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Neil Epstein* (nepstei2@gmu.edu), Department of Mathematical Sciences, 4400 University Drive, Fairfax, VA 22030. *Closure operations in commutative algebra*.

Closure operations on ideals (and submodules) have grown to be a central characteristic of commutative algebra. I will touch on connections with many other notions that come up in the field, such as multiplicities, ring extensions, homological conjectures, matroids, cores, torsion theories and star operations. Some representative closure operations may be given special attention during the talk, but the perspective will remain broad. (Received July 30, 2014)