1077-20-1297 **Anthony E Clement*** (aclement@brooklyn.cuny.edu), Department of Mathematics, Brooklyn College, 2900 Bedford Avenue, Brooklyn, NY 11210. *Some Observations Involving the Baumslag groups $G(m, n)$.*

In his 1969 paper, "A non-cyclic one-relator group all of whose finite quotients are cyclic", G. Baumslag showed that every finite quotient of $G = \langle a, b \,|\, a = [a, a^b]\rangle$ rewritten as $G(1, 2) = \langle a, b \,|\, b^{-1}a^{-1}bab^{-1}ab = a^2\rangle$ is cyclic and as a result presented then yet another example of a one-relator group which is not residually finite. In this talk, I will describe the structure and present some properties of the Baumslag groups $G(m, n) = \langle a, b \,|\, b^{-1}a^{-1}ba^mb^{-1}ab = a^n\rangle$. (Received September 19, 2011)