962-11-1393   **William F Galway*** (`galway@math.uiuc.edu`), 1409 W. Green St, Urbana, IL 61801. *The Density of Pseudoprimes with Two Prime Factors.* Preliminary report.

Let $P_2(x)$ denote the number of pseudoprimes $n \leq x$ of the form $n = pq$, where p, q are distinct primes. We conjecture $P_2(x) \sim C\sqrt{x}/\ln^2(x)$, where C is an explicit, although difficult to compute, constant. Our conjecture is closely related to a similar conjecture of Granville and Pomerance on the density of Carmichael numbers with k prime factors. A heuristic argument and computational evidence are given in support of our conjecture. (Received October 03, 2000)