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**L P Aiken\*** (laiken1@gmu.edu), Department of Mathematical Sciences, George Mason University, 4400 University Drive, Fairfax, VA 22030. *Star-covering properties: generalized  $\Psi$ -spaces, countability conditions, reflection.*

For a topological property  $\mathcal{P}$ , we say that a space  $X$  is star- $\mathcal{P}$  if and only if for every open cover  $\mathcal{U}$  of  $X$  there exists a subspace  $Y$  of  $X$  such that  $\text{st}(Y, \mathcal{U}) = X$  and  $Y$  has property  $\mathcal{P}$ . We investigate several star-covering properties of  $\Psi$ -like spaces. In addition, we show that star-Lindelöfness is reflected by open perfect mappings and offer a new topological equivalence of the Continuum Hypothesis. (Received July 30, 2011)