1125-00-3170   **Timothy Trujillo*** (`trujillo@mines.edu`), Colorado School of Mines. *Parametrizing by the Ellentuck space.*

We introduce a new construct that can be used to parametrize a topological Ramsey space by the collection of infinite subsets of natural numbers. We show that these parametrized spaces are topological Ramsey spaces. Then we use these spaces to prove some parametrized perfect set theorems. We conclude with a discussion of how to extend the results to the abstract setting and open questions related to applying the results to the Tukey theory of ultrafilters. (Received October 03, 2016)