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Christopher O'Neill*, 5500 Campanile Dr, San Diego, CA 92182. *Numerical semigroups - a sales pitch.*

A numerical semigroup is a subset of the non-negative integers that is closed under addition. The field of numerical semigroups has a knack for producing problems that are easy to state but very difficult to answer in general. In this talk, we will touch on two such problems that remain open despite considerable effort, along the way surveying results spanning numerous undergraduate research projects. (Received September 04, 2019)