

1014-N1-1538      **Leslie Hayes\*** (lhayes@sju.edu), Department of Mathematics and Comp. Sci., Saint Joseph's University, 5600 City Avenue, Philadelphia, PA 19131. *Clear as a Bell: Applying Principles of Graphical Excellence to Campanology*. Preliminary report.

The English tradition of bell-ringing has a complex underlying mathematical structure with ties to both group theory and surface topology. In this talk I will examine visual means of representing bell-ringing extents and analyze the reasoning behind different choices. This analysis provides a useful pedagogical tool for illustrating Edward Tufte's principles for graphical excellence. (Received September 28, 2005)