The present BALMSETL system is rather portable, as its transfer to a new machine involves only the rewriting of either a short simulator or a somewhat longer 'translating' code generator. (Incidentally, Bob Paige's work on the translator should be written up and rationalized in a manner making it as useful a model for work on other machines as possible.)

Simulator versions exist for the UNIVAC 1108 and the IBM 360. Ed Desautels at Wisconsin is interested in SETLB and may wish to produce an 1108 translator. Kurt Maly, now at Minneapolis, may undertake to modify BALM so as to provide for the paging of code blocks, which should by initial estimates allow the system to run in 140K on a 6600, making it available on the Minneapolis 6600 which has 200K of memory.

The main present obstacle to bringing the full system up on other than 6600 machines is the SETLB processor, written in 6600 FORTRAN. The following way around this obstacle is proposed.

Write and debug a version of the preprocessor, either in SETLB, or, if greater efficiency is required, in BALM.

This should be a task of some 3 man-months. Once this processor were available, the whole system would be equiportable with BALM, since a BALMSETL version of the SETLB preprocessor can be produced using the existing system.