ERRATUM TO VOLUME 34


An inexcusable elementary slip occurs in my paper, *On convolutions with the Möbius function* appearing in 34 (1972), pp. 365–372 of this journal. Namely, the statement of p. 367 following equation (6) that the three conditions placed upon \( g(x) \) ensure that \( xg''(x)/g'(x) \) is eventually nondecreasing is false. This has been kindly pointed out by Dr. K. A. Jukes, who provides the example

\[
g(x) = 1 + \int_1^x \frac{1}{t} \exp \left( - \int_1^t \frac{\sin^2 u}{u^2} \, du \right) \, dt.
\]

This satisfies all the conditions stated in the paper but \( xg''(x)/g'(x) \) is not eventually nondecreasing. Thus, the proof of Theorem 1 in the above paper is only valid if we add as condition (iv) the hypothesis that \( xg''(x)/g'(x) \) is eventually nondecreasing. Actually, a somewhat weaker condition will do for the above proof; however, Dr. Jukes informs me that he has a proof of Theorem 1 which uses only the original three conditions.

The remainder of the paper is not affected by this correction.

Department of Mathematics, University of Rochester, Rochester, New York 14627

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