

**Meeting:** 1003, Atlanta, Georgia, MAA CP X1, MAA General Contributed Paper Session, I

1003-X1-834      **Carol S. Schumacher\*** (schumacherc@kenyon.edu), Department of Mathematics, Kenyon College, Gambier, OH 43022. *Infinite Polite Speeches, Konig's Lemma, and Aperiodicity.*

The talk will begin with a whimsical discussion of an island where residents don't care what you say as long as you say it politely. (They also have a very limited vocabulary!) I will use this amusing tale to prove a version of Konig's lemma and to establish the aperiodicity of the Morse-Thue Sequence. I will end the talk by connecting all of this to aperiodic tilings of the plane. (Received September 30, 2004)