DISTRIBUTION LIST

B1800/B1700 SOFTWARE PRODUCT SPECIFICATIONS

DETROIT

S. M. Roberson - Prod. Mgmt.
P. Gonzales - Prod. Mgmt.
J. M. Ross - Int'l Group P
C. Kunkelmann - BMG

B. Dent - CSG
D. Dahm - Corp. Eng.
Dir., Pgmg. - SSG
M. Dowers - Int'l FE
D. Hill - TC, BM, & SS

U.S. AND EUROPE

D. Cikoski - (Plymouth)
J. H. Pedersen (Plymouth)
W. E. Feeser (Austin)
J. Berta (Downingtown)
W. Minarcik (Paoli)
G. Smolnik (Paoli)
T. Yama - F&SSG (Paoli)
M. E. Ryan (Tredyffrin)
J. Firth (McLean)
A. Kosla (McLean)
A. LaCivita - F&SSG (McLean)
L. Guell - F&SSG (McLean)
R. Sutton - F&SSG (McLean)
L. DeBartelo - WADC (Irvine)
R. Cole (Pasadena)
H. M. Townsend (Pasadena)
N. Cass - Pat. Atty. (Pasadena)
D. C. Swanson (Mission Viejo)
J. Lowe (Mission Viejo)
H. N. Riley (El Monte)

J. C. Allan (Glenrothes)
W. McKee (Cumbernauld)
B. Higgins (Livingston)
Mgr, NPSGrp (Ruislip)
E. Norton (Middlesex)
B. Hammersley (Croydon)
J. Gerain (Pantin)
J. Cazanove (Villers)
J. C. Wery (Liege)
R. Bouvier (Liege)
G. LeBlanc (Liege)
C. J. Tooth - SSG (London)

SANTA BARBARA PLANT

S. C. Schmidt
J. Hale
R. Shobe
K. Meyers
A. van der Linden
T. Cardona
R. Bauerle

J. Henige
E. Yardi
J. Darga
L. Sweeney - 2
G. Hammond - 3
J. Morrison - 6

Distribution list current as of 12/03/80

DOCUMENT TRANSMITTAL

SYSTEM/PRODUCT ____ B1800/B1700 ____   DISTRIBUTION TYPE ____

UNIT NAME ____   PROJ. NO. ____

COORD. ____   CHKR. _J. Nale_   RECORDS ISSUE DATE 12-15-80

DOC PFX OR DWG SIZE	DOCUMENT NUMBER	REV OR ISSUE	DOCUMENT DESCRIPTION	ENG. RECORDS ONLY				REMARKS
				QTY REV PAGE	COPIES EACH PAGE	BOND	VELLUM	
P.S.	2219 0219	D	DISKETTE/COPY	21	62			

PRODUCT SPECIFICATION

REV LTR	REVISION ISSUE DATE	APPROVED BY	REVISIONS
A	4/20/77	*Hale*	Original Issue
B	12/15/79	*Hale*	Updated to MARK VII.0 release

Page	Change
	<Mix-index> replaced by <job-number> throughout.
1-1	Reference to SYSTEM/ICMD.INIT added.
2-1	Check of syntax and error display added to first paragraph.
2-2	AUTOLOAD FACILITY added.
3-1 to 3-2	Table 4.1 re-done in railroad syntax and explanation of that format added. (<file-number>) option added and explaned on 3-2. BYPASS option added.
3-4	BYPASS option explained.
3-6	KA and PURGE options done in railroad syntax. RL option added and described.
4-1	Introductory paragraph expanded. VOLUME HEADER REQUIREMENTS re-formatted (no syntax changes).
4-2 to 4-3	FILE HEADER REQUIREMENTS re-formatted. H.BYPASS option added and defined.
5-3	Note added to message 46. Messages added;
	47. UNABLE TO WRITE VOLUME LABEL ON <unit-id>
	48. MISSING RIGHT PAREN IN DUPLICATE FILE SPECIFICATION
	49. DUPLICATE FILE NUMBER REQUESTED NOT FOUND ON UNIT <unit-id>

REV LTR	REVISION ISSUE DATE	APPROVED BY	REVISIONS
C	8-31-79	*Hale*	Updated to MARK IX.0 release level
			3-3 Inserted, ";however, an <out-file-identifier> is still required." to the eighth paragraph.
D	12/9/80	*Hale*	Changes for MARK 10.0 Release
			3-5 Updated "On input, when..." paragraph.
			5-2 Updated list of Error Messages.

