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**Carolyn R. Abbott\*** ([abbott@math.wisc.edu](mailto:abbott@math.wisc.edu)). *Not all acylindrically hyperbolic groups have universal acylindrical actions.*

The class of acylindrically hyperbolic groups, which are groups that admit a certain type of non-elementary action on a hyperbolic space, contains many interesting groups such as non-exceptional mapping class groups and  $\text{Out}(\mathbb{F}_n)$  for  $n \geq 2$ . In such a group, a generalized loxodromic element is one that is loxodromic for some acylindrical action of the group on a hyperbolic space. Osin asks whether every finitely generated acylindrically hyperbolic group has an acylindrical action on a hyperbolic space for which all generalized loxodromic elements are loxodromic. In this talk, I will answer this question in the negative, using Dunwoody's example of an inaccessible group as a counterexample. (Received August 11, 2015)