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Jocelyn R Bell* (bell.jocelyn@gmail.com). *Topological games*.

Topological games can be used to concisely and naturally describe subtle topological properties. After a brief historical tour, we introduce a new infinite topological game that is played in generalized metric spaces. The existence of a winning strategy for our game in a space implies certain topological covering and separation properties hold in that space. We also discuss some further applications and results. (Received August 26, 2015)