1106-03-1631   **Howard Becker*** (`becker@math.wisc.edu`). *Mazur's game and Choquet's game.*

The study of infinite games originates with a question of Mazur, which is the first of three questions in Problem 43 of The Scottish Book. A variant of Mazur's game was introduced by Choquet. The importance of Choquet's game is that the existence of a winning strategy for Player II is an interesting and useful property. In that sense, the study of this game is in the spirit of the three questions, and different from most subsequent research on infinite games, which is concerned with the determinacy of the game. We discuss: the relationship between the two types of games; using Choquet's game to generalize the metric space concept of completeness to arbitrary topological spaces; applications of Choquet's game in descriptive set theory. (Received September 14, 2014)