1116-VF-2960 **Taoye Zhang*** (tuz3@psu.edu), 120 Ridge View Dr, Dunmore, PA 18512. *Pancyclicity of 4-Connected Claw-free Net-free Graphs.*

A graph G is said to be pancyclic if G contains cycles of lengths from 3 to $|V(G)|$. The net $B(i,j)$ is obtained by associating one endpoint of each of the path P_{i+1} and P_{j+1} with distinct vertices of a triangle. Ferrara et al. (2013) showed that every 4-connected $\{K_{1,3}, B(i,j)\}$-free graph with $i+j=6$ is pancyclic. We prove that every 4-connected $\{K_{1,3}, B(i,j)\}$-free graph with $i+j=7$ is either pancyclic or it is the line graph of the Petersen graph. (Received September 23, 2015)