

1086-91-1737 **Thomas C Ratliff*** (ratliff_thomas@wheatoncollege.edu), Wheaton College, Norton, MA
02766. *Selecting Diverse Committees with Candidates from Multiple Categories.*

When selecting committees, the voters often place priority on the overall composition of the committee in such a way that their preferences cannot be decomposed into preferences on individual candidates. This is often reflected in the voters' desire that the elected committee reflect some diversity criteria, such as gender or academic rank. One aspect that makes committee elections unwieldy is that it is impractical to ask voters for a complete ranking of all possible committees. Our approach is to ask voters for their top-ranked committee and devise voting methods that respect the diversity criteria. This talk will review previous results when the diversity criteria consists of two categories and discuss approaches when there are three or more categories. (Received September 24, 2012)