

1096-VC-329

**Tim Doyle** (doyletj@whitman.edu), **Lauren Kutler**, **Robin Miller** and **Albert Schueller\*** (schuelaw@whitman.edu), 345 Boyer Avenue, Whitman College, Walla Walla, WA 99362. *On Proofs Without Words and Beyond.*

We discuss the history of the Proofs Without Words feature of the MAA's *Mathematics Magazine* and *The College Mathematics Journal* periodicals. We provide a philosophical context for the consideration of these mathematical artifacts as “proof” through the lens of Gottlob Frege's *The Foundations of Arithmetic*. We demonstrate several on-line, interactive, adaptations of selected Proofs Without Words that we have created. We argue that these on-line, interactive visual proofs are the next logical step in the evolution of Proofs Without Words. (Received August 28, 2013)