Corrections to Versions 3.10 and 3.11 of
the SIL Implementation of SNOBOL4

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Source Listing Numbering

Lines in the original SIL source file for Version 3 of SNOBOL4 are numbered at the right. Corrections to that file were made through Version 3.11 by insertions and deletions of lines, but the numbering of the original lines was not changed. Listings of the source file were published in S4D25 (Version 3.0), S4D26 (Version 3.7), and S4D26b (Version 3.11).

In February 1981, the Version 3.11 source file was resequenced to incorporate existing corrections and published in S4D26c. Source distributed before February 1981 is numbered according to the old scheme, while source distributed after that date has the new numbering. The two numberings can be distinguished by the number of the last line. In the old file, the last line is numbered 6550, while the last line in the new file is numbered 6611.

Error in Correction to Old Source File

As a result of a clerical error in preparing Correction 3.10 to the SIL source code for SNOBOL4, some copies of Versions 3.10 and 3.11 of the old file were distributed with an error.

The consequence of this error is that conditional value assignment does not work properly if the name to which the assignment is made is an unevaluated expression, as in

```
STRING     LEN(1)  .  *A[I]
```

The location of the error is in line 4439 (as originally numbered) at the label NAMEXN. This line should read

```
NAMEXN    RCALL     TVAL,EXPEVL,TVAL,(FAIL,NMD5,NEMO)               E3.10.5
```

(In the erroneous correction, the procedure called was EXPVAL, not EXPEVL.) This error also occurs in the distributed listing of Version 3.11 (S4D26b). It has been corrected in the new file and in S4D26c.

Error in Version 3.10 Correction to Both Files

There is an error in one of the corrections that appeared in Version 3.10. The error appears in correction E3.9.1 (in the linkage to external functions). In the old file, it is the line inserted after line numbered 3360. In the new file, it is line 3393. The erroneous line reads

```
SETAV     WCL,WCL
```

It should read

```
SETAV     WCL,YCL
```

If this error is not corrected, parameters are not passed to external functions.

This error appears in S4D26c as well as copies of the new file distributed prior to January 1, 1982. Copies of the new file distributed since that date have been corrected.

Error in the New Source File

The comment in line 5303 of the new source file extends into column 72. This may cause problems with some assemblers, but can be easily rectified by abbreviating the comment. New source files distibuted after April 24, 1982 do not have this problem.

Acknowledgements

Viktors Berstis noted the error in the correction to the external function linkage and provided the correct code. Peter J. Farley III noted the trouble with the comment in the new source file.