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Bernard A. Anderson* (baander@math.berkeley.edu), 2623 College Ave Apt 3, Berkeley, CA 94704. *Relatively r.e. Reals.*

We say that a real X is relatively r.e. if there exists a real Y such that X is r.e. (Y) and $X \not\leq_T Y$. We define $A \leq_{e_1} B$ if there exists a Σ_1 set C such that $n \in A \leftrightarrow \exists \langle n, E \rangle \in C [E \subseteq B]$. In this talk, we show that a real X is relatively r.e. if and only if $\overline{X} \not\leq_{e_1} X$. We examine what requirements can be placed on the witness Y and explore related relative properties of reals. (Received August 31, 2006)