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**Alan D Taylor\*** ([taylor@union.edu](mailto:taylor@union.edu)), Alan D. Taylor, Department of Mathematics, Union College, Schenectady, NY 12308. *Characterizations of Arrovian Social Welfare Functions*. Preliminary report.

We provide a precise characterization of social welfare functions satisfying independence of irrelevant alternatives. With this characterization, the effects of various additional conditions such as linearity of the ballots, Pareto, neutrality, and anonymity become transparent. (Received September 20, 2007)