1031-14-99   **Angela C Gibney*** (`agibney@math.upenn.edu`), Department of Mathematics, David
                    Rittenhouse Lab, 209 South 33rd Street, Philadelphia, PA 19104-6395, and **Diane Maclagan**.
                    The moduli space of stable fat pointed curves of genus zero. Preliminary report.

I will introduce a toric variety, the moduli space $\overline{M}_{0,\{n_1,\ldots,n_m\}}$, whose points correspond to stable pointed rational curves where the markings have embedded scheme structure. When $\sum_i n_i = n$, this moduli space of fat pointed curves arises naturally as a Gröbner degeneration of $\overline{M}_{0,n}$, the moduli space of stable n-pointed rational curves. This is joint work with Diane Maclagan. (Received August 06, 2007)