1116-11-1935 **Patrick Ingram*** (pingram@rams.colostate.edu). *Canonical heights and preperiodic points for a special class of polynomials.* Preliminary report.

To each (non-linear) polynomial defined of a number field is a canonical height function, which vanishes precisely at points with finite orbit under that map. This function has a smallest positive value, and it is natural to ask for some lower bound on this quantity in terms of some data about the polynomial. We present some results in this direction for certain families generalizing or related to the unicritical family $z^d + c$. (Received September 21, 2015)