1116-11-397 **Kevin McGown*** (kmcgown@csuchico.edu), **Enrique Treviño** and **Tim Trudgian**. *Resolving Grosswald's Conjecture on GRH.*

We examine Grosswald's conjecture on $g(p)$, the least primitive root modulo p. Assuming the Generalized Riemann Hypothesis (GRH), and building on previous work by Cohen, Oliveira e Silva and Trudgian, we resolve Grosswald's conjecture by showing that $g(p) < \sqrt{p} - 2$ for all $p > 409$. Our method also shows that under GRH we have $\hat{g}(p) < \sqrt{p} - 2$ for all $p > 2791$, where $\hat{g}(p)$ is the least prime primitive root modulo p. (Received August 30, 2015)