Transferring SETLB to other machines   J. Schwartz

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.