

**Meeting:** 1003, Atlanta, Georgia, BENKART, MAA Invited Address

1003-A0-10      **Georgia Benkart\*** (benkart@math.wisc.edu), Department of Mathematics, University of Wisconsin - Madison, 480 Lincoln Drive, Madison, WI 53706. *Square ice is very nice, but can you put a match to it?*

There is a simple matching between  $n \times n$  patches of square ice with certain boundary conditions and  $n \times n$  alternating sign matrices, which in turn have many beautiful connections with a host of other topics – domino tilings, tableaux, determinants, symmetric functions and group characters. This talk will journey through many of these topics. (Received October 04, 2004)