1116-05-1914 Qiuju Bian, Ronald J. Gould, Paul Horn, Susan Janiszewski, Steven La Fleur and Paul Wrayno* (paul.wrayno@cnu.edu). 3-connected $\{K_{1,3}, P_9\}$ -free Graphs are Hamiltonian Connected.

We show that any graph that is 3-connected and does not contain either the claw, $K_{1,3}$, or a path on 9 vertices, P_9 , as an induced subgraph is hamiltonian connected. Additionally, by building on previous restrictions, we are able to say that this is the penultimate result on forbidden pairs that imply 3-connected graphs are hamiltonian connected. After incorporating our restrictions, the only potential additional pair whose forbidding could imply hamiltonian connectedness is $\{K_{1,3}, L_3\}$, the claw and a pair of triangles connected by a single a path of 3 edges. (Received September 21, 2015)