1116-S1-2573 **Catherine E Cavagnaro*** (ccavagna@sewanee.edu), 735 University Avenue, Sewanee, TN 37383. *Aircraft Longitudinal Oscillations.*

In many ways, an airplane acts as a spring-mass-damper system with mass, spring constant, damping coefficient and forcing function determined by the manufacturer, the pilot and, sometimes, mother nature. In particular, we apply the theory of second-order linear differential equations to flight in an airplane covered in ice. (Received September 22, 2015)