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Daniel W. Cranston* (dcranston@vcu.edu), Virginia Commonwealth University, Department of Math and Applied Math, 1015 Floyd Avenue, Richmond, VA 23284, and **Landon Rabern**, Branford, CT. *Graphs with $\chi = \Delta$ have Big Cliques.*

Let G be a graph with maximum degree $\Delta \geq 3$. Brooks' Theorem says that if G has chromatic number $\Delta + 1$, then G has a clique on $\Delta + 1$ vertices; otherwise G has chromatic number at most Δ . In 1977 Borodin and Kostochka conjectured that if G is a graph with maximum degree $\Delta \geq 9$ and chromatic number Δ , then G has a clique on Δ vertices. For maximum degree $\Delta \geq 13$, we prove that if G has chromatic number Δ , then G has a clique on at least $\Delta - 3$ vertices. This is joint work with Landon Rabern. (Received August 24, 2013)