Given a family $F$ of Borel sets in a Polish space $X$, we consider the problem of the existence of a Borel set $B$ in the product of $X$ with another Polish space $Y$ such that each element of $F$ occurs exactly once as a $Y$-section of $B$. Such a Borel is said to uniquely represent $F$. If every $Y$-section of $B$ is an element of $F$, then $B$ is said to be uniquely universal for $F$. We study the existence of such sets for the family of (a) countable, (b) countable unions of compact sets or (c) countable unions of closed subsets of $X$. If time permits, other families will be mentioned. This is joint work with Su Gao, Steve Jackson and Miklos Laczkovich. (Received September 19, 2005)