

	16	FILLER	PICTURE X.	00160100
	12	BUILDLITCARDDEL	PICTURE X.	00160200
	12	FILLER	PICTURE X.	00160300
	12	BUILDLITSRTHDRCONTCN	PICTURE X(9).	00160400
	12	BUILDLITSRTHDRCONTCNDEL	PICTURE X.	00160500
	12	FILLER	PICTURE X(219).	00160600
	12	BUILDLITERALS-END	PICTURE X.	00160700
	08	BUILDAREA-PROPER	PICTURE X(8700).	00160800
01	BUILDAREA	REDEFINES BUILDDISP.		00160900
	08	BX	PICTURE X OCCURS 9000 TIMES	00161000
			INDEXED BY IB IB1 IB2.	00161100
01	CARD-TABLE-WORK	REDEFINES BUILDDISP.		00161200
	08	OPTABLEWORK	OCCURS 100 TIMES	00161300
			INDEXED BY IWOP IWOP1 IWOP2.	00161400
	12	FILLER	PICTURE X(84).	00161500
	12	WOPSEQNO	PICTURE X(5).	00161600
	12	FILLER	PICTURE X.	00161700
				00161800
				00161900
01	FILLER	PICTURE X(8)	VALUE 'CARDTABL'.	00162000
01	CARDTABLES.			00162100
	02	CARDHOLD	PICTURE X(80).	00162200
	02	OPTION-CARD-HOLD.		00162300
	08	HOPCARD	PICTURE X(80) OCCURS 10 TIMES	00162400
			INDEXED BY IHOPC.	00162500
				00162600
	02	OPTION-CARD-TABLE.		00162700
	04	OPTABLE	OCCURS 100 TIMES	00162800
			INDEXED BY ITOP ITOP1 ITOP2.	00162900
	08	TOPSERTYPE.		00163000
	12	TOPTYPE	PIC X.	00163100
	12	TOPSERIES	PIC X(2).	00163200
	08	TOPDATATYPE	PICTURE X.	00163300
	08	TOPTAG	PICTURE X(3).	00163400
	08	FILLER	PIC X.	00163500
	08	TOPLINESKIP1X.		00163600
	12	TOPLINESKIP1	PIC 9.	00163700
	12	TOPLINESKIP2	PIC 9.	00163800
	08	FILLER	PIC X(70).	00163900
	08	FILLER		00164000
	08	TOPSEQNO	PICTURE X(4).	00164100
	08	TOPCODE	PICTURE X(5).	00164200
	08	FILLER	PICTURE X.	00164300
01	FILLER	PICTURE X(8)	VALUE 'END-WORK'.	00164400
				00164500
				00164600
				00164700
				00164800
				00164900
				00165000
				00165100
				00165200
				00165300
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				00179900
				00180000

LINKAGE SECTION.

