



DEPENDING ON PARMLENGTH.

SECTION B  
PRESSING OF OPTION STATEMENTS;  
INITIALIZATION OF VARIABLES AND TABLES.  
(NOTE: FIRST CARD IN SOURCE WAS EJECT (PAGE) 00000100 00165700  
00165800  
00165900  
00166000  
00166100  
00166200  
00166300  
00166400  
00166500  
00166600  
00166700  
00166800  
00166900  
00167000  
00167100  
00167200  
00167300  
00167400  
00167500  
00167600  
00167700  
00167800  
00167900  
00168000  
00168100  
00168200  
00168300  
00168400  
00168500  
00168600  
00168700  
00168800  
00168900  
00169000  
00169100  
00169200  
00169300  
00169400  
00169500  
00169600  
00169700  
00169800  
00169900  
00170000

PROGRAM ORGANIZATION NOTE: IN GENERAL, A PERFORMED PROCEDURE  
IS FOUND LATER ON IN THE PROGRAM THAN ALL PROCEDURES  
THAT CALL IT. (EXCEPT FOR PROCEDURES CALLED BY RPROCEDURE E0J

NOTE: \*T\* IN COLUMN 1 IDENTIFIES STATEMENTS FOR  
DIAGNOSTIC VERSION. THESE STATEMENTS ARE REMOVED  
BY PROGRAM PRSTRP TO CREATE A (FASTER) PRODUCTION VERSION.

PROCEDURE DIVISION USING PARMFIELD.  
BEGIN MOVE 1 TO TIMECON  
DISPLAY BIBLIOGRAPHIC/MARC PROCESSING SYSTEM.  
DISPLAY PRINT PROGRAM.  
DISPLAY SOURCE-VERSION  
DISPLAY -D  
DISPLAY . . . USING DUMPPT.  
CALL LOW-VALUES TO TIME-TABLE DIAG-TABLE.  
OPEN INPUT PARMFIL.  
MOVE LOW-VALUES TO PARMWORK.  
MOVE 1 TO X1.  
INTBACK READ 1 PARMFIL INTO PARM-RECORD (X1) AT END GO TO INITNEXT.  
IF X1 < 8 ADD 1 TO X1 GO TO INITBACK.  
INITNEXT CLOSE PARMFIL  
MOVE INPUT OF CARD MARKS TO DATEGRP.  
OPEN CURRENT-DATE TO TIMEGRP.  
MOVE TIME-OF-DAY TO TIMEHRS . . . TIMEMIN . . . TIMESEC.  
DISPLAY DATEGRP . . . TIMEHRS . . . TIMEMIN . . . TIMESEC.  
DISP 0 TO HEX BINWORK SN 2 N1 N2 N3 N4.  
MOVE ZERO TO SIXWORKS.  
MOVE SPACE TO BLANKS.  
MOVE LOW-VALUES TO BUTLIDAREA.  
MOVE SPACES TO BUTLIDAREA.  
MOVE SPACES TO PRINT1.  
MOVE SPACE TO SYMBOLIC-PARARS.

T  
A

MOVE SPACE TO CREDITABLES.  
 MOVE SPACE TO DEFUALT-TABLE.  
 MOVE LOW-VALUES TO RETURN-CODE-TABLE.  
 CALL CLOCKS; USING CPU-TIME.  
 MOVE 999999999 TO MARCINLIM.  
 MOVE 2 TO W1HEX.  
 MOVE W1 TO RIGHTJUSTCON.

\*  
 \* PROCESS PARM FIELD OF THE EXEC STATEMENT.  
 \* IF PARM NO TO SPACE.  
 \* MOVE PARM TO STRING1.