TABLE OF CONTENTS

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

DISKETTE/COPY
P.S. 2219 0219 (D)

INTRODUCTION

The DISKETTE/COPY program copies data from an industry compatible
flexidisk to any B1800/B1700 peripheral device or vice versa.
Flexidisk files may be reproduced on, or copied from, any of the
following media:

        Card
        Magnetic tape
        Paper tape
        Disk (other than flexidisk)

Note that copy is not allowed between flexidisks and that the
flexidisk must be inititalized. Uninitialized flexidisks can be
made compatible to the B1800/B1700 system through the
SYSTEM/ICMD.INIT program.

Syntax for the DISKETTE/COPY program is modeled after DMPALL.
The intent of this similarity is to provide the user with an
inherent understanding (developed via usage of DMPALL) of how to
operate DISKETTE/COPY. While there are many similarities to
DMPALL, DISKETTE/COPY has characteristics unique to the flexidisk
and to itself. These differences should be understood and
practiced to obtain the desired results.

RELATED DOCUMENTATION

        NAME   NUMBER
        ----   ------

    DMPALL   2212 0219
    SYSTEM/ICMD.INIT   2219 0409
    B1800/B1700 Software Operational Guide   1068731

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

OPERATING INSTRUCTIONS

DISKETTE/COPY may receive instructions from either the console keyboard or the card reader. The program checks the syntax of all specifications and, if an error is found, a diagnostic ERROR MESSAGE is displayed on the system console.

CONSOLE KEYBOARD

DISKETTE/COPY will look for instructions from the console keyboard unless explicitly told to do otherwise by setting program switch zero to one (SW 0 = 1). Upon request for the execution of DISKETTE/COPY using the console keyboard (EX DISKETTE/COPY), the user may expect the following messages:

    DISKETTE/COPY = <job-number> BOJ.
    DISKETTE/COPY = <job-number> PLEASE PROVIDE COPY PARAMETERS.
    DISKETTE/COPY = <job-number> ACCEPT.

The operator replies to the ACCEPT message by entering an AX <message> containing the copy specifications needed to perform the DISKETTE/COPY operation.

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

CARDS

The DISKETTE/COPY execute control deck from cards has the
following format.

```
? EXECUTE DISKETTE/COPY SW 0 1;
? FILE SPEC NAME <specification-file-identifier>;
? DATA <specification-file-identifier>
  (specification cards)
? END
```

There may be more than one card (COPY request) in a specification
card file, however each card must contain one request in its
entirety.   All specification entries are free form in the first
72 columns of the card, and must be separated by at least one
space.   The card file containing the specifications (one per
card) is loaded to disk, and each specification is executed in
turn from there.   The FILE card in the control deck is optional.
If it is omitted, the file identifier on the card file must be
"SPEC".

AUTOLOAD FACILITY

DISKETTE/COPY automatically loads pseudodeck files on flexidisk
to system disk if the pseudodeck files are named "PSR" or if
"PSR" constitutes the first three characters of the
eight-character filename.   Upon the insertion (or RY-ing) of a
flexidisk, the operating system will search the flexidisk file
directory for "PSR" type files.   Discovery of such a file will
cause DISKETTE/COPY to be executed, and DISKETTE/COPY in turn
will automatically load all "PSR" type files to system disk as
psuedo decks.

The autoload condition occurs without operator intervention.
DISKETTE/COPY is executed by the operating system, and the
program loads all of the files that fulfill the naming
conventions described in the previous paragraph. Pseudodecks are
further described below in the discussion of the PSEUDO entry.

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

SPECIFICATIONS AND FILES

COPY SPECIFICATIONS

The copy string consists of the following specifications:

```
-- COPY ---<routine-type>---------- <input-file-id> --------->>

  >>--------------------------------------------------------->>
     |<---------------------------------------------------------|
     |-/1\-- (<file-number>) -------------------------------->|
     |-/1\-- <input-rec-lgth>------------------------------->|
                             |-- <blocking-factor> -->|


  >>----------------------------------- <output-file-id> ------->>


  >>------------------------------------------------------------>>
     |-- <output-rec-lgth> ---------------------------------->|
                             |-- <blocking-factor> ------|
                                                         | |
     |<----------------------------------------------------| |
     |-- <blocks-per-area> ------------------------------->|
                             |-- <number-of-areas> --->|

  >>----------------------------------------------------------------#
         |-- PSEUDO ------->|
         |-- BYPASS ------->|
```

Table 4.1 Syntax of Specifications.

