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**Christian Barrientos** and **Sarah Minion\*** ([sminion@student.clayton.edu](mailto:sminion@student.clayton.edu)). *Broader Families of Cordial Graphs.*

A binary labeling of the vertices of a graph  $G$  is cordial if the number of vertices labeled 0 and the number of vertices labeled 1 differ by at most 1, and the number of edges of weight 0 and the number of edges of weight 1 differ by at most 1. We present general results involving the cordiality of graphs that results of some well-known operations such as the join, the corona, the one-point union, the splitting graph, and the supersubdivision. In addition we show a family of cordial circulant graphs. (Received January 19, 2016)