Daniel C Florentino* (florentinodc@jay.washjeff.edu) and Ryan Higginbottom (rhigginbottom@washjeff.edu). More on Equilibrium Patterns in the Three-Person 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 results for \( n = 3 \) when the initial distribution forms an arithmetic progression. (Received September 12, 2019)