to plow through the abundant formulas. There are a few minor misprints including the spelling of Loeve on p. 155 and some little *o*'s for big *O*'s on p. 176. But, on the whole, the printing is pleasant to look at.

KAI LAI CHUNG

Mathematics Department
Stanford University
Stanford, California 94305

56 [7].—MURRAY GELLER & EDWARD W. NG, "A table of integrals of the exponential integral," *J. Res. Nat. Bur. Standards—B. Mathematical Sciences*, v. 73B, 1969, pp. 191–210.

The main part of this exhaustive compilation consists of a total of 202 definite and indefinite integrals of products of the exponential integral with both elementary and transcendental functions.

Also included in this paper is a brief introduction enumerating the procedures followed in obtaining the tabular entries and citing applications in diffusion theory, transport problems, astrophysics, and quantum mechanics. This is followed by sections giving, respectively, a glossary of relevant functions and notations, the definition, special values, and integral representations of the exponential integral.

A list of 15 references is appended; these include several standard collections of integrals, as well as publications relating specifically to the exponential integral and its applications.

J. W. W.

57 [7].—EDWARD W. NG & MURRAY GELLER, "A table of integrals of the error functions," *J. Res. Nat. Bur. Standards—B. Mathematical Sciences*, v. 73B, 1969, pp. 1–20.

The greater part of the definitive table in this paper consists of the systematic tabulation of a total of 179 definite and indefinite integrals of products of the error function and its complement with both elementary and transcendental functions.

Preliminary sections of the paper include an introduction enumerating the procedures followed in obtaining these integrals and citing several applications, a glossary of pertinent functions and notation, and analytic definitions and integral representations of the error function and related functions.

Appended to the main table is a table of 16 relevant integrals of elementary functions. A list of 16 references includes several standard tables of integrals from which many of the tabular entries were taken and a number of papers relating to applications in atomic physics, astrophysics, and statistical analysis.

J. W. W.