Valid COPY commands are presented in Figure 4.1 and explained in
the pages that follow. A valid DISKETTE/COPY command is
developed from following the main line of syntax from its
beginning to its termination point (#). Where optional entries
are concerned, the direction of flow proceeds down on the
left-hand line and up on the right. Unless otherwise noted,
optional entries are expected by the program in the order (top to
bottom) in which they are presented.

Required entries occur on the main line of development; optional
ones below the line. Required keywords appear in upper-case
letters;

variables in lower-case letters. Uncerlined portions of required
keywords are acceptable abbreviations for the keywords.
Abbreviations of variables that cccur in Figure 4.1 are as
follows:

Variable	Abbreviation
identifier	id
record	rec
length	lgth

The <routine-type> entry must be entered in shorthand form and
must contain FD<unit-mnemonic> as one of the copy media. The
<unit-mnemonic> is an alpha character A thru Z indicating the
unit on which the desired flexidisk is located.

The shorthand form uses a combined abbreviation format:

From FLEXIDISK to/from Card: FDACRD or CRDFDA
                    Mag. Tape: FDAMTP or MTPFDA
                    Paper Tape: FDAPPT or PPTFDA
                    Disk: FDADSK or DSKFDA
                    Card 96:   FDAC96 or C96FDA

Here, in the above shorthand specifications, flexidisk unit A
(FDA) contains the desired flexidisk.

The format of <input-file-identifier> (abbr., <input-file-id>) is
the same as that used in MCP control instructions. However,
flexidisk identifiers must be specified as a one name or two name
identifier with the following meaning:

<flexidisk-volume-id>/<file-id>

If the <flexidisk-volume-id> is omitted, the DISKETTE/COPY
program will assume a <flexidisk-volume-id> of IBMIRD or blanks,
(the default names assigned at initialization time).

The <file-number> option (the crdinal number of the
<input-file-identifier>) allows the user to specify which
duplicate file the user wishes to have copied. The number
specifed <legitimate range = 1-19> notifies DISKETTE/COPY to
override the BYPASS option that is set for a duplicate file which
resides on a flexidisk. The duplicate thus specified is used as
the input file for the copy process.

The <input-record-length> (abbr., <input-rec-lgth>) must be the
first numeric entry following the <input-file-identifier> in
bytes. If omitted, a record length of eighty is assumed for all
files except disk files which will use the length specified when
the file was created. The maximum record size permitted on
FLEXIDISK files is 128 bytes.

The <blocking-factor> of the input file must be the second
numeric entry following the <input-file-identifier>. If omitted,
a blocking factor of one is assumed. For a disk file where both
the record length and blocking factor entries are omitted, the
default blocking factor will be used. The maximum blocking
factor permitted on FLEXIDISK is 1.

The format of the <output-file-identifier> (abbr.,
<output-file-id>) is the same as for the <input-file-identifier>.

The first numeric entry following the <output-file-id> must be
the <record-length> of the output file in bytes. If omitted, a
record length of eighty is assumed unless the input file and the
output file are both disk files. Then the default
<output-record-length> (abbr., <output-rec-lgth>) will be assumed
to be the same as the <input-record-length>.

The <blocking-factor> of the output file must be the second
numeric entry following the <output-file-identifier>. If
omitted, a blocking factor of one is assumed.

The number of <blocks-per-area> must be the third numeric entry
following the <output-file-identifier>. This entry is only
applicable to non-FLEXIDISK disk files. If omitted, 100 blocks
per area is assumed.

The <output-areas> is the number of areas requested for the
output file. This entry is only applicable to non-FLEXIDISK disk
files. Default is 25.

The PSEUDO entry may be used in place of the output file spec-
ifications; however, an <output-file-identifier> is still
required. This entry is only applicable to non-FLEXIDISK disk
files. When used, the input file from FLEXIDISK will be copied
as a pseudo deck. The user of this option must insure that the
data file being copied from FLEXIDISK to disk as a pseudo deck
contains syntactically correct B1800/1700 control instructions.
DISKETTE/COPY does not edit control instructions. The record

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

size of the pseudo deck created will be 96 bytes.   Short records
will   be   left   justified,   long records will be truncated on the
right.   The file will be loaded onto system disk, and   will   be
labelled "DECK/<pseudo-deck-number>".

