1051-05-219   **Matthew Macauley*** (`macaule@clemson.edu`), Department of Mathematical Sciences, O-325 Martin Hall, Clemson, SC 29634-0975. *What do Coxeter groups and Boolean networks have in common?* Preliminary report.

Central to the diverse fields of Coxeter groups and Boolean networks are involutions. What has a group-theoretic interpretation on one hand may lead to insight to the dynamics on the other, and vice-versa. In this talk, I will highlight some of the central themes and common structures, as well as discuss some novel approaches to some open and open-ended problems. (Received August 25, 2009)