Gary Chartrand, Heather Jordon and Ping Zhang* (ping.zhang@wmich.edu), Department of Mathematics, Western Michigan University, Kalamazoo, MI 49008. On the Eulerian Cycle Decomposition Conjecture.

A classic theorem of Veblen states that a connected graph $G$ has a cycle decomposition if and only if $G$ is Eulerian. The number of odd cycles in a cycle decomposition of an Eulerian graph $G$ and the size of $G$ are therefore of the same parity. A conjecture on this topic is presented as are some related results and problems. (Received September 05, 2013)