1056-12-271 **Brian C Irick*** (`irick@math.utk.edu`), Department of Mathematics, 104 Aconda Court, 1534 Cumberland Avenue, Knoxville, TN 37996-0612. *On the Irreducibility of Cauchy-Mirimanoff Polynomials.* Preliminary report.

The Cauchy-Mirimanoff Polynomials are a class of polynomials that naturally arise in various classical studies of Fermat's Last Theorem. Originally conjectured to be irreducible over 100 years ago, the irreducibility of the Cauchy-Mirimanoff polynomials is still an open conjecture. Some new results will be presented. (Received August 24, 2009)