1092-01-49   **Nicholas A Scoville*** (`nscoville@ursinus.edu`), Ursinus College, 601 E. Main Street, Dept. of Math and CS, Collegeville, PA 19426. *Topology and its history are connected under the classroom topology.* Preliminary report.

A first course in point-set topology tends to not only be divorced from history, but also divorced from any other branch of mathematics in the minds of many students. This makes continued motivation of new topological concepts difficult. In contrast, the historical development of certain concepts provides automatic motivation and places the concept in its larger mathematical context. In this talk, we will outline a preliminary list of topics which trace the evolution of connectedness. Beginning with Cantor and a problem of Fourier series, we investigate the contributions of Jordan and Schoenflies, culminating in the current definition first given by Lennes. We share pedagogical suggestions to connect the thought of these mathematicians to build a coherent narrative which teaches some of the main properties of connectedness through part of its historical development. (Received July 17, 2013)