1004-46-263 **Mark Hoffmann**, **Nigel Kalton** and **Tamara Kucherenko*** (`tamara@math.missouri.edu`), 1000 Hospital Dr Apt 6A, Columbia, MO 65201. *R-bounded semigroups on L_1 and $C(K)$ spaces.*

It is shown that on certain Banach spaces, including $C[0,1]$ and $L_1[0,1]$, there is no strongly continuous semigroup $(T_t)_{0<t<1}$ consisting of weakly compact operators such that $(T_t)_{0<t<1}$ is an R-bounded family. More general results concerning approximating sequences are included and some variants of R-boundedness are also discussed.