1007-16-166   **Brad S Shelton*** (`shelton@math.uoregon.edu`), Department of Mathematics, University of Oregon, Eugene, OR 97403-1222, and **Thomas Cassidy** (`tcassidy@bucknell.edu`) and **Peter Goetz** (`pgoetz@bucknell.edu`). *Two new families of 4-dimensional Artin-Schelter regular algebras.* Preliminary report.

We will describe two new families of quadratic Artin-Schelter regular algebras of global dimension 4, constructed using a combination of Down-Up algebra techniques and a modified version of Bavula's generalized Weyl algebra construction. (Received February 19, 2005)