01	PARMFIELD.		
	08	PARMLENGTH	PIC 9(4) COMP.
	08	PARM.	
	12	PARMX	PIC X OCCURS 100 TIMES



	DEPENDING ON PARMLENGTH.	00165100
*	EJECT	00165200
*	SECTION B	00165300
*	PREPROCESSING OF OPTION STATEMENTS;	00165400
*	INITIALIZATION OF VARIABLES AND TABLES.	00165500
*	(NOTE: FIRST CARD IN SOURCE WAS EJECT (PAGE) 00000100	00165600
*		00165700
*		00165800
*	PROGRAM ORGANIZATION NOTE: IN GENERAL, A PERFORMED PROCEDURE	00165900
*	IS FOUND LATER ON IN THE PROGRAM THAN ALL PROCEDURES	00166000
*	THAT CALL IT. (EXCEPT FOR PROCEDURES CALLED BY RPROCEDURE EOJ	00166100
*		00166200
*	NOTE: 'T' IN COLUMN 1 IDENTIFIES STATEMENTS FOR	00166300
*	DIAGNOSTIC VERSION. THESE STATEMENTS ARE REMOVED	00166400
*	BY PROGRAM PRISTRP TO CREATE A (FASTER) PRODUCTION VERSION.	00166500
*		00166600
	PROCEDURE DIVISION USING PARMFIELD.	00166700
	BEGIN.	00166800
	MOVE 1 TO TIMECON	00166900
	DISPLAY 'BIBLIOGRAPHIC/MARC PROCESSING SYSTEM'.	00167000
	DISPLAY ' '.	00167100
	DISPLAY 'PRINT PROGRAM'.	00167200
	DISPLAY ' '.	00167300
	DISPLAY SOURCE-VERSION	00167400
	'-D'.	00167500
	DISPLAY ' '.	00167600
	CALL 'PIM' USING DUMPOPT.	00167700
	MOVE LOW-VALUES TO TIME-TABLE DIAG-TABLE.	00167800
	OPEN INPUT PARMFIL.	00167900
	MOVE LOW-VALUES TO PARMWORK.	00168000
	MOVE 1 TO X1.	00168100
	INITBACK.	00168200
	READ PARMFIL INTO PARM-RECWORK (X1) AT END GO TO INITNEXT.	00168300
	IF X1 < 8 ADD 1 TO X1 GO TO INITBACK.	00168400
	INITNEXT.	00168500
	CLOSE PARMFIL.	00168600
	MOVE -1 TO PARMFIRST.	00168700
	OPEN INPUT OPCARD MARCFIL OUTPUT PRNTFIL.	00168800
	MOVE CURRENT-DATE TO DATEGRP.	00168900
	MOVE TIME-OF-DAY TO TIMEGRP.	00169000
	DISPLAY DATEGRP ' ' TIMEHRS ':' TIMEMIN ':' TIMESEC.	00169100
	DISPLAY ' '.	00169200
	MOVE 0 TO W1HEX BINWORK.	00169300
	MOVE ZERO TO SITWORK SN2 N1 N2 N3 N4.	00169400
	MOVE SPACE TO BLANKS.	00169500
	MOVE LOW-VALUES TO HEX-ZEROS.	00169600
	MOVE SPACE TO BUILDHOLD.	00169700
	MOVE SPACES TO BUILDAREA.	00169800
	MOVE SPACE TO PRINT1.	00169900
	MOVE SPACE TO SYMBOLIC-PARAMS.	00170000



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MOVE SPACE TO CARDTABLES. 00170100
MOVE SPACE TO DEFAULT-TABLE. 00170200
MOVE SPACE TO RETURN-CODE-TABLE. 00170300
MOVE LOW-VALUES TO RUN-HOLDS COMP-WORK. 00170400
CALL 'CCLOCK' USING CPU-TIME. 00170500
MOVE 9999999999 TO MARCINLM. 00170600
MOVE 2 TO W1HEX. 00170700
MOVE W1 TO RIGHTJUSTCON. 00170800
*
* PROCESS PARM FIELD OF THE EXEC STATEMENT. 00170900
IF PARM NOT = SPACE EXHIBIT NAMED PARM. 00171000
MOVE PARM TO STRING1. 00171100
PARMBK2. 00171200
IF SWX1 = SPACE GO TO PARMBYP8. 00171300
IF SWX1 = ' ' MOVE STRING2 TO STRING1 GO TO PARMBK2. 00171400
IF STRING1-5 = 'INDEX' MOVE 1 TO INDEX-RUN-SW 00171500
MOVE STRING7 TO STRING1 GO TO PARMBK2. 00171600
IF STRING1-6 = 'SKNL=8' MOVE 8 TO SORTKEYNUMLENGTH 00171700
MOVE STRING8 TO STRING1 GO TO PARMBK2. 00171800
IF STRING1-4 = '6LPI' MOVE 6 TO LINES-PER-INCH 00171900
MOVE STRING6 TO STRING1 GO TO PARMBK2. 00172000
IF STRING1-4 = '8LPI' MOVE 8 TO LINES-PER-INCH 00172100
MOVE STRING6 TO STRING1 GO TO PARMBK2. 00172200
IF STRING1-5 NOT = 'FORMS' GO TO PARMBYP6. 00172300
IF SWX9 = '1' MOVE 6 TO LINES-PER-INCH 00172400
ELSE MOVE 8 TO LINES-PER-INCH. 00172500
MOVE 'T' TO PRINT-TRAIN. 00172600
IF SWX11 = 'U' MOVE 'U' TO PRINT-TRAIN 00172700
MOVE STRING3 TO STRING1. 00172800
MOVE STRING12 TO STRING1. 00172900
GO TO PARMBK2. 00173000
PARMBYP6. 00173100
MOVE '1' TO RC (12). 00173200
DISPLAY 'INVALID PARM ' STRING1. 00173300
PARMBYP8. 00173400
*
NEXT-REPORT. 00173500
DISPLAY . . . 00173600
IF LINECTR NOT = 1 00173700
WRITE PRECORD FROM PRINT1 AFTER ADVANCING TOPPAGE. 00173800
NEXTREPBK2. 00173900
IF FEORSW > 0 AND MEOFSW = 0 AND MREPORTNO = HREPORTNO 00174000
PERFORM MARC-READ THRU MARCRDXT GO TO NEXTREPBK2. 00174100
IF ENDCARDSW > 9 MOVE SPACE TO SYMBOLIC-PARAMS. 00174200
MOVE 1 TO NEWRPTSW. 00174300
MOVE LOW-VALUES TO INDEXES COMP-WORK 00174400
MOVE LOW-VALUES TO OVERUNDER-TABLE COLUMN-CONTROL-TABLE 00174500
MOVE LOW-VALUES TO LINE-DIRECTORY-TABLE 00174600
MOVE LOW-VALUES TO LINE-DIRECTORY-TABLE-HOLD 00174700
MOVE LOW-VALUES TO WLINDIR. 00174800
00174900
00175000

