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R Sean Bowman* (sean.bowman@okstate.edu) and **Jesse Johnson**. *Bridge numbers of knots in the page of an open book*. Preliminary report.

An open book decomposition of a 3-manifold M consists of a binding L and a bundle map $M \setminus L \rightarrow S^1$ such that the preimage of a point in S^1 is the interior of a surface S whose boundary is the link L . Such a surface is called a page of the open book, and we examine knots lying in these surfaces. By studying the action of the map on the arc and curve complex of a page induced by the bundle map, we find knots which have arbitrarily large bridge number with respect to Heegaard splittings of every genus up to $2g(S) - 1$. Several corollaries will be noted. (Received September 16, 2013)