

1135-11-1595 **Ryan Patrick Wood*** (rpw54@nau.edu), **Jeff Rushall** and **Pauline Gonzalez**. *On Cubic Residue Matrices*.

In 2001, R. Chapman conjectured that a special infinite class of matrices, constructed using quadratic residue symbols, had constant determinant values. This conjecture, known as Chapman's Evil Determinant Problem was resolved by in 2014 M. Vsemirnov. In this talk, we will present a generalization of Chapman's problem involving cubic residues. (Received September 23, 2017)