

1116-K5-2261      **T. M. Brown\*** ([patricia.brown@armstrong.edu](mailto:patricia.brown@armstrong.edu)). *Kaleidoscopes, chessboards, and symmetry.*

In this talk, we introduce the  $n$ -queens problem on a  $n \times n$  chessboard. We discuss the possible symmetries of  $n$ -queens solutions and show how solutions to this classical chess question can be used to create colorful artwork. (Received September 22, 2015)