1106-05-455 **Emily Gaub**, Department of Mathematics, 2043 College Way, Pacific University, Forest Grove, OR 97116, and **Michelle Rose*** (`mmrose1@email.msmary.edu`), Department of Math and Computer Science, 16300 Old Emmitsburg Road, Mount Saint Mary's University, Emmitsburg, MD 21727. *The Unit Bar Visibility Number of Graphs.*

A *t-unit-bar representation* of a graph G is an assignment t horizontal bars of equal length to each vertex of G so that two vertices u and v are adjacent if and only if an unobstructed vertical band of positive width joins a bar assigned to u to a bar assigned to v. The *unit bar visibility number* of G, denoted $ub(G)$, is the minimum t such that G has a t-unit-bar representation. In this talk we present a collection of results and bounds concerning the unit bar visibility number of graphs.Our results include a linear time algorithm for determining the unit bar visibility number of any tree and asymptotically sharp bounds for complete bipartite graphs. (Received August 28, 2014)