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T



MOVE LOW-VALUES TO WCOLUMN-PARAMS.	00175100
MOVE 1 TO WLINDEX.	00175200
MOVE LOW-VALUES TO DIAG-HOLD TRACE-TABLE.	00175300
MOVE SPACE TO TESTOPT.	00175400
MOVE SPACE TO WSEQIND DISP-MESSAGE.	00175500
MOVE LOW-VALUES TO SUB-HOLD HOLD-DIR.	00175600
MOVE 16 TO SUBCNT. MOVE SPACE TO SUBCODES.	00175700
MOVE SPACE TO COMPCELL COMMONHOLD OPTION-CARD-TABLE	00175800
MOVE SPACE TO ALPHA-REPORT-HOLD.	00175900
MOVE BLANKS TO DEPINE-TABLE DEFINENWORK.	00176000
MOVE 0 TO FORMSBREAKCTR.	00176100
MOVE SPACES TO REPORTCARD PAGECARD LINECARD TAGCARD.	00176200
MOVE 9999999999 TO MAXPAGES.	00176300
MOVE 9999999999 TO REPORTLIM.	00176400
MOVE '9' TO BLANK-LINCOD.	00176500
MOVE ALL 'J' TO REFERBACK-SWITCHES.	00176600
SET ICOL TO 1.	00176700
SET IM IM1 IM2 IM3 IMD IFIX TO 1.	00176800
SET IEAC TO 1.	00176900
SET ISC ISA ICOL IL2 ICCLX TO 1.	00177000
SET IB1 IB2 IPH ITSC ICOM TO 1.	00177100
SET IE IP IL TO 1.	00177200
SET IDEFTAB TO 1.	00177300
SET IPOP IPIT IPLAST TO 1.	00177400
SET ICNW ICNL IHL IHL2 IHOPC TO 1.	00177500
MOVE SPACES TO PRINT1.	00177600
MOVE 1 TO LINECTR TRIAL-LINECTR CONT-TRIAL-LINECTR	00177700
MOVE 'STATEMENT COLUMNS:' TO DISP-MESSAGE.	00177800
DISPLAY DISP-MESSAGE CARD-COLS1.	00177900
MOVE BLANKS TO DISP-MESSAGE.	00178000
DISPLAY DISP-MESSAGE CARD-COLS2.	00178100
MOVE 99 TO OPTABLE-CAPACITY.	00178200
SET ITOP ITOP1 ITOP2 TO 1.	00178300
MOVE LOW-VALUES TO OPTABLE (ITOP).	00178400
IF HELDRCARDSW > 0 MOVE CARDHOLD TO CARDWORK	00178500
MOVE 0 TO HELDRCARDSW GO TO CARD-PROC.	00178600
CARD1.	00178700
MOVE 5 TO TIMECON.	00178800
IF DIAGNOSTIC-RUN-SW > 0 PERFORM DIAG-SET THRU DIAG-SET-XT.	00178900
IF CALL-OPTION-HOLD-SW > 0 AND DEFSW = 0 AND	00179000
(IHOPC NOT > HELD-OPTION-CARD-CT)	00179100
MOVE HOPCARD (IHOPC) TO CARDWORK SET IHOPC UP BY 1	00179200
MOVE 'H' TO CCODE	00179300
GO TO CARD-PROC.	00179400
IF DEFSW = 0 GO TO CARDBYP.	00179500
READ DEFAULTFILE INTO CARDWORK AT END CLOSE DEFAULTFILE	00179600
MOVE 1 TO DEFPROCSW MOVE 0 TO DEFSW GO TO CARDBYP.	00179700
IF DEFAULT-HEADER CLOSE DEFAULTFILE	00179800
MOVE 1 TO DEFPROCSW MOVE 0 TO DEFSW GO TO CARDBYP.	00179900
MOVE 'D' TO CCODE.	00180000



