Meeting: 999, Nashville, Tennessee, SS 8A, Special Session on Algebraic Geometry and Commutative Algebra

999-13-161 **Jeff Mermin*** (mermin@math.cornell.edu), Malott Hall, Cornell University, Ithaca, NY 14853, and **Irena Peeva**. *Lexifying Ideals*. Preliminary report.

We study monomial quotients of polynomial rings over which all Hilbert functions are attained by lex ideals. (Received August 20, 2004)