1117-20-238   **Eric Sommers*** (`esommers@math.umass.edu`), Department of Mathematics and Statistics, LGRT, UMass Amherst, Amherst, MA 01003. *A family of Weyl group representations.*

We will discuss a family of representations of a Weyl group that arises in different contexts: hyperplane arrangements, affine Springer theory, and rational Cherednik algebras. The focus will be on decomposing the representations into induced pieces and obtaining q-analogues of well-known combinatorial quantities (namely, the Kreweras and Narayana numbers). These q-analogues lead to instances of cyclic sieving. This is joint work with Vic Reiner. (Received January 15, 2016)