209.—J. V. Uspensky, *Introduction to Mathematical Probability*, 1937.

On page 407, Table of the Probability Integral
for $\phi(z) = .499997$ *read* .500000

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UNPUBLISHED MATHEMATICAL TABLES

In this issue an Unpublished Manuscript Table is referred to in RMT **990.**

144[F].—A. Gloden & J. Bonneau, *Factorization of $N^4 + 1$ for isolated values of N between* 30000 *and* 40000. One page typewritten manuscript. Deposited in UMT File.

The table contains 88 factorizations, all complete. No primes are given. [For previous tables of this kind see *MTAC*, v. 2, p. 211, 252, 300; v. 3, p. 21, 118–119, 486; v. 4, p. 24; v. 5, p. 133–134.]

145[D, F].—D. H. Lehmer, *Table of Cyclotomic Cosines*. Ten manuscript pages tabulated from punched cards. On deposit in the UMT File. Also available on punched cards.

The table gives 20D values of

$$2 \cos 2\pi k/p \quad \text{for} \quad k = 1(1)(p-1)/2$$

for every odd prime $p < 100$. There are 517 values in all. Thus the table gives twice the real parts of the p-th roots of unity.

146[F, L].—D. H. Lehmer, *Table of Kloosterman Sums*. Twenty manuscript pages tabulated from punched cards. On deposit in the UMT File. Also available on punched cards.

The table gives 19D values of

$$\text{Sp}(k) = \sum_{n=1}^{p-1} \exp\{2\pi i(kn + \bar{n})/p\} \quad (n\bar{n} \equiv 1 \pmod{p})$$

for $k = 1(1)p - 1$ and for every odd prime $p < 100$. The table was computed from UMT **145**, and contains 1034 entries. These sums appear in Fourier coefficients of many elliptic modular functions.

AUTOMATIC COMPUTING MACHINERY

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TECHNICAL DEVELOPMENTS

THE SERIAL–MEMORY DIGITAL DIFFERENTIAL ANALYZER

Introduction. In January, 1950, the first model of a digital differential analyzer became a working reality. This machine was entirely contained