

1116-VR-1263 **Paul Sisson*** (paul.sisson@lsus.edu), One University Place, Shreveport, LA 71115, and **Tibor Szarvas** (tibor.szarvas@lsus.edu), One University Place, Shreveport, LA 71115. *The Unsung Heroes of Calculus: Mathematicians Before and After Newton and Leibniz.*

The development of Calculus is commonly associated with two justly-famous names: Newton and Leibniz. But the problems that motivated this development began to arise far before their time; some were tackled by ancient mathematicians with great success, while other partially-settled problems waited, primed and ready, for Newton, Leibniz, and those that followed. This talk will focus on some lesser-known mathematicians, both before and after the time of Newton and Leibniz, the unsung heroes whose work shaped the subject into the form we know today. We believe that the teaching of Calculus greatly benefits from such a historical context, which brings the subject to life for students by exposing its human side, as opposed to being presented as an unmotivated system of definitions, theorems, and techniques. (Received September 18, 2015)