In 1859 Riemann presented to the Scientific Academy of Berlin his paper on number theory. In this paper Riemann made a connection between number theory and the theory of analytic functions, and showed how the distribution of the primes can be understood using analytic tools. In this paper Riemann also made his famous conjecture, which has come to be known as “The Riemann Hypothesis”.

My goal in this talk is to tell you about the contents of this paper, and also a little bit about its influence. Warning: I do plan to go into some detail - that’s the point.

Requisites: 1) The Fundamental Theorem of Arithmetic. 2) Improper integrals. 3) The talk would be best understood by someone who has already taken a course in complex function theory, but perhaps a healthy imagination and some faith could bridge that gap.