

1154-AC-1587 **Elizabeth W Schott*** (eschott@fsw.edu). *The Mathematics of the COMAP Modeling Contests - Problem A.*

Over the last five years, the students involved in the COMAP modeling contest have explored the challenges a variety of topics ranging from eradiating Ebola, managing the Zambezi River, optimizing a hot bath, multi-hop HF radio propagation to exploring the ecology of dragons. This talk will discuss the Problem A problems posed and look at the math behind the proposed solutions. (Received September 17, 2019)