

1098-01-149 **Deborah J Bennett*** (dbennett@njcu.edu), Mathematics Department, NJCU, 2039 Kennedy Blvd., Jersey City, NJ 07305. *Venn/Euler/Leibniz Diagrams*. Preliminary report.

Having remained unpublished for over two hundred years, the universal genius Gottfried Wilhelm Leibniz's manuscripts of 1686 illustrated the four different Aristotelian propositions by the use of drawings of groups of circles. In 1761, the much-admired master mathematician Leonhard Euler used the same diagrams without reference to Leibniz. One hundred and twenty years later, John Venn ingeniously altered what he called "Euler circles" to become the diagrams that we now attach to Venn's name. This talk will explore the history of the Venn diagram, created by Leibniz. (Received January 22, 2014)