1046-05-1250   **Andre E. Kezdy*** (`kezdy@louisville.edu`), Department of Mathematics, University of Louisville, Louisville, KY 40292, and **Adam Jobson**, Department of Mathematics, University of Louisville, Louisville, KY 40292. *Some observations on sorting pairs in bins.* Preliminary report.

This talk will summarize some observations we have made toward solving the mathematical puzzle Peter Winkler calls the problem of "Sorting Pairs in Bins:" Imagine n bins in a row each containing two labeled balls, the ith bin containing balls labeled $n + 1 - i$. A move consists of swapping two balls between consecutive bins. How many moves are needed to get each ball into the bin with its label? (Received September 15, 2008)