1006-00-76 **Bret M Hanlon*** (bhanlon@math.ttu.edu), Department of Math and Stat, Texas Tech University, Lubbock, TX 79409, and **Clyde F Martin**. *Polynomials that Arise in a Polya Urn Gambling Game.*

A gambling game based on the Polya urn process is discussed. Working with the expected value of the game produces an interesting sum.The main result of the paper is this sum is a polynomial with degree equal to the initial number of balls in the urn. (Received February 05, 2005)