1057-05-6   **Doron Zeilberger*** (`zeilberg@math.rutgers.edu`), Department of Mathematics, Rutgers University, 110 Frelinghuysen Rd, Piscataway, NJ 08854-8019. *3x+1.*

Paul Erdős once said that mathematics is not yet ready to tackle the notorious Collatz $3x+1$ problem, and he was probably right, as far as purely human attempts are concerned. But I believe that a creative collaboration with machinekind may increase the chance of a proof from epsilon squared to epsilon, and even if we don't find a proof, trying it out should be fun. (Received July 22, 2009)