1071-57-193   **T.J. Gaffney*** (`gaffney.tj@gmail.com`). *Khovanov Homology on Certain Symmetric Unions.* Preliminary report.

Symmetric unions of knots are often difficult to distinguish from one another. For example, the Alexander polynomial can only detect the parity of the winding used in their construction. We were able to show that Khovanov homology can distinguish, and in fact completely classify, the symmetric unions of the families of (2,n)-torus knots and certain 2-bridge knots. (Received March 05, 2011)