REVIEWS AND DESCRIPTIONS OF TABLES AND BOOKS

1[A–F, G–I, K, M]—NINA M. BURUNOVA, *Spravochnik po matematicheskim tab-litsam, Dopolnenie N. 1* (*Handbook on Mathematical Tables, Supplement No. 1*), Izdatel'stvo Akad. Nauk SSSR, Moscow, 1959, 184 p., 26 cm. Price 9 rubles.

This is a first supplement to the important work by Lebedev and Fedorova [1], which appeared in 1956. The arrangement is similar to that of the original, with a Part I in fifteen chapters listing the contents of the various tables, which are re-ferred to by number, and a Part II giving the numbered references, separately for each chapter.

With two small exceptions, the titles of the chapters are unchanged. The trans-lated heading of Chapter IV, formerly "Decimal and natural logarithms," is now simply "Logarithms"; this allows the inclusion of a few tables of logarithms to base 2. Chapter XV, besides the former "Prime numbers, factors, products, quotients and fractions," now covers also "Conversion from one system of numeration to another"; this accommodates a few tables which deal with binary-decimal and simi-lar conversions. A three-page list of functions, giving references to both *Handbook* and *Supplement*, also shows a few additional categories not involving alteration of chapter headings.

As in the original Part II, references to works in Russian are naturally given in Cyrillic characters, but the far more numerous references to other works are given in roman characters. A mathematician knowing no Russian could probably contrive to use the greater part of the book.

Like the original work, the supplement is very welcome.

A. F.

1. A. V. LEBEDEV & R. M. FEDOROVA, *Spravochnik po matematicheskim tablitsam*, Moscow, 1956. See RMT 49, *MTAC*, v. 11, 1957, p. 104–106.

2[A–E, G, J, M, Q]—FRIEDRICH O. RINGLEB, *Mathematische Formelsammlung*, (7th ed.) Sammlung Göschen Band 51/51a, Walter de Gruyter & Co., Berlin, 1960, 320 p., 16 cm. Price DM 3.60.

This little German volume, from the *Sammlung Göschen*, is an enlarged version (42 extra pages, 3 extra figures) of the 1956 edition written by O. Th. Bürkeln. It is a classified collection of formulae and standard theorems from all branches of (essentially) undergraduate mathematics. As such, there is some, but not too much, overlap with similar collections, such as the well-known *Smithsonian Mathematical Formulae*. It is entirely different, however, from the numerical analysis handbook in the Sammlung Göschen, *Formelsammlung zur praktischen Mathematik*, by Günther Schulz.

One (probably not anticipated) use to students of this little book is as a pleasant means of picking up a basic mathematical German vocabulary. The sentences are short, factual, and not unduly encumbered by grammar or philosophy.

The sixteen chapter headings are: Arithmetik und Kombinatorik, Algebra, Zah-lentheorie, Elementare Reihen, Ebene Geometrie, Stereometrie, Ebene Trigono-metrie, Sphärische Trigonometrie, Mathematische Geographie und Astronomie,