

1067-P1-2333 **Catherine Stenson*** (stenson@juniata.edu), Juniata College, 1700 Moore St., Huntingdon, PA 16652. *Turn the Tide: A Game for Undergraduate Research Projects.*

Turn the Tide is a charming card game that could form the basis of several undergraduate research projects. Each player has a “tide card” showing. In each round, players bid for two new tide cards. The highest bidder gets the lower tide card and the second-highest bidder gets the higher tide card. The other bidders keep their original tide cards. At the end of the round, the player with the highest tide card loses a life preserver. We present the rules of the game, describe some preliminary results, and pose some problems suitable for undergraduates. (Received September 22, 2010)