1096-12-795 **Joshua Harrington** and **Lenny Jones*** (lkjone@ship.edu), Shippensburg University, PA. A Class of Irreducible Polynomials.

Let

$$f(x) = x^{n} + k_{n-1}x^{n-1} + k_{n-2}x^{n-2} + \dots + k_{1}x + k_{0} \in \mathbb{Z}[x],$$

where

$$3 \le k_{n-1} \le k_{n-2} \le \dots \le k_1 \le k_0 \le 2k_{n-1} - 3.$$

We show that f(x) and $f(x^2)$ are irreducible over \mathbb{Q} . Moreover, the upper bound of $2k_{n-1} - 3$ on the coefficients of f(x) is the best possible in this situation. (Received September 10, 2013)