1096-M1-2264 **Janine E. Janoski*** (janinejanoski@kings.edu). *A Mathematical Scavenger Hunt.*

We will discuss a mathematical scavenger hunt run by the King's College Math Club during the Fall 2013 semester. The scavenger hunt will consist of math puzzles, which will lead to the location of the next clue. When the final clue is found, there will be a final puzzle to solve. In this talk we will discuss the problems we encounter, the implementation of the hunt, and the successes we see as a result of the activity.

Some hurdles we expect to see are the following. How do we design scavenger hunt clues that are both stimulating for the math majors while applicable for non-majors? What is the best way to choose teams so the hunt is fair? How do we design a hunt so the students can't find all of the clues without solving the math puzzles? How do we use this as an activity to increase membership in the math club?

We hope to resolve some of these issues by having the clues be more math and logic puzzles. There will be a check-in spot where students must check their answer before starting the next clue. We plan on advertising the scavenger hunt to the entire college community as a fun activity for anyone who enjoys mathematics and likes solving puzzles. With funding from our student government, we will give a prize to the winning team. (Received September 17, 2013)