1056-20-1782 **Lenny Jones** (lkjone@ship.edu), Department of Mathematics, Shippensburg University, 1871 Old Main Drive, Shippensburg, PA 17257, and **Kelly Toppin*** (kt5638@ship.edu), Department of Mathematics, Shippensburg University, 1871 Old Main Drive, Shippensburg, PA 17257. *On Some Conjectures Concerning Groups With Perfect Order Subsets.* Preliminary report.

Let G be a finite group, and for any element x of G, define the **order subset** of G determined by x to be the set of all elements in G with the same order as x. We say that G has **perfect order subsets** if the number of elements in each order subset of G divides the order of G. In this talk, we discuss some open questions concerning groups with perfect order subsets. (Received September 22, 2009)