1154-VM-625 **Jeramiah A. Hocutt*** (jahocutt@ua.edu). *Entire Functions, Entirely Discontinuous.* Preliminary report.

Paul Halmos defined a notion of Cesàro continuity and classified the real functions that satisfy this property. In a note in the MAA Monthly, we examined the analogous notion of Cesàro differentiability and the real functions that satisfied this condition. This lead to a surprising conclusion - that everywhere differentiable functions are nowhere continuous. We now turn our attention to Cesàro differentiability in the complex plane. Utilizing a well-known functional equation, we arrive at a similarly contrived, yet no longer surprising, conclusion - that the functions satisfying this notion are entire functions, which are entirely discontinuous. (Received September 08, 2019)