The game of Cops and Robbers played on graphs gives rise to a rich set of conjectures, mainly associated with the cop number of a graph. Arguably the most important such conjecture is Meyniel’s, which posits an $O(\sqrt{n})$ upper bound on the cop number of a connected graph of order $n$. We discuss the state-of-the-art on Meyniel’s conjecture, and explore other conjectures on cop number ranging from topics within computational, probabilistic, and topological graph theory. (Received August 27, 2013)