are many new exercises. For a review of the first edition see this Bulletin, vol. 44, pp. 478–479.

*Théorie des distributions.* Vol. 2. 2d ed. By L. Schwartz. Actualités Scientifiques Industrielles, no. 1122. Paris, Hermann, 1959. 173 pp.

The first edition was reviewed in this Bulletin, vol. 58, pp. 78–85. The changes are mostly additions of footnotes and bibliography.

*Étude des sommes d'exponentielles.* 2d ed. By L. Schwartz. Actualités Scientifiques Industrielles, no. 959. Paris, Hermann, 1959. 151 pp.

To the two chapters which constituted the first edition (1943), cf. this Bulletin, vol. 52, p. 976, a third has been added, originally published in the Annales de la Faculté des Sciences de Toulouse (1943) pp. 111–176, under the title *Approximation d'une fonction quelconque par des sommes d'exponentielles imaginaires.*

*Il teorema di Riemann-Roch per curve, superficie e varieta, questioni collegate.* By F. Severi. Ergebnisse der Mathematik und ihrer Grenzgebiete, vol. 17, new series. Berlin-Göttingen-Heidelberg, Springer, 1958. 8+131 pp. DM 23.60.

*Elasticity and plasticity.* By J. N. Goodier and P. G. Hodge, Jr. Surveys in Applied Mathematics, vol. 1. New York, Wiley, 1958. 9+152 pp. $6.25.

*Dynamics and nonlinear mechanics.* By E. Leimanis and N. Minorsky. Surveys in Applied Mathematics, vol. 2. New York, Wiley, 1958. 12+206 pp. $7.75.

*Some aspects of analysis and probability.* By I. Kaplansky, E. Hewitt, M. Hall and R. Fortet. Surveys in Applied Mathematics, vol. 4. New York, Wiley, 1958. 11+243 pp. $9.00.

Each volume of this new series contains one or more articles surveying in summary fashion the current state of the fields they cover. The

articles are aimed not so much at research specialists as at a broader audience looking for contemporary information on important problems and results in these disciplines. A special effort is made to cover contributions by Russian authors, as well as the Western literature.

*Probability and statistics.* The Harald Cramér volume. Ed. by U. Grenander. New York, Wiley, 1959. 434 pp. $12.50.

A book of studies in probability and statistics presented to Harald Cramér in honor of his 65th birthday. There are 19 papers by T. W. Anderson, M. S. Bartlett, J. L. Doob, G. Elfving, W. Feller, E. Fix, J. L. Hodges, E. L. Lehmann, U. Grenander, M. Kac, D. G. Kendall, P. Lévy, P. Masani, N. Wiener, J. Neyman, H. Robbins, M. Rosenblatt, C. O. Segerdahl, J. W. Tukey, S. S. Wilks, and H. Wold.

*Principles of mechanics.* 3d ed. By J. L. Synge and B. A. Griffith. New York, McGraw-Hill, 1959. 17+552 pp. $9.50.

For a review of the first edition, see this Bulletin, vol. 49, pp. 208–211. In this edition there has been added a third part, devoted to general methods, especially Hamiltonian theory.

*Group theory, and its application to the quantum mechanics of atomic spectra.* By E. P. Wigner. Trans. from the German by J. J. Griffin. New York, Academic Press, 1959. 11+372 pp. $8.80.

This expanded and improved edition includes a translation of the entire text of the original as well as three new chapters by the author, on Racah coefficients, time inversion, and the classical limits of representation coefficients and three- and six-$j$ symbols.

*Lectures on Fourier integrals.* With an author's supplement on monotonic functions, Stieltjes integrals, and harmonic analysis. By S. Bochner. Trans. by Morris Tenenbaum and Harry Pollard. Annals of Mathematics Studies, no. 42. Princeton University Press, 1959. 9+333 pp. $5.00.

The supplement is a translation of the author's paper in Math. Ann. vol. 108 (1933) pp. 378–410.

*Differential geometry.* By E. Kreyszig. Mathematical Expositions, no. 11. University of Toronto Press, 1959. 14+352 pp. $8.50.

This book is the author's free translation of his *Differentialgeometrie* published in 1957. Cf. this Bulletin, vol. 65, pp. 108–109.

*The theory of thin shells.* By V. V. Novozhilov. Trans. from the Russian by P. G. Lowe, ed. by J. R. M. Radok, Groningen, Noordhoff, 1959. 16+376 pp. $9.50.

*Opere.* By U. Dini. Vol. 4: *Serie di Fourier.* Vol. 5: *Sviluppi in serie.* Rome, Cremonese, 1959. 9+273 pp. and 296 pp. L. 3000 each, or L. 22,500 (5 vols.).

*The collected works of George Abram Miller.* Vol. 5. Urbana, University of Illinois Press, 1959. 12+474 pp. $7.50.

This volume contains the last of Professor Miller's publications on the subject of finite groups.

*Ramanujan.* By G. H. Hardy. New York, Chelsea, 1959. 9+236 pp. $3.95.

This is a reprint of twelve lectures on subjects suggested by Ramanujan's life and work, originally published by Cambridge University Press.