1067-47-412 **Geoff R Goehle*** (grgoehle@email.wcu.edu), Stillwell 426, Cullowhee, NC 28723. *The Mackey Machine for Groupoid Crossed Products.*

We identify the spectrum of regular groupoid crossed products using the methodology of the Mackey Machine. Specifically, we show that given a regular groupoid G whose isotropy subgroupoid S has a Haar system, along with an action of G on a C^*-algebra A, then there is an action of G on the spectrum of the group crossed product bundle $A \rtimes S$ such that the spectrum of the groupoid crossed product $A \rtimes G$ is homeomorphic to the orbit space $A \rtimes S/G$ via induction. (Received September 01, 2010)