1145-VV-1362   **Madison Lydic*** (`lydicmn@jay.washjeff.edu`) and **Ryan Higginbottom**. *Equilibrium patterns in the candy-sharing circle.* Preliminary report.

A well-known game called the candy-sharing circle is played this way: Position n players in a circle, each with a positive, even number of pieces of candy. Each player passes half their pile to their left and takes a piece from a common pile only if they end the round with an odd number of pieces. It is easily shown that a candy equilibrium is reached. In this talk we present initial results, for small numbers of players, concerning the equilibrium and the number of rounds played until equilibrium is reached. (Received September 21, 2018)