1078-11-226   **Cameron L Stewart*** (`cstewart@uwaterloo.ca`), Department of Pure Mathematics, University
of Waterloo, Waterloo, Ontario N2L3G1, Canada. *Exceptional units and cyclic resultants.*

Let α be a non-zero algebraic integer of degree d over the rationals.Put $K = Q(\alpha)$ and let $O(K)$ denote the ring of algebraic integers of K. We shall discuss estimates for the number of positive integers n for which $\alpha^n - 1$ is a unit in $O(K)$ and for the largest positive integer n for which $\alpha^n - 1$ is a unit for j from 1 to n. (Received December 09, 2011)