1125-VN-2296 Jacqueline Anderson* (jacqueline.anderson@bridgew.edu), Bridgewater, MA 02325, and Spencer Hamblen, Bjorn Poonen and Laura Walton. Local Arboreal Galois Representations. Let $f(z) = z^{\ell} - c$ be a separable polynomial over a field K complete with respect to a discrete valuation v and with residue field of characteristic p, and let $a \in K$. Let $f^n(z)$ denote the n-th iterate of f. We examine the Galois groups and ramification groups obtained from the extensions of K containing all of the roots of the polynomial $f^n(z) - a$ in both tame $(p \nmid \ell)$ and wild $(\ell = p)$ cases, and show how these groups depend on the valuation v(c). (Received September 20, 2016)