## 1067-20-1138 Sarah Costrell\* (rhaas@smith.edu), Department of Mathematics and Statistics, Smith College, Northampton, MA 01063, and Margaret Ewing, Jessica Lord and Viktoria Pardey. Groups and Change Ringing. Preliminary report.

Change ringing is an art form that evolved in England several hundred years ago and is still practiced today. It involves bells of varying pitch being rung in sequences of permutations subject to certain constraints. In this talk we'll describe our investigation of the occurrence of various permutation groups in the construction of such sequences using the computational algebra package Magma. (Received September 19, 2010)