131. Recent Discoveries of Large Primes. Ever since Lucas announced the discovery of the prime $2^{127} - 1$ in 1876, many attempts have been made to discover larger primes. These attempts have succeeded only recently as follows:

(a) A. Ferrier[1] has identified $(2^{148} + 1)/17$ as a prime, using a method based on the converse of Fermat's theorem and a desk calculator.

(b) Using the same method and the EDSAC, Wheeler and Miller[2,3] have proved the primality of $1 + k(2^{127} - 1)$ for $k = 114, 124, 388, 408, 498, 696, 738, 744, 780, 934, 978$, and finally $1 + 180(2^{127} - 1)^2$, a number of 79 decimal digits.

(c) Using the standard Lucas test for Mersenne primes as programmed by R. M. Robinson, the SWAC has discovered the primes $2^{521} - 1$ and $2^{607} - 1$ on January 30, 1952. These lead to the 13th and 14th perfect numbers.

D. H. L.

[1] Letter of July 14, 1951.
[2] J. C. P. Miller & D. J. Wheeler, "Large prime numbers," *Nature*, v. 168, 1951, p. 838.
[3] J. C. P. Miller, "Large primes," *Eureka*, 1951, no. 14, p. 10–11.

QUERIES

40. Table of Multiplication.—Brown University has just acquired a copy of J. B. Oyon, *Tables de Multiplication, A l'Usage de MM. les Géomètres*. Second edition, Paris, 1812; quarto, 507 p., bound in two volumes. This work gives the product of all integer pairs up to 509×500. There is no indication of any author's name, but in the *Catalogue Général des Livres emprimés de la Bibliothèque National*, v. 128, we find the work listed under Oyon's name in a third edition, Paris, 1824; and also a fourth edition, v. 2, Lyon, 1864, which seems to continue the table to 509×1000. The Catalogue's first publication listed after Oyon's name is a 4-volume *Collection des Lois, Arrêtés, Instructions . . .* , Paris, 1804–1808.

Where may information concerning Oyon be found? When was the first edition of his *Tables* published and where may it be consulted? The third edition is also in the British Museum. What other libraries have the second and fourth editions?

R. C. Archibald

Brown University
Providence, R. I.

CORRIGENDA

V. 5, p. 67, eqn. (2), *for* $=$ *read* $\doteq$.
V. 5, p. 116, l. -10, -9, *for* Column of Probabilities *read* Column of Expectations.
V. 5, p. 118, l. 20, *for* ten *read* $n + 2$.
V. 5, p. 119, l. -8, *for* C to N *read* C to NX.
V. 5, p. 130, l. 17, *for* k_2/h *read* $k_2/2$.
V. 5, p. 163, l. 11, *for* K *read* $\bar{K}$.
V. 5, p. 167, l. -15, *for* A. C. *read* C. A.
V. 5, p. 167, l. -14, *for* Camb. Phil. Soc. *Proc.*, *read* *Phil. Mag.*
V. 5, p. 258, l. -3, *for* 49 *read* 39.