1067-W1-1048 **Andy D. Martin*** (andrew.martin@kysu.edu), Dr. Andrew Martin, Carver Hall 113B, Kentucky State University, Frankfort, KY 40601. *Reviewing Logs through the Resolution of Two Different Published Algebraic Representations of Napier's Logarithm.*

Two popular History of Mathematics ([2],[3]) texts agree on what algebraic form represents the logarithm as defined by Napier, but a third ([1]) has something different. Why don't they agree? Which is correct ? Are the representations equivalent ? If not, how are they related? Does either exhibit the "logarithmic" properties of turning products into sums and quotients into differences?

After describing Napier's definition, this talk will address these and related questions, which the speaker has assigned students (and will again) as a nonstandard way to review properties of logarithms.

[1] Boyer, Carl A History of Mathematics, Wiley and Sons, 1968. [2] Eves, Howard An Introduction to the History of Mathematics , 5th ed, Saunders College Publishing 1983. [3] Katz, Victor A History of Mathematics: An Introduction , HarperCollins 1993. (Received September 17, 2010)