1150-05-677 **Lin Duong** and **Brenda K Kroschel*** (bkkroschel@stthomas.edu), Univ. of St. Thomas, Mail #OSS 201, 2115 Summit Ave., St. Paul, MN 55105, and **Michael Riddell**, **Kevin N. Vander Meulen** and **Adam Van Tuyl**. *Maximum nullity and zero forcing of circulant graphs.*

The zero forcing number of a graph G is known to provide a bound on the minimum rank of any real symmetric matrix associated with G. Known results about the zero forcing number of circulant graphs are reviewed. Then the zero forcing number of various classes of circulant graphs is determined and the maximum nullity of associated real symmetric matrices is also explored for these classes. (Received July 17, 2019)