Kenneth W Johnson* (kwj1@psu.edu), Penn State University, 1600 Woodland Road, Abington, PA 19001. The influence of Schur in algebraic combinatorics. Preliminary report.

This talk will be an account of how the works of Schur have been important in the development of association schemes and other parts of algebraic combinatorics. I will make a case that, in addition to the well-known papers, there are others which contain significant ideas and techniques. Schur was the first to study the centralizer ring of a permutation group which led to S-rings and association schemes. His choice of techniques and directions of research are usually immaculate and his papers have been compared to polished diamonds. (Received July 16, 2019)