1145-51-615 **Will Traves*** (`traves@usna.edu`). *Binomial proofs of fundamental results in geometry.*
T.S. Michael and I often talked about problems in elementary geometry. He knew a lot and I had much to learn. In this talk I'll present some algebraic proofs of elementary results in Euclidean geometry. The surprise is that many of these results admit an interpretation in projective geometry – even though they involve lengths and distances – a development that I think T.S. would have liked. (Received September 11, 2018)