Paul Fili* (paul.fili@okstate.edu), 401 Mathematical Sciences Bldg, Oklahoma State University, Stillwater, OK 74078, and Lukas Pottmeyer and Mingming Zhang. Iteration of Mahler's measure. Preliminary report.

We present some new results on the stopping time of the Mahler measure as a dynamical system on algebraic numbers, extending earlier results of Dubickas. We also present some open conjectures, particularly in the wandering point case. (Received January 29, 2019)