The BSL Bulletin is a means of distributing information about BSL to IBMers who are using BSL. All BSL users should be receiving the BSL Bulletin. A form for having names added to the distribution list is provided at the back of this BSL Bulletin.

This BSL Bulletin contains information concerning:

- BSL/eleven'

- The availability of BSL/12

- System control blocks in BSL

BSL/eleven'

BSL/eleven' is a modification of the eleventh internal release of the BSL compiler. It can be ordered from Department D76, SDD, Poughkeepsie, New York. Programmers using BSL under CLEAR PTM release 20 should be using BSL/eleven'.

In addition to a change that makes BSL compatible with CLEAR PTM release 20, BSL/eleven' contains fixes for the following problems that exist in BSL/eleven.

1. An incorrect ICTL is generated if the SEQ option specifies a sequence number that has a non-blank in column 72.

2. The GENMGIN option causes the BSL compiler to abend when the difference between the right and left margins equals 70 and the left margin is not 1.

3. TRACE does not give correct information if the ANNOTATE =1 option is used.

4. A CALL argument of the form CONSTANT * VBL causes registers to be used improperly for the remainder of the compilation.

5.   A CALL argument of the form STRING
        (CONSTANT:CONSTANT) is flagged as an error.

6.   Division is performed incorrectly when the
        divisor is in register 15 from a previous
        statement.

7.   An assembly error is produced for statements
        of the form IF A = B(I) where A is BASED(PTR-
        CONSTANT), and B is a string.

8.   More than one level of factoring in a declare
        statement may cause the statement to be
        flagged as an error.

9.   Incorrect code is generated for a reference to an
        item in a based structure, followed by a
        reference to an item located by a pointer in the
        same structure.

10.   With exactly two registers available, an
        assignment to a variable length based string
        generates incorrect code.

BSL/12

BSL/12 is scheduled to be distributed November 26, 1969. In addition
to fixes for reported problems, BSL/12 will contain a number of
new features and some object code optimizations. The new features
and optimizations will be described in a BSL Bulletin that will be
distributed with BSL/12.

System Control Blocks in BSL

A program has been written that will translate an assembly language
DSECT into a BSL based structure or into a bilingual mapping
macro. The program, a description of what it will do, and instructions
for using it can be ordered from Department D76, Building 706, SDD,
Poughkeepsie, New York.

A bilingual mapping macro is a member of a partitioned data set that
contains both the assembly language description and the BSL description
of a system control block. The member is arranged so that the BSL
compiler ignores the assembly language portion, and the assembler treats
the BSL statements as comments. BSL programs that use bilingual macros
must use column 2 as left source margin.

The Systems Interface Design group, D96, Poughkeepsie, plans to
translate a number of OS/360 system control blocks into bilingual macros
and have them distributed in PVTMACS after OS/360 release 19. The
names of the blocks that they plan to translate are listed in the appendix.

A system control block is brought into a BSL program with a %INCLUDE
statement that specifies SYSLIB in the ddname field. Parameters to the
control block must be declared as compile time character variables, and
set with compile time assignment statements before the block is included.
For example, to use the CVT in an MVT environment, write:

```
%DCL CVTSYSC CHAR;

%CVTSYSC = 'MVT';

%INCLUDE SYSLIB (IEZCVT);
```

APPENDIX

OS/360 System Control Blocks to be translated into bilingual macros

ACT	LLE
CDE	PICA
CSCB	PIE
CVT	PQE
DCB	PRB
DEB	SCT
DQE	SIOT
IRB	SPQE
JCT	SVRB
JFCB	TCB
JFCBX	TIOT
JSCB	UCB
LCT	VOLT

TO: Mr. F. F. Witham
       Dept. D76, Bldg. 706
       IBM Corporation   _____
       P. O. Box 390   Date
       Poughkeepsie, New York 12602

Please send me the BSL documentation checked in the quantities indicated.

Document	Quantity
Basic Systems Language Primer Z28-6678-0	
BSL Language Specification Z28-6642-0	
BSL Language Specification TNL Z28-2361	
BSL User's Guide Z28-6682-2	
BSL Library Manual October 27, 1967	
Slide Guide to BSL	
BSL Compiler Trouble Report Forms	

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