Keith Whittington* (kwhittin@pacific.edu), Dept. of Mathematics, University of the Pacific, 3601 Pacific Ave., Stockton, CA 95211, and Janusz Prajs. Filament sets, aposyndesis, and the decomposition theorem of Jones.

Applications of the work introduced by the authors in a recent article, Filament sets and homogeneous continua, are given to aposyndesis and local connectedness. The aposyndetic decomposition theorem of Jones is generalized to spaces with the property of Kelley. (Received September 09, 2005)