1035-46-49   **Emily H Sprague*** (`esprague@edinboro.edu`), Mathematics and Computer Science, Doucette Hall; 215 Meadville Street, Edinboro University of Pennsylvania, Edinboro, PA 16412, and **Berhane T Ghaim** (`bghaim@bw.edu`), Mathematics Department, Baldwin-Wallace College, 275 Eastland Rd., Berea, OH 44017-2088. *A reexamination of the structure of the irrational numbers.* Preliminary report.

In this note we revisit a homeomorphism between the irrational numbers and the space of infinite sequences of natural numbers which has natural connections to historical work of Paley and Zygmund (following Khinchin). Interesting properties result.

1