The BYPASS option is set when a duplicate file is being copied to
the   flexidisk.   Note   that   PSEUDC   and   BYPASS   are   mutually
exclusive   functions,   depending   on   the direction of the copy.
PSEUDO only applies to flexidisk files which are being copied   to
system   disk   as   pseudodecks and BYPASS only applies to standard
B1800/B1700 files which are being copied to flexidisk.

MULTIVOLUME FLEXIDISK FILES

Files may be added to an existing FLEXIDISK. However, files will
only be added at the end of a FLEXIDISK, and may require the
creation of a multivolume FLEXIDISK file.

On output, when insufficient space exists to copy the entire
contents of a file onto the requested FLEXIDISK, a multivolume
FLEXIDISK will be created. DISKETTE/COPY will instruct the user
as follows:

    CONTINUATION DISKETTE <volume sequence #> REQUIRED.
    LOAD AND <job-number>AX FD<unit-mnemonic>.

The VOL1 label of the specified FLEXIDISK is inspected (see
VOLUME HEADER REQUIREMENTS) in the same manner as the first
FLEXIDISK with the exception that the <FLEXIDISK-volume-id> need
not match. Volume-sequence-numbers will be assigned
consecutively from 01 to a maximum of 99. This process will
continue until all volumes of the file have been written.

On input, when the multivolume indicator of the input files HDR1
label indicates continuation, another FLEXIDISK will be requested
when the processing of the current FLEXIDISK is complete. The
user will be requested to supply DISKETTE/COPY with the unit-id
on which the next portion of the file is located. The VOL1 and
HDR1 labels are inspected in the same manner as the first
FLEXIDISK with the exception that the <FLEXIDISK-volume-id> need
not match. In addition, if the volume-sequence-number field of
the first HDR1 label was not blank, the field is inspected to
verify that it is one greater than the volume-sequence-number of
the previous volume. If it is not, DISKETTE/COPY will display
the CONTINUATION message as described above and will wait for the
user to direct DISKETTE/ COPY to the unit on which the
CONTINUATION FLEXIDISK is located. If the file being copied is
labeled as a bypass ("B") file on the continuation diskette, a
(<file-number>) must be specified following the <unit-mnemonic>.
This is true even if there is only one file named <input-file-id>
on the continuation diskette. This process will continue until
all volumes of the file have been processed.

KA SPECIFICATIONS

Upon receiving a KA request, DISKETTE/COPY will provide a listing
on the line printer of all files and their characteristics
contained on the requested flexidisk. The KA request is defined
for both card and SPO input (SPO requires an AX):

```
---------------------------- KA FD<unit-mremonic> -------------------->%
                          |
--- <job-number>AX->|
```

PURGE SPECIFICATIONS

The user may request that all flexidisk files contained on a
specified unit be purged. The effect of this request is to
convert a flexidisk containing valid user file information into a
scratch flexidisk. The user may recuest this operation from
cards or the SPO (SPO requires an AX):

```
----------------------- PURGE FD <unit-mneumoric> -------------->%
                          |
-- <job-number>AX-> |
```

RL SPECIFICATIONS

Users may re-label flexidisks through the RL message which writes
a new volume identifier on the flexidisk specified. The syntax
of RL is defined for both cards and the SPO (SPO requires an AX):

```
----------------------- RL FD<unit-mnemonic> --- <label-id> ----->%
                          |
<job-number>AX ----> |
```

LABEL VALUES

This section describes the label declarations required by DISKETTE/COPY. It will provide help in understanding the printout of a disk analysis (KA) on a flexidisk and specifies the absolute label requirements for those writing or modifying header information in a key-to-disk mode of operation.

VOLUME HEADER REQUIREMENTS

DISKETTE/COPY requires the following values in the VOL1 label of a flexidisk in order for the flexidisk to be processed.

```
01 VOLUME.LABEL,
   02 V.LABEL.IDENTIFIER   CHARACTER(4),
   02 V.IDENTIFIER   CHARACTER(6),
   02 V.ACCESSIBILITY   CHARACTER(1),
   02 FILLER   CHARACTER(3),
   02 V.RESERVED   CHARACTER(1),
   02 FILLER   CHARACTER(64),
   02 V.STANDARD.LABEL   CHARACTER(1);
```

V.LABEL.IDENTIFIER   Must contain "VOL1". Identifies the sector as a volume label. Must be located at track 0, sector 7.

