Meeting: 1003, Atlanta, Georgia, SS 26A, AMS-SIAM Special Session on Dynamic Equations on Time Scales; Integer Sequences and Rational Maps, I

1003-39-1026 **Lynn H Erbe*** (`lerbe@math.unl.edu`), Department of Mathematics, University of Nebraska, Lincoln, NE 68588, and **Allan C Peterson** (`apeterso@math.unl.edu`), Department of Mathematics, University of Nebraska, Lincoln, NE 68588. *Comparison Theorems of Hille-Wintner Type for Dynamic Equations on Time Scales.*

Comparison theorems of Hille-Wintner type are obtained for the general second order linear dynamic equation equation on a time scale. These involve integrals of the coefficient functions and yield oscillation and nonoscillation criteria which are easily shown to be sharp. (Received October 02, 2004)