Meeting: 1003, Atlanta, Georgia, AWMWKSHOP, AWM Workshop

1003-00-1293 **Holly M Swisher*** (swisher@math.wisc.edu), Univeristy of Wisconsin - Madison, Department of Mathematics, 480 Lincoln dr., Madison, WI 53706. *Stanley's partition function and its relation to $p(n)$.*

Recently, R. Stanley formulated a new partition function t(n) in terms of the number of odd parts of a partition π and its conjugate partition π'. In a recent paper, G. E. Andrews showed that t(n) satisfies the famous Ramanujan congruence (mod 5) for the usual partition function p(n). This prompted the investigation of what properties these two functions share. We discuss two specific aspects of this question: asymptotics and congruence properties. (Received October 04, 2004)