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Daniel Schaal* (daniel.schaal@sdstate.edu), Dept. of Mathematics and Statistics, South Dakota State University, Brookings, SD 57007. *Should you take the bet? A problem from Marilyn Vos Savant.*

In this paper we analyze a coin showing game that appeared in the "Ask Marilyn" column in Parade Magazine, a column written by Marilyn Vos Savant. This simple game illustrates some of the basics of game theory but has some unusual and interesting twists. It is also not clear if Marilyn was right or wrong in her answer. Note, this talk is NOT about the "Monte Hall Problem" which was made famous in the same column. (Received September 16, 2008)