962-01-295   **Todd Timmons*** (`ttimmons@systema.westark.edu`), Westark College, 5210 Grand Ave., PO Box 3649, Fort Smith, AR 72908. *Mathematics in the American Journal of Science and Arts, 1819-1840.* Preliminary report.

American mathematicians in the first part of the nineteenth century had limited options for publishing their original research or expositions. Publications from learned societies such as the American Philosophical Society and the American Academy of Arts and Sciences appeared infrequently and often had little mathematical content. On the other hand, several attempts to launch journals dedicated to mathematics met with very limited success. From 1819-1840, the American Journal of Science and Arts (often called "Silliman's Journal" after its founder Benjamin Sillima) presented the only consistent avenue for publication of mathematical, and for that matter other scientific, articles. This paper will summarize the mathematical contributions to the American Journal of Science and Arts and briefly discuss the Journal's role in promoting the American mathematical community. (Received September 07, 2000)