Although it appears to be primarily intended for students who are not majoring in mathematics, the standard of rigor is rather high; the treatment of Cauchy's theorem is close to that in Ahlfors' *Complex variables*.

The book contains many exercises, most of them rather easy.

In some instances the nomenclature is a bit old-fashioned (functions are allowed to be "multiple-valued," connected = arcwise connected).

Misprints are rather plentiful.

<div align="right">W. H. J. Fuchs</div>

Brief Mention

Reflections of a mathematician. By L. J. Mordell. Montreal, Canadian Mathematical Congress, 1959. 7+50 pp.

A personal account, partly psychological and partly autobiographical, of how mathematics as a subject and as an activity appears now to a distinguished number theorist.

Gödel's proof. By E. Nagel and J. R. Newman. New York, New York University Press, 1958. 9+118 pp. $1.75 paper, $2.95 cloth.

An excellent nontechnical account of the substance of Gödel's celebrated paper *On formally undecidable propositions of Principia Mathematica and related systems*, which makes the leading ideas of the proof intelligible to the nonspecialist.

Conduction of heat in solids. 2d ed. By H. S. Carslaw and J. C. Jaeger. New York, Oxford University Press, 1959. 10+510 pp. $13.45.

A revision of the edition of 1946 carried out by the second author. Two new chapters have been added, one on integral transform notation and one on numerical methods.

Theory of relativity. By W. Pauli. Trans. from the German by G. Field, with supplementary notes by the author. New York, Pergamon, 1958. 14+241 pp. $6.00.

Translated from the article *Relativitätstheorie* in Encyklopädie der mathematischen Wissenschaften, vol. V19, Leipzig, Teubner, 1921.

Mathematics dictionary. 2d ed. By Glenn James and R. C. James. Princeton, Van Nostrand, 1959. 546 pp. $15.00.

An enlargement and revision of the edition of 1949 to cover not only elementary mathematics but basic terms from most branches of

analysis, algebra, topology, mechanics, statistics, number theory, vector spaces, game theory, linear programming, and numerical analysis. Most entries are not merely definitions but brief explanations of terms and basic theorems, with cross references to related entries. Included also are a few standard tables and a multilingual index in French, German, Russian, and Spanish, giving English equivalents of a limited number of words and phrases. A useful reference for the student or former student, and for the expert outside of his field.

Symposium internacional de topologia algebraica. National University of Mexico and UNESCO, 1958. 12+334 pp.

Proceedings of a symposium held in Mexico City in August, 1956. The volume is dedicated to the memory of Witold Hurewicz and is prefaced with his picture. Included are 28 papers on various topics in topological algebra, by W. Hurewicz and E. Fadell, H. Cartan and S. Eilenberg, J. P. Serre, R. Thom, D. C. Spencer, M. F. Atiyah, R. Raffin, S. S. Chern, H. Cartan, J. Milnor, F. Hirzebruch, W. S. Massey, E. Thomas, F. P. Peterson, N. E. Steenrod, J. Adem, I. M. James, D. M. Kan, J. C. Moore, J. H. C. Whitehead, E. H. Spanier, P. J. Hilton, R. Bott and H. Samelson, H. Whitney, B. A. Rattray, J. Eells, Jr., P. Dedecker, and I. Fary.

Contributions to the theory of nonlinear oscillations. vol. 4. Ed. by S. Lefschetz. Annals of Mathematics Studies, no. 41. Princeton University Press, 1958. 9+211 pp. $3.75.

A collection of 10 papers, by S. Kakutani and L. Markus, S. Lefschetz, D. Bushaw, R. DeVogelaere, D. L. Slotnick, W. T. Kyner, G. Seifert, H. A. Antosiewicz, P. Mendelson, and R. Bass.

Numerische Mathematik. vol. 1, no. 1. Berlin-Göttingen-Heidelberg, Springer, January, 1959. 60 pp. DM 16.80.

This is the first number of a new international journal, edited by R. Sauer, E. Stiefel, J. Todd, and A. Walther. In it will be published papers concerned with general problems of digital computation, discussion of new or existing numerical methods, and the exploitation of automatic digital computers from the point of view of both the numerical analyst and the programmer. Papers on information theory will also be included. Five numbers will constitute a volume, priced not to exceed DM 100.