1077-05-1485   **Maria Klawe**, **Kathryn L. Nyman*** (`knyman@willamette.edu`), **Jacob N. Scott** and **Francis Edward Su**. *Double-Interval Societies.* Preliminary report.

Political platforms can be viewed as points lying on a continuum, with more liberal viewpoints to the left and more conservative viewpoints to the right. In this model, a voter's personal preferences are often represented by an "approval interval" on the continuum containing the platforms that voter is willing to support. Inspired by several elections, we ask what can be said of a society in which individual voter preferences are represented by two disjoint approval intervals. We obtain bounds for the case when each pair of voters can approve a common platform. Examples of these double-interval societies leads to some interesting results about arrangements of the letters 0,...,n-1 in which each letter appears exactly twice. (Received September 20, 2011)