Collection Tree Protocol, or CTP, is a protocol designed to collect data from sensor network. The nodes in the network compute shortest path route to the data collection points, also called roots. While shortest path algorithms are not new in routing research, we had to design three techniques to make the protocol efficient, reliable, and robust: four-bit link estimation, adaptive beaconing, and data path validation. In this talk, I will describe CTP and why it has become the most widely used collection protocol in wireless sensor network research. I will also share how our work in CTP led to thoughts on reproducible experiments in sensor network research.