1062-20-126   **David A Nash*** (`dnash@uoregon.edu`), Le Moyne College, Mathematics Department, 1419 Salt Springs Road, Syracuse, NY 13214, and **Alexander S Kleshchev** (`klesh@uoregon.edu`), University of Oregon, Department of Mathematics, Eugene, OR. *On Graded Characters and Graded Decomposition Numbers Over Hecke Algebras and Symmetric Groups.*

We describe the graded representation theory of the Iwahori-Hecke algebra H_d of the symmetric group and suggest a new algorithm for calculating the graded decomposition numbers of H_d over a field of characteristic zero at a root of unity. (Received August 03, 2010)