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Daniel J Thompson* (thompson@math.psu.edu), Mathematics Department, Penn State University, State College, PA 16802, and **Vaughn Climenhaga**, Department of Mathematics, Mathematics Building, University of Maryland, College Park, MD 20742. *Subshift factors of the β -shift are intrinsically ergodic.*

We show that every subshift factor of a β -shift has a unique measure of maximal entropy. This provides an affirmative answer to Problem 28.2 of Mike Boyle's article 'Open problems in symbolic dynamics'. We will explain the problem and its relation to existing results, and give some idea of how our approach works. We will also discuss some other examples of symbolic spaces where our technique can be applied. (Received September 09, 2010)