

ERRATUM TO "ON CHARACTER SUMS AND POWER RESIDUES"

BY

KARL K. NORTON

1. In formula (2.2), p. 207, the summation on the right should be

$\sum_{1 \leq z \leq n, (z, n)=1}$ (i.e., no n above the summation sign). In the second line from the bottom of p. 207, it should read $\sum_{1 \leq z \leq n, (z, n) > 1}$, and at the bottom of p. 208, it should read $\sum_{1 \leq k \leq n, (k, n)=1}$. In formula (3.50), p. 214, the notation should be $\sum_{w \geq 1, \mu(w)=1}$, and the same correction is required at the bottom of p. 215.

2. In Lemma 3.1, the notation $\sum_{l, m=1; l \neq m}^b$ should be $\sum_{l, m=1}^b$ (i.e., summation over all ordered pairs of integers l, m such that $1 \leq l \leq b$, $1 \leq m \leq b$, and $l \neq m$). The same correction should be made at two places in the proof of the lemma.

3. In formula (4.5), p. 216, the bar over the ψ in $\bar{\psi}(g_s)$ should be longer, so that it is clear that the complex conjugate of ψ is meant. The same comment applies in several places on pp. 222–223.

REFERENCE

1. Karl K. Norton, *On character sums and power residues*, Trans. Amer. Math. Soc. 167 (1972), 203–226.

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF COLORADO, BOULDER, COLORADO
 80302