**Ofelia T. Alas, Richard G. Wilson**

*Spaces in which compact subsets are closed and the lattice of* $T_1$*-topologies on a set*

**Abstract:** We obtain some new properties of the class of KC-spaces, that is, those topological spaces in which compact sets are closed. The results are used to generalize theorems of Anderson [1] and Steiner and Steiner [12] concerning complementation in the lattice of $T_1$-topologies on a set $X$.