

1096-VN-2088 **Timothy B. Flowers** and **Shannon R. Lockard*** (slockard@bridgew.edu). *Observations of m -ary partitions on an m -ary tree.* Preliminary report.

In 1999, Neil Calkin and Herb Wilf introduced the Calkin-Wilf tree and discussed its connection to the hyperbinary partition function. Since that time, several papers have examined this binary tree and its connection to the Stern-Brocot sequence. Others have given generalizations of the tree and studied a more general class of partitions, called hyper m -ary partitions. In this talk we introduce an m -ary tree that is a generalization of the Calkin-Wilf tree. We will discuss characteristics of this tree and show how the tree reveals several properties of hyper m -ary partitions. (Received September 17, 2013)