PARMBK2.  
 IF SWX1 = SPACE GO TO PARMBYP8.  
 IF STRING1 = 1-5 INDEX STRING2 TO PARMBK2.  
 IF STRING1 = 6-8 TO PARMBK2.  
 IF STRING1 = 9-11 TO PARMBK2.  
 IF STRING1 = 12-14 TO PARMBK2.  
 IF STRING1 = 15-17 TO PARMBK2.  
 IF STRING1 = 18-20 TO PARMBK2.  
 IF STRING1 = 21-23 TO PARMBK2.  
 IF STRING1 = 24-26 TO PARMBK2.  
 IF STRING1 = 27-29 TO PARMBK2.  
 IF STRING1 = 30-32 TO PARMBK2.  
 IF SWX9 = 1 TO LINES-PER-INCH.  
 ELSE MOVE 8 TO LINES-PER-INCH.  
 MOVE SWX11 = STRING3 TO PRINT-TRAIN  
 GO TO PARMBK2.  
 PARMBYP6 . . 1 . TO RC (12) .  
 MOVE TO PARMBK2 .  
 DISPLAY . INVALID PARM . STRING1 .  
 PARMBYP8 .

NEXT-REPORT . . .  
 DISPLAY . . .  
 IF LINECTR NOT = 1  
 WRITE PRECORD FROM PRINT1 AFTER ADVANCING TOPPAGE.  
 NEXTREPBK2 .  
 IF FEORSM > 0 AND MEFSM = 0 AND MREPORPTNO = HREPORPTNO  
 PERFORM MARC READ THRU MARCRDXT GO TO NEXTREPBK2.  
 IF ENDCARDSW > 9 MOVE SPACE TO SYMBOLIC-PARAMS.  
 MOVE LOW-VALUES TO INDEXES-COMP-WORK  
 MOVE LOW-VALUES TO OVERUNDR-TABLE  
 MOVE LOW-VALUES TO LINE-DIRECTORY-TABLE  
 MOVE LOW-VALUES TO WINDIR.  
 MOVE LOW-VALUES TO

00 17 0 1 C C  
 00 17 0 2 C C  
 00 17 0 3 C C  
 00 17 0 4 C C  
 00 17 0 5 C C  
 00 17 0 6 C C  
 00 17 0 7 C C  
 00 17 0 8 C C  
 00 17 0 9 C C  
 00 17 1 0 C C  
 00 17 1 1 C C  
 00 17 1 2 C C  
 00 17 1 3 C C  
 00 17 1 4 C C  
 00 17 1 5 C C  
 00 17 1 6 C C  
 00 17 1 7 C C  
 00 17 1 8 C C  
 00 17 1 9 C C  
 00 17 2 0 C C  
 00 17 2 1 C C  
 00 17 2 2 C C  
 00 17 2 3 C C  
 00 17 2 4 C C  
 00 17 2 5 C C  
 00 17 2 6 C C  
 00 17 2 7 C C  
 00 17 2 8 C C  
 00 17 2 9 C C  
 00 17 3 0 C C  
 00 17 3 1 C C  
 00 17 3 2 C C  
 00 17 3 3 C C  
 00 17 3 4 C C  
 00 17 3 5 C C  
 00 17 3 6 C C  
 00 17 3 7 C C  
 00 17 3 8 C C  
 00 17 3 9 C C  
 00 17 4 0 C C  
 00 17 4 1 C C  
 00 17 4 2 C C  
 00 17 4 3 C C  
 00 17 4 4 C C  
 00 17 4 5 C C  
 00 17 4 6 C C  
 00 17 4 7 C C  
 00 17 4 8 C C  
 00 17 4 9 C C  
 00 17 5 0 C C



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GO TO CARD-PROC.
CARDBYP:
IF CRDEOFSW = 1 GO TO CARBD2.
READ OPCARD INTO CARDWORK
ATEND MOVE 1 TO CRDEOFSW CLOSE OPCARD
DISPLAY *END OF OPTION STATEMENTS*
GO TO CARBD2.

