1151-20-108   **Rachel Skipper*** (`skipper.rachel.k@gmail.com`), 100 Math Tower, 231 W 18th Ave, Columbus, OH 43210, and **Benjamin Steinberg**. *Generating lamplighter groups with bireversible automata.*

We use the language of formal power series to construct finite state automata generating groups of the form $A \wr \mathbb{Z}$, where A is the additive group of a finite commutative ring and $\mathbb{Z}$ is the integers. We then provide conditions on the units of the ring and the power series which make automata bireversible. (Received August 12, 2019)

1