1116-S5-119   **Russell A. Gordon*** (`gordon@whitman.edu`), Whitman College, 345 Boyer Avenue, Walla Walla, WA 99362. *A bounded derivative that is not Riemann integrable.*

We present an example, different than Volterra's, of a bounded derivative that is not Riemann integrable. The existence of such functions was one of the motivations for Lebesgue to devise a different integration process. The goal of the presentation is to keep the ideas at a level appropriate for an undergraduate student. (Received July 30, 2015)