1023-H5-1275   **Lee Stemkoski*** (`stemkoski@adelphi.edu`), Department of Math and Computer Science, 111 Alumnae Hall, Adelphi University, Garden City, NY 11530. *Investigating Euler's Polyhedral Formula Using Original Sources.*

The works of Leonhard Euler are often particularly mathematically accessible to the reader; many of his papers contain an abundance of examples as well as a gradual progression of ideas. We will discuss how one can use Euler's original works in a classroom setting to explore the polyhedral formula and related results. (Received September 25, 2006)