Jennifer A Firkins* (jfirkins@linfield.edu), Linfield College, Department of Mathematics, 900 SE Baker Street, McMinnville, OR 97128. Locally Artinian Serial Rings.

A locally Artinian ring is locally serial if the lattices of submodules of the indecomposable projective left and right modules are chains. We study the representation theory of locally serial rings and are able to extend some of the rich theory of unital serial rings to them. In particular, we give conditions for modules over these rings to have uniserial decompositions. However, we also provide an example of a module over a locally serial ring that does not decompose as a sum of uniserial modules. (Received September 29, 2000)