1025-47-182 **Per Enflo** (enflo@math.kent.edu), Department of Mathematical Sciences, Kent State University, KEnt, OH 44242, and **Aderaw Fenta*** (afenta@math.kent.edu), Department of Mathematical Sciences, Kent State University, Kent, OH 44242. *Lacunary Orbits for Multiplication operators in* $C[0,1]$ *and* $L_p[0,1]$, $1 \leq p < \infty$. Preliminary report.

We show that if $\{\lambda_k\}_{k=1}^{\infty}$ is a lacunary sequence and h is a function in $C[0,1]$ or $L_p[0,1]$, $1 \leq p < \infty$ such that for some $\delta > 0$, $h \neq 0$ almost everywhere in the interior of the interval $(1-\delta, 1)$, then the lacunary orbit of h under the multiplication operator, namely the sequence $\{t^{\lambda_k} h(t)\}_{k=1}^{\infty}$ is a basic sequence. (Received January 22, 2007)