The Appeal of Pointfree Topology (to classical topologists): ♪♪ *These are a few of my favorite things* ♪♪

J. L. Walters-Wayland

CECAT, Chapman University, Orange, California
walterswayland@chapman.edu

It is over half a century since John Isbell's seminal paper "Atomless Parts of Spaces" appeared in Mathematica Scandinavica. The last five decades have witnessed a wonderful expansion and understanding of his vision, much of it led by Bernhard Banaschewski. I will attempt to convince the audience that some of my favourite constructions/ideas in frame/locale theory may be of use to classical topologists. In particular, I will consider Isbell's density theorem, the Lindelöf (co)reflection (and κ generalizations), the "cozero" scaffolding and hollowness, and the paracompact (co)reflection of completely regular frames. If time permits, I will also mention the Bruns-Lakser completion (of a meet-semilattice).