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Bryna Kra* (kra@math.northwestern.edu), Department of Mathematics, 2033 Sheridan Road, Evanston, IL 60201, and **Van Cyr**. *Shifts of low complexity*.

For shifts with complexity growth at most polynomial, the behavior is quite different than general shifts. Starting with the simplest case of linear complexity, we discuss various properties of the system, such as the automorphism group and the number of invariant measures. We then discuss how these properties change as the growth rate becomes quadratic or a higher order polynomial. (Received August 04, 2015)