1125-16-2769   **Hannah Elizabeth Downs*** (`hedowns42@students.tntech.edu`). *Clifford Algebras as Hopf Algebras and the Connection Between Cocycles and Walsh Functions.*

Group algebras and twisted group algebras can be shown as Hopf algebras, and we can connect Clifford algebras to these Hopf algebras through twisted group algebras. We show that Walsh functions of Clifford algebras correlate to the cocycles described for these twisted group algebras. (Received September 20, 2016)