1064-20-370   **Michael Kinyon*** (`mkinyon@du.edu`), 2360 S Gaylord St, Denver, CO 80208. *Loops with abelian inner mapping groups: recent progress.*

In 2005, P. Csörgő settled in the negative the question of whether a loop with abelian inner mapping group must be nilpotent of class 2. Since then, many other counterexamples of class 3, now generally referred to as loops of Csörgő type, have been constructed. There are still interesting questions to be answered in this line of research, such as: (1) Does there exist a counterexample of class greater than 3? (2) Given a particular well-known variety of loops, does there exist a loop of Csörgő type in the variety or does every loop in the variety with abelian inner mapping group have class 2? In this talk, I will stick my neck out and give a detailed conjecture regarding question (1), and discuss recent progress in question (2). This is a combination of work with various people, including J.D. Phillips, Petr Vojtěchovský, Aleš Drápal and Robert Veroff. (Received September 14, 2010)