1035-05-1462 **Tom McCollum***, Lyman Briggs College, E-194 A Holmes Hall, East Lansing, MI 48825, and **Aklilu Zeleke** (zeleke@msu.edu), Lyman Briggs College, E-194 A Holmes Hall, East Lansing, MI 48825. *Some Reamrks on a Fibonacci-Type Polynomial Sequence.* Preliminary report.

Consider a Fibonacci-type polynomial sequence $F_n(x)$ given by $F_0 = 1$, $F_1 = x + 1$ and for $n \geq 2$ $F_n(x) = xF_{n-1}(x) + F_{n-2}(x)$. Let α_n be the maximal real root of F_n. We will give asymptotic results for α_n. In particular, for each $n \geq 0$, we will show that α_{2n} does not exist and α_{2n+1} forms a decreasing sequence that converges to 0. Moreover we will give a closed form expression using combinatorial terms for the coefficients a_k of x^k in F_n, $(k = 0, 1, 2, ..., n)$. (Received September 19, 2007)