1046-57-932   **Martin Scharlemann** (`mgscharl@math.ucsb.edu`), Department of Mathematics, UC Santa Barbara, Santa Barbara, CA 93106, and **Abigail Thompson*** (`thompson@math.ucdavis.edu`), Department of Mathematics, UC Davis, Davis, CA 95616. *Surgery on a knot in (surface)x(I).*

We examine under what conditions surgery on a knot in a (surface)x(I) yields a manifold with compressible boundary. (Received September 12, 2008)