CARD-PROC:
MOVE CARDWORK TO STRING1 *END * TO STRING1-4 CARDWORK.
IF STRING1-10 = INDEX-RUN *END * TO CARDBYP2.
IF (INDEX-RUN-SW = 0) AND (INDEX-CARDS-SW > 0)
IF STRING1-4 = END * MOVE 0 TO INDEX-CARDS-SW
ELSE GO TO CARBD1 *OPCARD OR SYMBOLIC-PARAM-OPCARD
OR (OPTION-CARD-HOLD-SW > 0)
IF CCOLS1-6 = INDEX * OR * INDIC.
ADD 1 TO INDEX * AND INDEX-CARDS-SW = 0
IF INDEX-RUN-SW > 0 AND INDEX-CARDS-SW = 0
GO TO CARBD1.

CARDBYP2:
TO OPTCARDCT * (NOT END-OPCARD)
ADD 1 DCARDSW *
IF END-CARDSW > 0 AND HELD-CARDSW TO CARBD2 *
MOVE 1 TO HELD-CARDSW GO TO CARBD2 *
IF OPTCARDCT < 999 * MOVE OPTCARDCT TO OPTCARDNUM.
DISPLAY *EDIT CARDS-SW = * * AND CCODE NOT = *H*)
OR (CCODE = *D * AND DEFPTSWS > 0) * -- * CARDWORK *
DISPLAY *OPTION STMT * OPTCARDNUM * * * * *
IF CDESEGNUM *MERIC MOVE BLANKS TO CDESEGNUM STRING73-8.
IF SELECTIND = *S *
IF CARDWORK = * * * * * MOVE SPACE TO SELECTIND
ELSE GO TO CARBD1
IF SEARCH-TITLE-OPCARD MOVE *S * TO SELECTIND
GO TO CARBD1.
IF OPTCARD-HOLD-OPCARD WILL BE AVAILABLE FOR ALL SUBSEQUEN
DISPLAY *THESE CARDS 1 TO OPTION-CARD-HOLD-SW
*REPORTS: * HOLD MOVE 1 TO OPTION-CARD-CT GO TO CARBD1
IF ERASE-OPHOLD SET IHOPC TO 1
ELSE SET IHOPC BY 1 GO TO CARBD1.
IF OPTION-CARD-HOLD-SW = 0 GO TO CARBD1C.
IF END-OPCARD * GO TO CARBD1 ELSE
DISPLAY *

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00180100
00180200
00180300
00180400
00180500
00180600
00180700
00180800
00180900
00181000
00181100
00181200
00181300
00181400
00181500
00181600
00181700
00181800
00181900
00182000
00182100
00182200
00182300
00182400
00182500
00182600
00182700
00182800
00182900
00183000
00183100
00183200
00183300
00183400
00183500
00183600
00183700
00183800
00183900
00184000
00184100
00184200
00184300
00184400
00184500
00184600
00184700
00184800
00184900
00185000

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IF CALLHOLD-OPCARD DISPLAY CALLHOLD OPTION CARD
IF ILLEGAL IN-STREAK OPTION CARD HOLD
ADD 1 TO CARNDERICT GO TO CARD1 ELSE
IF HELD-OP-TION-CARD-CT NOT < 10
DISPLAY ONLY 10 HELD-OPTION-CARDS ARE PERMITTED
-- LAST ONE WILL BE IGNORED
GO TO CARD1
ELSE MOVE CARNDERICT TO HOPCARD (IHOPC) SET IHOPC UP BY 1
ADD 1 TO HELD-OPTION-CARD-CT
GO TO CARD1
00185100
00185200
00185300
00185400
00185500
00185600
00185700
00185800
00185900
00186000
00186100
00186200
00186300
00186400
00186500
00186600
00186700
00186800
00186900
00187000
00187100
00187200
00187300
00187400
00187500
00187600
00187700
00187800
00187900
00188000
00188100
00188200
00188300
00188400
00188500
00188600
00188700
00188800
00188900
00189000
00189100
00189200
00189300
00189400
00189500
00189600
00189700
00189800
00189900
00190000

