

1145-VP-1576      **Kathleen Ryan\***, 2755 Station Avenue, Center Valley, PA 18034, and **Nicholas Speranza** and **Henry Wickus**. *Colorful Cacti*. Preliminary report.

A cactus graph is a connected graph in which every block is either a cycle or an edge, and a partial cactus graph is simply a spanning subgraph of a cactus graph. We classify which sequences are realizable as partial cactus graphs. We furthermore address how our search for the degree sequences of partial cactus graphs originates from a related edge-coloring problem. (Received September 23, 2018)