1108-20-103 Mark L. Lewis^{*} (lewis@math.kent.edu), Department of Mathematical Sciences, Kent State University, Kent, OH 44242. *Camina p-groups of nilpotence class 3.*

A Camina group is a (finite) group where every element $g \in G \setminus G'$ has gG' for its conjugacy class. It is known that a finite Camina group is either a Frobenius group or a *p*-group for some prime *p*. Furthermore, it is known that if *G* is a Camina *p*-group for some prime *p*, then *G* has nilpotence class at most 3, and there exist Camina *p*-groups of nilpotence class 3 for every odd prime *p*.

In this talk, we determine which groups can occur as G/Z(G) when G is a Camina *p*-group of nilpotence class 3. We will also present some results regarding |Z(G)| when G is a Camina *p*-group of nilpotence class 3. (Received January 05, 2015)