1035-22-1465   **Markus Hunziker*** (`Markus_Hunziker@baylor.edu`), Department of Mathematics, Baylor University, One Bear Place #97328, Waco, TX 76798-7328, and **W. Andrew Pruett** (`Drew_Pruett@baylor.edu`), Department of Mathematics, Baylor University, One Bear Place #97328, Waco, TX 76798-7328. *Quotients of finite and affine Weyl groups by maximal parabolic subgroups and applications.* Preliminary report.

We will present some well known and also some less known facts about posets associated to quotients of finite and affine Weyl groups by maximal parabolic subgroups. Using the structure of these posets we will then give applications to representation theory and classical algebraic geometry. (Received September 19, 2007)