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**Mary Sol de Mora Charles\*** (demora@leibnizsociedad.org). *A New Interpretation of Cardano's Liber De Ludo Aleae*. Preliminary report.

Gerolamo Cardano (1501-1576) wrote the *Liber De Ludo Aleae* (Book on Games of Chance) sometime in the mid sixteenth-century, although it was not published until 1663. Among the examples he uses is a game he calls *fritillum*, the meaning of which will be considered from its use in the Roman world as a cup for throwing dice to a chess board and the game *fritillum*. What Cardano offers in the *De Ludo Aleae* is a theoretical consideration of outcomes in games involving dice and cards. From a careful reading of the book it is possible to see how Cardano went about considering the probabilities of various outcomes, including his mistakes as well as the successful results. The process through which a mathematician approaches his subject, and then tries to work out the theoretical consequences, will be the focus of this consideration of this early work on the theory of probability. (Received September 12, 2007)