1003-05-1161   **Charles Brian Crane*** (`cbcrane@emory.edu`), 2515 NE Expressway, Apt. X-12, Atlanta, GA 30345. *Forbidden Subgraphs and Generalized Pancyclic Properties in Graphs.* Preliminary report.

A graph G with n vertices is said to be (k, m)-*pancyclic* if for any set S of k vertices in G and any integer r with $m \leq r \leq n$, there is a cycle of length r in G which contains S. We consider pairs of forbidden subgraphs which guarantee that a 2-connected graph is (k, m)-pancyclic for some integer $m \leq n$, and we give the best (smallest) possible value for m in each case. (Received October 04, 2004)