V.IDENTIFIER   From one to six alphabetic/numeric characters. The characters must be left-justified with the first character alphabetic. Default is "IBMIRD".

V.ACCESSIBILITY   A blank permits access to the volume.

V.RESERVED   Must be blank.

V.STANDARD.LABEL   Must be "W" to indicate IBM standard label. Only FLEXIDISK with IBM standard labels will be processed.

   Note: Errors on the VOLUME.LABEL will make the entire FLEXIDISK inaccessible to the user.

FILE HEADER REQUIREMENTS

DISKETTE/COPY requires that FLEXIDISK files to be processed contain valid, industry-compatible header labels defined as follows.

```
01 HEADER.LABEL,
   02 H.LABEL.IDENTIFIER   CHARACTER(4),
   02 FILLER   CHARACTER(1),
   02 H.DATA.SET.IDENTIFIER   CHARACTER(8),
   02 FILLER   CHARACTER(9),
   02 H.BLOCK.LENGTH   CHARACTER(5),
   02 FILLER   CHARACTER(1),
   02 H.BEGINNING.OF.EXTENT   CHARACTER(5),
   02 FILLER   CHARACTER(1),
   02 H.END.OF.EXTENT   CHARACTER(5),
   02 FILLER   CHARACTER(1),
   02 H.BYPASS   CHARACTER(1),
   02 FILLER   CHARACTER(1),
   02 H.WRITE.PROTECT   CHARACTER(1),
   02 H.INTERCHANGE.TYPE   CHARACTER(1),
   02 H.MULTI.VOLUME   CHARACTER(1),
   02 H.VOLUME.SEQ.NO   CHARACTER(2),
   02 H.CREATION.DATE   CHARACTER(6),
   02 FILLER   CHARACTER(13),
   02 H.EXPIRATION.DATE   CHARACTER(6),
   02 FILLER   CHARACTER(2),
   02 H.END.OF.DATA   CHARACTER(5),
   02 H.LABEL.CONTINUATION   CHARACTER(1);
```

H.LABEL.IDENTIFIER — Must contain "HDR1". Identifies the sector as a file label.

H.DATA.SET.IDENTIFIER — User-assigned file name which consists of one-to-eight alpha-numeric characters. The first character must be alphabetic. The name must be left-justified, with no embedded blanks.

H.BLOCK.LENGTH — Decimal characters indicating the length of the data recorded in each of the 128 byte sectors of the file. Must be greater than 0 and less than or equal to 128.

H.BEGINNING.OF.EXTENT — Identifies the address of the first sector of the file. (TTOSS - TT = track, O, SS = sector) where TT is greater than or equal to 1, TT is less than or equal to 73, SS is greater than or equal to 1, SS is less than or equal to 26. H.BOE < H.EOE and H.BOE < H.EOD.

H.END.OF.EXTENT   Identifies the address of the last sector
                          reserved for the data set.   (TTOSS) where
                          TT and SS are within the boundaries as
                          described for H.BOE.   H.EOE > H.BOE and
                          H.EOE   is   greater   than or equal to
                          H.EOD - 1.

H.BYPASS   A blank indicates that the file may be
                          processed and is visable to DISKETTE/COPY.
                          A "B" entry irdicates that users cannot
                          process the file even though it resides on
                          the flexidisk. However, when using the
                          duplicate file number specification in the
                          COPY request, DISKETTE/COPY ignores the
                          bypass indicator enabling bypass file
                          accessibility.

H.WRITE.PROTECT   A blank indicates no write protection.   A
                          "P" protects   the   file   from   being
                          overwritten. DISKETTE/COPY writes only
                          non-protected files.

H.INTERCHANGE.TYPE   Must be blank.

H.MULTI.VOLUME   A blank indicates the data set is complete
                          on this volume. "C" indicates the file is
                          continued   or   another   volume.   "L"
                          indicates   the   last   volume   of   a
                          multi-volume   file.   This field must
                          contain blank, "C", or "L".