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\* CARD1C

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REPORT-OPCARD = 0) OR OVERRIDE-OPCARD ADD 1 TO CRCOUNT
IF (CRCOUNT = 0) OR OVERRIDE-OPCARD ADD 1 TO CRCOUNT
MOVE 1 TO CITSET-CODE GO TO OP-CARD
ELSE DISPLAY SECOND REPORT CARD READ BEFORE END CARD
DISPLAY END CARD WILL BE GENERATED
MOVE 1 TO HELDRCARDSW MOVE CARNDERICT TO CARDHOLD
GO TO CARD2
FORMAT-OPCARD MOVE 1 TO TEST-CARD
CALLHOLD-OPCARD GO TO CARD1
SPECIAL-RUN-OPCARD GO TO TEST-CARD
SCANS1-6 = DEFINE-CARD
CCOLST1-6 = DEFINE-CARD
TEST FOR DEFAULT CALL
NOTE: DEFAULT FILE-OPCARD GO TO DEFAULT CARD
IF ENDBOLIM GO TO END-CARD
IF SYMSEQ = 1 TO SYMBOLIC-PARAM-CARD
IF NOIF (CSERIES = TSERIES) AND (TSERIES NOT = SPACE)
MOVE 1 TO CSERIES
ELSE MOVE 1 TO TSERIES
COMPUTE N2 = LASTOPSEQ + 1
MOVE N2 TO CSERIES
MOVE N2 TO TSERIES
IF PAGE-HEADING-OPCARD MOVE 1 TO REPORT-TITLE-SW
MOVE CTYPE TO PTYPF CSEQSFY TO CITSET-CODE
IF REPORT-TITLE-CARD MOVE 1 TO REPORT-TITLE-SW
GO TO OP-CARD
IF LINE-PARA-OPCARD ADD 1 TO CJCOUNT GO TO LINE-TAG-CARD
IF TAGDATA-OPCARD ADD 1 TO CJCOUNT GO TO LINE-TAG-CARD
GO TO CARD1
00188000
00188100
00188200
00188300
00188400
00188500
00188600
00188700
00188800
00188900
00189000
00189100
00189200
00189300
00189400
00189500
00189600
00189700
00189800
00189900
00190000

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\* LINE-TAG-CARD

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IF CSERIES = SPACE DISPLAY . . . DISPLAY . . . SEQUENCE NUMBER ON AB
MOVE CARD OMITTED . . . OPTION CARD SEQ NOS WILL BE
ASSIGNED DISPLAY . . . MOVE 1 TO NOSEQSW
COMPUTE N2 = LASTOPSEQ + 1
MOVE N2 TO CSERIES
00189000
00189100
00189200
00189300
00189400
00189500
00189600
00189700
00189800
00189900
00190000

