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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. *Groups and nonassociative algebra.*

Group theory, particularly that of finite groups, has been used successfully to describe and classify interesting nonassociative structures. We will discuss abstract groups with triality and their relationship with Moufang loops and Miyamoto transposition groups and their relationship with axial algebras and vertex operator algebras. (Received September 15, 2014)