1078-68-327   **J. B. Nation*** (`jb@math.hawaii.edu`), Department of Mathematics, University of Hawaii, Honolulu, HI 96822. *Partial group codes.*

If H is a finite subset of a (possibly infinite) unitary group G on $\mathbb{C}^n$, and $x_0 \in \mathbb{C}^n$, then we can form the code $Hx_0 = \{hx_0 : h \in H\}$. By choosing H carefully, we can construct some interesting codes with desirable properties. (Received December 12, 2011)