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IF CSERIES NUMERIC MOVE CSERIES TO N2 MOVE N2 TO LASTOPSEQ.
MOVE CTYPE TO CTYPESET.
MOVE HFORMAT TO CFORMAT.
OP-CARD.
TRANSFORM CSEGSFX FROM TAB2 TO TAB1.
SET ITCR1 TO ITCR2.
IF OVERRIDE-OPCARD MOVE SN1 TO N1 MOVE R. TO CCODE
IF SN1 IF CSERIES1X TO CSERIES2X
ELSE MOVE CSERIES1X TO CSERIES2X
IF REPORT-OPCARD MOVE SPACE TO CSEQ1.
ELSE MOVE CSERIES TO CSEQ1.
LTCARDBK1.
IF CSEFNO < TOPSEFNO (ITOP1) SET ITCR1 DOWN BY 1
GO TO LTCARDBK1.
*
IF CCODE NOT = R.
IF PARTIAL-REPLACEMENT
DISPLAY . . . WARNING: PARTIAL REPLACEMENT NOT OVERRIDE.
MOVE .1. TO RC (4) MOVE R. TO CCODE
ELSE GO TO OPCARDBY7.
IF CSEFNO = TOPSEFNO (ITOP1)
IF CCODE = R.
**WARNING: OVERRIDDEN OPTION CARD NOT FOUND.
DISPLAY .1. TO RC (4) TRANSFORM CTYPE FROM TAB2 TO TAB1
GO TO OPCARDBY7.
ELSE GO TO OPCARDBY7.
IF REPORT-OPCARD AND (CDATA = SPACE)
MOVE CSERIES TO TOPSERIES (ITOP1) GO TO CARD1.
MOVE 99 TO COMCNT.
COMMONAREA.
DELETE-OPCARD TO MOVE. DELETED: TO DISP-MESSAGE
IF DELETE-OPCARD (ITOP1) TO CARDNOR DISPLAY-EDITCARD-XT
MOVE OPTABLE (ITOP1) TO CARDNOR DISPLAY-EDITCARD-XT
MOVE COMMONAREA TO OPTABLE (ITOP1)
GO TO CARD1.
IF PARTIAL-REPLACEMENT NEXT SENTENCE ELSE
MOVE OPTABLE (ITOP1) TO CARDNOR
PERFORM DISPLAY-EDITCARD THRU DISPLAY-EDITCARD-XT
MOVE COMMONAREA TO OPTABLE (ITOP1) GO TO CARD1.
MOVE OPTABLE (ITOP1) TO DISP-MESSAGE
PERFORM DISPLAY-EDITCARD THRU DISPLAY-EDITCARD-XT.
*
MOVE 2 TO X9.
OPCARDBK4.
00190100
00190200
00190300
00190400
00190500
00190600
00190700
00190800
00190900
00191000
00191100
00191200
00191300
00191400
00191500
00191600
00191700
00191800
00191900
00192000
00192100
00192200
00192300
00192400
00192500
00192600
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00192800
00192900
00193000
00193100
00193200
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00193400
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00193600
00193700
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00194000
00194100
00194200
00194300
00194400
00194500
00194600
00194700
00194800
00194900
00195000

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IF COMX (X9) = SPACE GO TO OPCARDBYP5. TO CWX (X9)
IF COMX (X9) = BLANK-SYMBOL MOVE SPACE TO CWX (X9)
GO TO OPCARDBYP5.
MOVE COMX (X9) TO CWX (X9).
OPCARDBYP5 < 80 ADD 1 TO X9 GO TO OPCARDBK4.
MOVE CARDWCRK TO OPTABLE (ITOP1).
GO TO CARD1.

*
OPCARDBYP7.
ADD OPTION STMT TO TABLE. ITOP1 POINTS TO LOCATION
FOR INSERTION. SE-ITOP2 POINTS TO LAST STMT IN TABLE.
IF DUAL-PORTION < OPTABLE-CAPACITY
IF ITOP2 NOT < OPTABLE-CAPACITY
DISP2 NOT < OPTABLE-CAPACITY
GO TO EOCJ.
GO TO ITOP2. UP BY 1.
SET ITOP1 TO PCOUNT.
ADD 1 TO ITOP2.
SET ITOP TO ITOP2.
ITCARDBK2.
IF ITOP > ITOP1 MOVE OPTABLE (ITOP - 1) TO OPTABLE (ITOP)
MOVE CARDWCRK TO OPTABLE (ITOP).
GO TO CARD1.

*
TEST-CARD.
IF DISPLAY-SEQUENCE. DISPLAY.
IF IGNORRE-SEQUENCE. DISPLAY.
IF DIAGNOSTIC-RUN AND DIAGNOSTIC-RUN-SW. MOVE 1 TO DISPLAY-EDITCARD-SW.
IF TIMING-1-RUN TO DISPLAY AND TIMING-1-RUN-SW. MOVE 1 TO TIMING-RUN-SW
IF FIRSTACNO NOT = SPACES MOVE (FIRSTACNO TO FIRSTACNO.
CFIRSTACNO NOT = SPACES) AND TEST CARD CHANGED TO 50.
IF CLASSIFY TO FAULCIN.
DISP5 TO MARCHIN.
MOVE 1 TO RESTART.
IF CTRIP NUMERIC MOVE 1 TO RESTART-SW DISPLAY. RESTART RUN.
IF RESTART-RESTART.
GO TO RESTART.

