

1117-20-475

Mark Greer and **Lee Raney*** (lraney@una.edu). *Groups, Loops, and the Baer Trick*. Preliminary report.

Given a uniquely 2-divisible group G , we discuss the Baer trick, a remarkable modification of the group operation which induces a loop $(G, +)$. We will examine the structure of these Baer trick loops $(G, +)$ in general and survey a few known results. We will then discuss necessary and sufficient conditions for the group G to satisfy in order to guarantee a certain desirable structure on the corresponding Baer trick loop. (Received January 19, 2016)