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SHARE PROGRAM LIBRARY SUBMITTAL FORM

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Triangle Universities Computation Center
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SPLA CONTROL NUMBER: 48

This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the "SHARE Reference Manual".

- (1) Program Number (to be filled in by SPLA)..... 360 D - 05.1.018
- (2) System Type (machine)..... S/360, S/370
- (3) Search Key..... Baylor Executive System for Teleprocessing
(BEST)
- (4) Programming Systems/Languages..... Assembler (F)
- (5) Author's Name and Address..... W. Hobbs, J. McBride,
T. Brown, T. Kendrick, A. Beale
- (6) Direct Technical Inquiries to Name & Address Alan Beale
(if different than Author) Institute of Computer Science
Baylor College of Medicine
Houston, Texas 77025
- (7) Title of Program..... Baylor Executive System for Teleprocessing
- (8) Submitter's Installation Membership Code..... BAU
- (9) Submitter's Own Program Identification and Suffix(Optional)..
- (10) Primary Subject Code..... 05 1
- (11) Minimum System Requirements See Abstract
- (12) New or Revision Code (if revision, show prior Program Number in Item 1) R
- (13) Year Completed..... 1975
- (14) Date of Submittal..... 5/28/75
- (15) Documentation (number of original pages submitted).....
- (16) Abstract (should contain sufficient information for a reader to determine the value of the program). Listed on the reverse side of this form are subjects which may serve as a guide for a descriptive abstract.

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Subject Guide:

- a. Purpose
- b. Programming Language used
- c. Version and modification level or release number
- d. Field of application
- e. Type of routine (main program, subroutine, etc.)
- f. Specific description of machine requirements

ABSTRACT

BEST is a teleprocessing system which supports interactive execution of multiple jobs from terminals while the usual batch job streams are operational. High-level language interfaces are included with the system so that interactive programs may be written in PL/I (F or X), COBOL, or FORTRAN, as well as assembler language. All jobs in the system are storage protected and can be time-sliced. BEST runs on any system 360/370 running OS/ MFT or OS/MVT with at least 256K. It supports the following terminal types: 1050, 2740, 2741, 2260 (local or remote), 3277 (local), 3284 or 3286 (local), and teletype mod 33/35.

DISCLAIMER

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(Please attach additional pages if necessary).....Total pages attached _____

Permission to Publish

"I hereby give the SHARE Program Library Agency permission to reprint, reproduce, and distribute this program."

- (17) Signature of Submitter and Date Alan R. Beale 5/28/75
- (18) Signature of Installation Addressee Frank J. Mattingly 5/29/75

Magnetic Tape Key

This volume (externally labelled BESTV3. 4) contains 4 files and 4 tape marks arranged as follows:

9 track 1600 bpi

FILE 1 - An OS/360 Job Stream

EBCDIC
10 OS/360 jobs to perform BESTGEN
1,441 unblocked card-images (LRECL=80)
T/M

FILE 2 - Source Card Input for BESTGEN

EBCDIC
27,201 card images blocked 40 per block
681 records of 3200 characters each
T/M

FILE 3 - BEST Documentation

EBCDIC
RECFM=VBA, LRECL=132
BLKSIZE=7128
8207 logical records, 152 blocks
T/M

FILE 4 - Supplementary BEST Documentation

EBCDIC
RECFM=VBA, LRECL=125
BLKSIZE=~~8000~~ 7777
734 logical records, 5 blocks
T/M

See the BESTGEN section of the documentation for instructions on how to start an OS (or HASP) reader to the first file on the tape. The first two files consist of card images, and may be printed or punched (if desired) using the OS utility IEBPTPCH or IEBGENER. Use of the TN train in printing these files is recommended.