Chapters I through V, IX and X could be the core of an advanced, one-semester course in matrix theory including elementary group representation theory. Selected topics from the remaining chapters could more than easily complete a one-year sequence.

This reviewer believes that Integral Matrices will certainly take its place among the very best in mathematical expositions: it deals with interesting material; it is packed with information; and it is intelligible.

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6 [7, 9].-Robert Spira, Table of $e^{\pi V_{n}}$, Michigan State University, East Lansing, Michigan. Ms. of 9 typewritten pp. deposited in the UMT file.

This unpublished table consists of 15D values of $e^{\pi \sqrt{n}}$ for $n=1(1) 200$. Because of the increasing size of the integer parts of these numbers, the corresponding number of significant figures in the tabular entries ranges from 17 to 35 . In the introduction we are informed that this table was calculated in order to test the author's general multiple-precision Fortran subroutines for the elementary functions. Each entry was computed in about four seconds on a CDC 3600 system, using 117S decimal arithmetic.

The author refers to a listing of decimal approximations to six of these numbers in the FMRC Index [1], and he notes his confirmation of terminal-digit errors in two of them, originally announced by Larsen [2].

This table should be of particular interest to number-theorists because of the known relation between the fractional part of $e^{\pi \sqrt{n}}$ and the number of classes of binary quadratic forms of determinant equal to $-n$, as mentioned by D. H. Lehmer [3].

> J. W. W.

1. A. Fletcher, J. C. P. Miller, L. Rosenhead \& L. J. Comrie, An Index of Mathematical Tables, 2nd ed., Addison-Wesley Publishing Co., Reading, Massachusetts, 1962.
2. Math Comp., v. 25, 1971, p. 200, MTE 474.
3. MTAC, v. 1, 1943, pp. 30-31, QR 1.

7 [9].-R. P. Brent, The Distribution of Prime Gaps in Intervals up to $10^{16}$, Australian National University, 1973, iv +62 pp . deposited in the UMT file.

These tables are analogous to the Table 2 of Brent's paper [1]. For all primes $p$ such that $N<p<N^{\prime}$, the number of gaps

$$
p_{i+1}-p_{\imath}=g
$$

are tabulated for each $g=2,4,6, \cdots$ that occurs in $\left(N, N^{\prime}\right)$. The estimated total

