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Jonathan I Hall* (jhall@math.msu.edu), Department of Mathematics, Michigan State University, 619 Red Cedar Road, East Lansing, MI 48824. *Geometric presentations of algebras.*

While most of the sporadic finite simple groups were constructed via permutation representation, this was not always possible. Griess constructed the Monster via its representation on an algebra, and other groups have effective constructions via algebra representation. We discuss some recent results in this area, in part motivated by connection with vertex operator algebras. (Received September 20, 2016)