1128-13-132Irena Swanson* (iswanson@reed.edu), 3203 SE Woodstock Blvd, Portland, OR 97202.
Associated primes of powers of ideals. Preliminary report.

Given an ideal I in a commutative Noetherian ring with identity, the set of associated primes of powers I^k of I varies with k and by a result of Brodmann eventually stabilizes. The numbers of elements can increase and decrease several times. This is a report on generating (prime) ideals with large increases. (Received February 22, 2017)