1015-46-136 **N. J. Kalton*** (nigel@math.missouri.edu), Department of Mathematics, University of Missouri, Columbia, MO 65211. *Extension of linear operators into $C(K)$-spaces.*

If $X$ is a separable Banach space and $E$ is a closed subspace, when can every operator $T : E \to C(K)$ be extended? If $E$ is isomorphic to $c_0$ or $\ell_1$ then this can always be done. However, if $E$ is isomorphic to $\ell_p$ for $1 < p < \infty$ we give an example to show that even if $X$ is super-reflexive extensions may not exist; however if $X$ is a UMD-space we can always find an extension in these cases. This answers questions of Zippin, Castillo-Moreno and Speegle. (Received February 01, 2006)