1096-VJ-1309 **Steven Clontz*** (clontsc@auburn.edu), Auburn University, AL. *Characterizing Covering Properties Using Limited Information Strategies for Topological Games.*

Two topological games $LF_{KP}(X)$ and $LF_{KL}(X)$ due to Gary Gruenhage proceed as follows: each round, the first player K chooses a compact set in X, followed by the second player P (resp. L) choosing a point (resp. compact set) in X which misses every compact set chosen by K previously. The game proceeds for ω-many rounds, and K wins the game if the points (resp. compact sets) chosen by her opponent are locally finite in X. For locally compact X, various covering properties are characterized by the presence of winning limited information strategies for player K, strategies which only require partial memory of the history of the opponent's moves. In addition, by investigating these limited information strategies, we obtain a novel proof of the equivalency of various covering properties in locally compact spaces: X is Lindelöf iff X is σ-compact iff X is hemicompact. We will introduce these games and demonstrate the intuition behind these results, which were part of the speaker's early work toward his dissertation. (Received September 14, 2013)