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Identification

Accessing the MULTICS BCPL compiler through MRGEDT
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Purpose

The purpose of this document is to describe how users of CTSS may access the MULTICS BCPL compiler to compile BCPL programs into TEXT + LINK files. The Merge-Editor has been modified to recognize BCPL as a language, and so BCPL compilations can be submitted like EPL compilations to the Merge-Editor, by using the name 'BCPL' wherever 'EPL' would be used.*

A description of the BCPL language as implemented for MULTICS is given in MSPM Sections BZ.6.00 and BZ.6.01.

The MULTICS-BCPL Compiler

A BCPL compiler which produces EPLBSA source text exists on perm-disc on the Murray Hill 645 and on tape on the MAC 645. This compiler, like EPL, runs under GECOS and requires EPLBSA to be run as a subsequent activity. This compiler is essentially the same as the one which will exist on MULTICS. It is also, except for the code generators, the same as the GECOS-BCPL compiler, which exists at Murray Hill and produces code for the GE 635 under GECOS.

Results From A Compilation

The TEXT, SYMBOL, and LINK files will be returned to your directory. However, listings of source code, EPLBSA code, and compiler-generated diagnostics will not be returned. These will be printed by the 645 and must be picked up from the comp center at Murray Hill or at MAC.

The MRGEDT tables for MAC and for Murray Hill are not identical. To run BCPL at BTL (MH) do "LINK MRGEDT (TB22) T269 CMFLO3". To run BCPL at MAC do "UNLINK MRGEDT (TB22)".

* For a description of the Merge-Editor and 'MRGEDT' command see MSPM BE.5.02.