1120-05-106   **Travis Scrimshaw*** (`tscrimsh@umn.edu`), School of Mathematics, 127 Vincent Hall, 206 Church Street S.E., Minneapolis, MN 55455, and **Ben Salisbury** (`ben.salisbury@cmich.edu`), Central Michigan University, Pearce Hall 214, Mount Pleasant, MI 48859. *Crystals, rigged configurations, and the star involution.*

Highest weight crystals describe, combinatorially, a basis for highest weight representations. The crystal $B(\infty)$ corresponds to the lower half of the quantum group. We give a model for highest weight crystals and $B(\infty)$ using rigged configurations. Moreover, we describe the $*$-involution on rigged configurations and the $*$-crystal operators. (Received February 16, 2016)