Meeting: 1004, Bowling Green, Kentucky, SS 8A, Special Session on Topology, Convergence, and Order, in Honor of Darrell Kent

1004-54-31 **Hans-Peter A. Künzi**, University of Cape Town, and **Tom Richmond*** (tom.richmond@wku.edu), Department of Mathematics, Western Kentucky University, 1 Big Red Way, Bowling Green, KY 42101. *T_i-ordered Reflections.*

We present a construction which shows that the T_i-ordered reflection ($i \in \{0, 1, 2\}$) of a partially ordered topological space $(X, \tau, \leq)$ exists and is an ordered quotient of $(X, \tau, \leq)$. We give an explicit construction of the T_0-ordered reflection of an ordered topological space $(X, \tau, \leq)$, and characterize ordered topological spaces whose T_0-ordered reflection is T_1-ordered. (Received January 02, 2005)