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Xiangqian Zhou* (xiangqian.zhou@wright.edu), Dept of Mathematics and Statistics, 3640 Col Glenn Hwy, Dayton, OH 45435, and **Jakayla Robbins** and **Daniel Slilaty**. *Clones in Bicircular Matroids*.

There are two fundamental classes of matroids related to graphs: the well-known one is the class of graphic matroids where a circuit of the matroid is the edge set of a cycle in the graph; the other one is the class of bicircular matroids where a circuit of the matroid is the edge set of a minimal connected subgraph containing at least two cycles of the graph.

Two elements in a matroid are clones if the map that interchanges the two and fixes all other elements is an automorphism of the matroid. Clones have recently become an interesting subject in matroid representation theory. In the talk, we will describe exactly when two elements of a bicircular matroid form a clonal pair. This is joint work with Daniel Slilaty and Jakayla Robbins. (Received December 03, 2012)