1106-H1-1162 **Vi Hart** (vi@vihart.com) and **Henry Segerman*** (segerman@math.okstate.edu). *The quaternion group as a symmetry group.*

We discuss the question of which groups have appeared as the symmetry groups of physical objects. To our knowledge, the quaternion group (a beautiful group with eight elements) has not appeared in this fashion. We describe the quaternion group, both formally and intuitively, and give our strategy for representing the quaternion group as the symmetry group of a physical sculpture. (Received September 11, 2014)