

### ERRATUM TO VOLUME 34

Sanford L. Segal, *On convolutions with the Möbius function*, Proc. Amer. Math. Soc. **34** (1972), 365–372.

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.

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