H.VOLUME.SEQ.NO   Indicates the sequence of volumes in a
                          multi-volume file.   A blank on the first
                          volume indicates no sequence checking is
                          to be performed. Sequence numbers must be
                          consecutive, and in the range of 01 to a
                          maximum of 99.

H.CREATION.DATE   Contains the date (YYMMDD) on which the
                          file and its label was created.   YY is the
                          year, MM is the month, and DD is the day.

H.EXPIRATION.DATE   May be used to contain the date the data
                          set and its labels may be purged (YYMMDD).
                          DISKETTE/COPY will assign a value of
                          H.CREATION.DATE + 7 days.

INDEX

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

57.   MINIMUM DISK-DISKETTE RECORD SIZE IS 1
58.   0 IS AN INVALID FILE-NUMBER--FILE-NUMBERS ARE 1 RELATIVE
59.   MAXIMUM DISK RECORD SIZE IS 65535
60.   MAXIMUM BLOCK SIZE EXCEEDED (1048575)
61.   BLOCKS PER AREA CANNOT BE SET LESS THAN 1
62.   COPY WILL REPLACE LAST FILE <file-id>
      IF OK PLEASE <MIX>AX YES
63.   INCOMPLETE PURGE PERFORMED
64.   UNABLE TO RELABEL <unit-id>
65.   SECTOR <sector #> OF TRACK <track #> HAS BEEN DELETED
      DUE TO DATA COMPARE ERRORS
66.   UNABLE TO COPY PSR FILES DUE TO MORE THAN 1
      MULTI-DISKETTE PSR FILE; EXISTING ON UNIT <unit-id>

      Note: Error recovery under the condition described by
              Message 46 is done by entering a null accept message
              (<job-number> AX) That response allows the input
              specifications to be entered again, without having to
              DS the program.

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

25. INVALID BEGINNING OF EXTENT ON
    <unit-id> <the invalid H.BOE>
26. INVALID END OF DATA ON
    <unit-id> <the invalid H.END_OF_DATA>
27. BEGINNING OF EXTENT <the H.BOE> EXCEEDS END OF DATA
    <the H.END_OF_DATA> ON <unit-id>
28. END OF DATA <the H.END_OF_DATA> EXCEEDS END OF EXTENT
    <the H.EOE> ON <unit-id>
29. INVALID HARDWARE TYPE FOR PSEUDO DECK
30. PSEUDO TYPE PERMITTED ON OUTPUT DISK FILE ONLY
31. MAXIMUM DISKETTE RECORD SIZE(128) EXCEEDED
32. WARNING: DISKETTE DEFAULTS ON OUTPUT ARE RECORD SIZE OF 128
    CHARACTERS BLOCKED 1
33. WARNING: INVALID HEADER ON <unit-id>
34. UNABLE TO READ VOLUME LABEL ON <unit-id>
35. UNABLE TO READ HEADER IN SECTOR
    <sector #> OF <unit-id>
36. UNABLE TO WRITE ENDING HEADER IN SECTOR
    <sector #> OF <unit-id>
37. DUPLICATE FILE <filename> FOUND ON UNIT
    <unit-id> -- NO COPY PERFORMED
38. NO FILE <filename> FOUND ON FLEXIDISK <volume-id>
39. OVERLAPPING HEADER (BOE/EOE boundaries> ON
    FLEXIDISK LABELLED <volume-id>
40. INVALID FLEXIDISK V.LABEL_IDENTIFIER <invalid parameter>
41. FLEXIDISK VOLUME IDENTIFIER <vol-id> DOES NOT MATCH
    REQUESTED VOLUME IDENTIFIER <requested vol-id>
42. VOLUME ACCESSIBILITY ON <unit-id> IS PROHIBITED
43. VOLUME LABEL ON <unit-id> IS NOT STANDARD
44. VOLUME SEQUENCE NUMBER MISMATCH
    FOUND <sequence #> LOOKING FOR <sequence #>
45. SPECIFIED FILE <filename> IS NOT A MULTI-VOLUME FILE
46. NO SPACE AVAILABLE ON <unit-id> FOR FILE LABELED <file-id>
47. NO DIRECTORY SPACE AVAILABLE FOR FILE <file-id>
    ON UNIT <unit-id>
48. INVALID FD SPECIFICATION <invalid parameter>
    ON KA/PURGE REQUEST
49. MISSING FD SPECIFICATION ON KA/PURGE REQUEST
50. NO FLEXIDISK ON UNIT <unit-id>
51. UNABLE TO WRITE VOLUME LABEL ON <unit-id>
52. MISSING RIGHT PAREN IN DUPLICATE FILE SPECIFICATION
53. DUPLICATE FILE NUMBER REQUESTED NOT FOUND ON UNIT <unit-id>
54. MISSING ENDING QUOTE FROM FILE IDENTIFIER SPECIFICATION
55. NO FILE LABELED <file-id> FOUND - NO COPY PERFORMED
56. SOFT I/O COMPARE ERROR ON <unit-id>
    (TRACK= <track #> SECTOR= <sector #>)   SECTOR BYPASSED

