

127[L, M].—V. M. BELYAKOV, R. I. KRAVTSOVA & M. G. RAPPOPORT, *Tables of Elliptical Integrals*, Part 1, translated by PRASENJIT BASU, Pergamon Press, Ltd., Oxford, England, distributed by the Macmillan Company, New York, 1965, xiii + 647 pp., 26 cm. Price \$20.00.

This is the English edition of the Russian table previously reviewed in *Math. Comp.*, v. 18, 1964, RMT 93, p. 676–677. For technical details see that review. In preparation for the photographic reproduction the known typographical errors in the Russian edition were corrected, and the frequently imperfect ruling there was mended. The present binding is stronger, but is not very attractive.

The translator's rendition of the title is a little curious; normally it would be translated as *Tables of Elliptic Integrals, Volume 1*. Even more gauche, but not without a certain rhythmical quality, is the designation for $K(k^2)$ and $E(k^2)$ in Table VI as *Total Elliptical Integrals*. On the other hand, the Russian price of 5 rubles, 14 kopecks is translated, with an admirable, no-nonsense attitude, as \$20.00.

For a description of another recent table of these functions, see the review of the table by Fettis and Caslin, *Math. Comp.*, v. 19, 1965, RMT 81, p. 509.

D. S.

128[L, M].—K. A. KARPOV, *Tables of the Function $w(z) = e^{-z^2} \int_0^z e^{x^2} dx$ in the Complex Domain*, The Macmillan Company, New York, 1965, xxi + 519 pp. + 1 insert, 27 cm. Price \$19.75.

This book, which is volume 27 of the Pergamon Press Mathematical Tables Series, is an English translation of the Russian *Tablitsy funktsii $w(z) = e^{-z^2} \int_0^z e^{x^2} dx$ v kompleksnoi oblasti*, published in 1954 by the Academy of Sciences, U.S.S.R. The Russian edition has been previously reviewed in this journal (*MTAC*, v. 12, 1958, pp. 304–305).

The translation by D. E. Brown of the introduction is excellent, and the typography is uniformly good.

J. W. W.

129[L, M].—N. V. SMIRNOV, Editor, *Tables of the Normal Probability Integral, the Normal Density, and its Normalized Derivatives*, The Macmillan Company, New York, 1965, xvi + 125 pp., 28 cm. Price \$7.50.

This set of tables, constituting Volume 32 of the Mathematical Tables Series of Pergamon Press, is a translation by D. E. Brown of *Tablitsy normal'nogo integrala veroyatnostei, normal'noi plotnosti i yeye normirovannykh proizvodnykh*, published in 1960 by the Academy of Sciences of the U.S.S.R.

Table I consists of 7D approximations to the values of the normal probability integral

$$\Phi_0(x) = (2\pi)^{-1/2} \int_0^x e^{-(1/2)t^2} dt$$

and its derivative, the normal probability density function, for $x = 0(0.001)2.5(0.002)3.4(0.005)4(0.01)4.5$, together with first differences.

Table II gives the same functions to 10D, without differences, for $x = 4.5(0.01)6$.