1024-17-218 **A Milas***, 1400 Washington Avenue, Albany, NY 12222. Representations of certain vertex algebras with two and three generators. Preliminary report.

We shall discuss highest weight modules of certain W-algebras with two and three generators. These vertex algebras admit a family of distinguished (ordinary) representations, as well as some natural logarithmic modules. We shall discuss various representation theoretic issues that arise here: explicit realizations of modules, graded dimensions, intertwining operators (both logarithmic and nonlogarithmic), "principal" subspaces, etc. (Received January 09, 2007)