*
IF TESTOPT NOT = SPACE MOVE TESTOPT TO TESTOPT.
IF CDUNPOP NOT = SPACE MOVE CDUNPOP TO CDUNPOP.
IF CREPORTLIM NUMERIC GO TO TEST-CARD-BYP.
IF CHAXPAGES SPACE MOVE CHAXPAGES TO CHAXPAGES.
IF CDEBDG TESTS.
ADD 1 TO TESTS.

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00 195100
00 195200
00 195300
00 195400
00 195500
00 195600
00 195700
00 195800
00 195900
00 196000
00 196100
00 196200
00 196300
00 196400
00 196500
00 196600
00 196700
00 196800
00 196900
00 197000
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00 197300
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00 198300
00 198400
00 198500
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00 198700
00 198800
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00 199100
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00 199300
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00 199700
00 199800
00 199900
00 200000

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0022101000
0022102000
0022103000
0022104000
0022105000
0022106000
0022107000
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0022148000
0022149000
0022150000

DISPLAY *NO ROOM FOR ADDITIONAL SYMBOLIC PARAMETER*.
GO TO SYMPARERR. *SYMPARERR* NOT SYMBOLIC PARAMETER VALUE.
NEW OR REPLACE *VALUE* AND STORE IN TABLE ENTRY.
LOCATE *VALUE* AND STORE IN TABLE ENTRY.
SYMPARBY5 *STRINGVAR TO SYMNAME (ISYM)*.
MOVE ISW1 UP BY 2.
SET ISW1 UP BY 2.
SYMPARBY5 * (ISW1) = QUOTE GO TO SYMPARBY6.
IF SWX (ISW1) *NOT SPACE MISSING APOSTROPHE(S) IN:*.
IF SWX (ISW1) * **WARNING MESSAGE CARDWORK
DISPLAY * (4)
MOVE * (4) TO RC (4)
GO TO SYMPARBY7.
IF ISW1 < 80 SET ISW1 PREVIOUS SYMBOL SINT FROM TABLE.
IF NO BLANKS TO DELETE SYMCARD (ISYM).
MOVE TO SYMPARBY9.
GO TO SYMPARBY6.
SYMPARBY6 * SW1 UP BY 1.
SYMPARBY7 * SW2 TO 1.
SYMPARBY8 * APOSTROPHE IS APOSTROPHE; SINGLE APOST ENDS VALUE.
SYMPARBY9 * (ISW1) = QUOTE
IF SWX (ISW1) * **WARNING MESSAGE CARDWORK
MOVE ISW1 UP BY 1
SET ISW1 + 1 = QUOTE
IF SWX (ISW1) * **WARNING MESSAGE CARDWORK
MOVE ISW1 UP BY 1
SET ISW1 + 1 = QUOTE
IF ISW1 < 80 SET ISW1 ISW2 UP BY 1 GO TO SYMPARBY6.
SYMPARBY8 * TO ISW2.
SYMPARBY9 * TO SYMVALUE (ISYM)*.
GO TO CARD1.
*
SYMPARERR *FORM EDITCARDERR THRU EDITCARDERRXT*.
PERFORM CARD1.
GO TO CARD1.
*
DEFAULT-CARD *STRING2 TO CLABEL*.
MOVE STRING1 TO CLABEL.
IF DEFSTR = 1 *LIBRARY CALL ILLEGAL IN LIBRARY MEMBER*.
DISPLAY *CARDERRCT GO TO CARD1*.
ADD 1 TO DEFAULTFILE.
OPEN INPUT = SPACE GO TO DEFAULTCARDBYF.
DEFAULTCARD *DEFAULTFILE*.
IF CLABEL = SPACE GO TO DEFAULTCARDBYF.
DEFAULTCARD *DEFAULTFILE*.
AT END DISPLAY *MEMBER NOT FOUND IN LIBRARY*.

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