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Eric Rains, UC Davis, and **Monica Vazirani*** (vazirani@math.ucdavis.edu), UC Davis, Department of Mathematics, One Shields Ave, Davis, CA 95616-8633. *Vanishing integrals of Macdonald polynomials.*

If one integrates a Schur function s_λ over the orthogonal group, the integral is zero unless λ has all parts even. A similar statement is true for Macdonald polynomials, where one modifies the density appropriately. This modification is dictated by the representation theory of the affine Hecke algebra. This is joint work with E. Rains. (Received September 12, 2005)