1164-57-91 **Michael R Klug***, michael.r.klug@gmail.com. *The Arf invariant in dimensions 3 and 4.*

There are so many Z/2Z valued invariants in low dimensional topology. The Arf invariant of a knot, the Rochlin invariant of a homology sphere, the Kirby-Siebenmann invariant of a 4-manifold– are these all somehow the same thing? I'll explain how, to me, the answer is yes and I will present various relationships between these invariants. The Arf invariant will take center stage. (Received January 14, 2021)