1021-14-183   **Angela Gibney*** (`agibney@math.upenn.edu`), Department of Mathematics, 209 South 33rd Street, Philadelphia, PA 19104-6395, and **Diane Maclagan** (`maclagan@math.rutgers.edu`), Department of Mathematics, Rutgers, The State University of New Jersey, 110 Frelinghuysen Rd, Picataway, NJ 08854-8019. *Explicit equations for and degenerations of* $\overline{M}_{0,n}$. Preliminary report.

I will report on joint work with Diane Maclagan in which we give explicit equations for the moduli space of stable n-pointed rational curves in the Cox ring of a toric variety. We use those equations to give an explicit description of the degenerations of $\overline{M}_{0,n}$ to toric varieties that Hu guarantees to exist. (Received September 05, 2006)