

Meeting: 1003, Atlanta, Georgia, SS 6A, AMS-ASL Special Session on Reverse Mathematics, I

1003-03-1427 **Timothy H McNicholl*** (tmcnichol@acad.udallas.edu), Department of Mathematics,
University of Dallas, Irving, TX 75062, and **Jeff L Hirst.** *Ramsey Theory on Trees.*

Let $T = 2^{<\omega}$. Let $[T]^n$ be the set of all linearly ordered n -element subsets of T . We show that every finite coloring of $[T]^n$ has a monochromatic subset that is isomorphic to T . Furthermore, we show that every computable coloring of $[T]^2$ has a Π_2^0 subset that is isomorphic to T . (Received October 05, 2004)