Annalies Vuong* (azv@umail.ucsb.edu), James Gardner, Alberto Teguia, Nathaniel Watson and Carl Yerger. Domination Cover Pebbling. Preliminary report.

We introduce the notion of domination cover-pebbling. The domination cover-pebbling number, $\psi(G)$, of a graph $G$ is the minimum number of pebbles that must be placed on $V(G)$ such that after a sequence of pebbling moves, the set of vertices with pebbles forms a dominating set of $G$ – regardless of the initial configuration of pebbles. Basic results of $\psi(G)$ are discussed and $\psi(G)$ is determined for paths, cycles and complete binary trees. (Received September 29, 2004)