## 1046-05-1457Emma E. Snively\* (snivelee@rose-hulman.edu), RHIT CM 821, 5500 Wabash Ave, Terre<br/>Haute, IN 47803, and Bill Kay (kayw@mailbox.sc.edu) and Greg Brockman<br/>(gbrockm@fas.harvard.edu). Universal Cycles on Simple Graphs.

A universal cycle of combinatorial objects is the smallest possible cyclic representation of all objects in a class. For example, 0011 is a universal cycle of 2-letter binary words because it contains each of 00, 01, 11, 10 exactly once. We explore the properties of universal cycles of simple graphs on n vertices. (Received September 15, 2008)