

Meeting: 1002, Pittsburgh, Pennsylvania, SS 3A, Special Session on The History of Mathematics

1002-01-26 **Thomas Drucker*** (druckert@uww.edu), Department of Mathematical, and Computer Sciences, University of Wisconsin–Whitewater, Whitewater, WI 53190. *The Maturity of Mathematical Logic*. Preliminary report.

Stephen Cole Kleene's Introduction to Metamathematics helped to define the collection of topics that logicians would study for some time after its original appearance. Kleene himself was a student of Alonzo Church, one of the most determined defenders of Gottlob Frege's views on the role of logic in mathematics. That philosophical seriousness characteristic of Church did not seem to have been inherited by Kleene. In particular, Kleene's work on recursive functions has been used by many logicians working within the framework of intuitionism. This suggests that Kleene's interest and research in logic outran any particular philosophical approach. This talk follows up some of Kleene's observations on philosophical issues and speculates on the role of his work and his personality in passing on attitudes from the generation of logicians before him to those who followed. (Received July 10, 2004)