1125-05-1375 **Kirsti Wash*** (kirsti.wash@trincoll.edu). The packing chromatic number of subdivisions of subcubic graphs.

The packing chromatic number $\chi_{\rho}(G)$ of a graph G is the smallest integer k such that the vertex set of G can be partitioned into sets X_1, \ldots, X_k where X_i is an *i*-packing for each $i \in \{1, \ldots, k\}$. Gastineau and Togni recently conjectured that $\chi_{\rho}(S(G)) \leq 5$ where S(G) is the subdivision of any subcubic graph. We show that the conjecture is indeed true for all generalized prisms of a cycle other than the Petersen graph. We also give a more general class of 2-connected subcubic graphs for which the conjecture holds and discuss the obstacles of proving the conjecture in general. (Received September 16, 2016)