1086-VO-1722   **Aaron M Yeager*** (`amydm6@mail.missouri.edu`), 1036 Southpark Dr. apt 1, columbia, MO 65201, and **William Banks** (`bankswd@missouri.edu`) and **Ahmet Güloğlu** (`guloglua@fen.bilkent.edu.tr`). *Carmichael meets Chebotarev.*

We show that for any finite Galois extension K of the rational numbers $\mathbb{Q}$, there are infinitely many Carmichael numbers composed solely of primes for which the associated class of Frobenius automorphisms coincides with any given conjugacy class of $\mathrm{Gal}(K|\mathbb{Q})$. This result implies that, for every natural number n, there are infinitely many Carmichael numbers of the form $a^2 + nb^2$ with a, b integers. (Received September 24, 2012)