1030-03-125 **John Baldwin**, **Wesley Calvert** and **John Goodrick*** (john.goodrick@gmail.com), Department of Mathematics, University of Maryland, College Park, MD 20742, and **Andres Villaveces** and **Agatha Walczak-Typke**. *AECs of Abelian Groups.*

Elementary classes of abelian groups have long been known to be a rich source of examples in stability theory: such classes can be omega-stable, strictly superstable, or strictly stable; may not have prime models; may contain types that are p-analyzable but not p-internal, and so on.

In this talk we will discuss what sorts of phenomena from the abstract theory of AECs (such as tameness, Galois-stability, amalgamation, et cetera) we have found in AECs of abelian groups. Beyond the obvious examples of AECs of groups where the substructure notion is the relation of subgroup or pure subgroup, there are some less obvious ways to construct AECs from abelian groups, such as an interesting construction by Baldwin and Shelah of an AEC with AP which is not $\aleph_0$-tame but is $2^{\aleph_0}$-tame. We will discuss a new simplification of this construction. (Received July 27, 2007)