1112-05-627 **Zachary Hamaker**, **Eric Marberg** and **Brendan Pawlowski*** (br.pawlowski@gmail.com).
Reduced involution words.

Reduced involution words are certain analogues of reduced words for involutions in a Coxeter group. For permutations, Stanley symmetric functions and the Edelman-Greene correspondence show how to enumerate ordinary reduced words in terms of standard tableaux; similarly, we enumerate reduced involution words in terms of marked shifted tableaux. One can also define involution Schubert polynomials, which give cohomology class representatives for the orbit closures of the orthogonal or symplectic group acting on the complete flag variety, and we discuss some of the combinatorics of these polynomials. (Received August 11, 2015)