

1135-M5-2133 **Colin Starr*** (cstarr@willamette.edu), 900 State St, Salem, OR 97301. *Problems Inspired by Nordhaus-Gaddum.*

The theorems of Nordhaus and Gaddum connect the chromatic numbers of a graph and its complement in some inequalities. We explore some fun, elementary problems arising from consideration of the extreme cases of these inequalities. (Received September 25, 2017)