The error messages emitted by DISKETTE/COPY are as follows:

1. MISSING INPUT FILE IDENTIFIER FROM SPECIFICATIONS
2. MISSING OUTPUT FILE IDENTIFIER FROM SPECIFICATIONS
3. DISKETTE <vol-id> FOR FILE LABELED <file-id> NOT FOUND
   LOAD AND <MIX>AX FD<unit mnemonic>
4. NO SCRATCH DISKETTE FOUND
   LOAD AND <MIX>AX FD<unit-mnemonic>
5. <unit-id> NOT A VALID FLEXIDISK UNIT
6. INSUFFICIENT CARD SPECIFICATIONS
7. MISSING INPUT FILES SPECIFICATIONS
8. INVALID COPY FILE HARDWARE TYPE <hardware-type>
9. FLEXIDISK MUST BE SPECIFIED AS ONE OF THE COPY MEDIAS
10. INVALID FILE NAME
11. INVALID PARAMETER
12. MISSING COPY STATEMENT
13. MISSING FILE SPECIFICATION
14. MEMORY PARITY ERROR ON DISKETTE I/O
15. UNEXPECTED NOT READY CONDITION ON <unit_id>
16. SECTOR SEARCH ERROR ON <unit-id>
    (TRACK= <track #>   SECTOR= <sector #>)   SECTOR BYPASSED
17. TIME OUT ON <unit-id>
18. DATA PARITY ERROR ON <unit-id>
    (TRACK= <track #>   SECTOR= <sector #>)   SECTOR BYPASSED
19. TRACK SEEK ERROR ON <unit-id>
20. UNCORRECTABLE WRITE FAULT ON <unit-id>
21. ADDRESS PARITY ERROR ON <unit-id>
    (TRACK= <track #>   SECTOR= <sector #>)   SECTOR BYPASSED
22. UNDIAGNOSED ERROR ON <unit-id>
23. YOUR SUPPLIED RECORD SIZE DOES NOT MATCH LABEL RECORD SIZE
24. DISKETTE BLOCKING FACTOR MUST BE 1

BURROUGHS CORPORATION
COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
DISKETTE/COPY
P.S. 2219 0219 (D)

ERROR MESSAGES

Error message information is provided by DISKETTE/COPY. In
nearly all cases, the messages as described below are
irrecoverable. After displaying the reason for termination of a
copy request, DISKETTE/COPY will back itself out of the current
request and prepare itself for a new user copy request. The user
can expect correspondence as follows:

```
DISKETTE/COPY =<job-number><syntax message>
DISKETTE/COPY =<job-number>THE FOLLOWING REQUEST
                           WAS NOT PERFORMED
DISKETTE/COPY =<job-number><users copy request in error>
DISKETTE/COPY =<job-number>PLEASE PROVIDE COPY PARAMETERS
DISKETTE/COPY =<job-number>ACCEPT
```

If the copy instructions are coming from cards, the next request
will be processed (i.e. the display to provide copy parameters
will not be emitted).

In some situations DISKETTE/COPY will be unable to read a sector
from the FLEXIDISK due to a data parity error, address parity
error, or sector search error. In these situations DISKETTE/COPY
will display the appropriate error message (message 13, 15, or
18) and continue the current copy request by bypassing the sector
in error. This will enable the user to obtain as much of the
file as possible while being informed that the copy is
incomplete.

H.END.OF.DATA   Identifies the address of the next unused sector of the file. (TTOSS) where H.EOD > H.BOE and H.EOD is less than or equal to H.EOE + 1.

H.LABEL.CONTINUATION   Must be blank.

Note: Errors on a HDR1 label will make only the file associated with the invalid header inaccessible.