GO TO CARD-PROC.	0018010C
CARDBYP.	0018020C
IF CRDEFSW = 1 GO TO CARD2.	0018030C
READ OPCARD INTO CARDWORK	0018040C
AT END MOVE 1 TO CRDEFSW CLOSE OPCARD	0018050C
DISPLAY 'END OF OPTION STATEMENTS'	0018060C
GO TO CARD2.	0018070C
CARD-PROC.	0018080C
MOVE CARDWORK TO STRING1.	0018090C
IF STRING1-4 = '.END' MOVE 'END ' TO STRING1-4 CARDWORK.	0018100C
IF STRING1-10 = '.INDEX-RUN'	0018110C
ADD 1 TO INDEX-BUN-SW GO TO CARDBYP2.	0018120C
IF (INDEX-RUN-SW = 0) AND (INDEX-CARDS-SW > 0)	0018130C
IF STRING1-4 = 'END ' MOVE 0 TO INDEX-CARDS-SW	0018140C
ELSE GO TO CARD1.	0018150C
IF OPTION-CARD-HOLD-OPCARD OR SYMBOLIC-PARAM-OPCARD	0018160C
OR (OPTION-CARD-HOLD-SW > 0)	0018170C
GO TO CARDBYP2.	0018180C
IF CCOLS1-6 = '.INDEX' OR '.INDIC'	0018190C
ADD 1 TO INDEX-CARDS-SW.	0018200C
IF INDEX-RUN-SW > 0 AND INDEX-CARDS-SW = 0	0018210C
GO TO CARD1.	0018220C
CARDBYP2.	0018230C
ADD 1 TO OPTCARDCT.	0018240C
IF ENDCARDSW > 0 AND (NOT END-OPCARD)	0018250C
MOVE CARDWORK TO CARDHOLD	0018260C
MOVE 1 TO HELDRCARDSW GO TO CARD2.	0018270C
IF OPTCARDCT < 999 MOVE OPTCARDCT TO OPTCARDNUM.	0018280C
IF DISPLAY-EDITCARDS-SW = 1	0018290C
OR (CCODE NOT = 'D' AND CCODE NOT = 'H')	0018300C
OR (CCODE = 'D' AND DEFPRTSW > 0)	0018310C
DISPLAY 'OPTION STMT ' OPTCARDNUM ' -- ' CARDWORK.	0018320C
IF CQEDSEQNUM NUMERIC MOVE BLANKS TO CQEDSEQNUM STRING73-8.	0018330C
IF SSELECTIND = 'S'	0018340C
IF CARDWORK = '* ' MOVE SPACE TO SSELECTIND	0018350C
GO TO CARD1	0018360C
ELSE GO TO CARD1.	0018370C
IF SEARCH-TITLE-OPCARD MOVE 'S' TO SSELECTIND	0018380C
GO TO CARD1.	0018390C
IF OPTION-CARD-HOLD-OPCARD	0018400C
DISPLAY 'THESE CARDS WILL BE AVAILABLE FOR ALL SUBSEQUEN	0018410C
'T REPORTS:' MOVE 1 TO OPTION-CARD-HOLD-SW	0018420C
IF ERASE-OPHOLD SET IHOPC TO 1	0018430C
MOVE 0 TO HELD-OPTION-CARD-CT GO TO CARD1	0018440C
ELSE SET IHOPC TO HELD-OPTION-CARD-CT	0018450C
SET IHOPC UP BY 1 GO TO CARD1.	0018460C
IF OPTION-CARD-HOLD-SW = 0 GO TO CARD1C.	0018470C
IF END-OPCARD MOVE 0 TO OPTION-CARD-HOLD-SW	0018480C
DISPLAY ' ' GO TO CARD1 ELSE	0018490C
	0018500C



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IF CALLHOLD-OPCARD DISPLAY 'CALLHOLD OPTION CARD ' 00185100
      ' ILLEGAL IN IN-STREAM OPTION CARD HOLD' 00185200
      ADD 1 TO CARDERRCT GO TO CARD1 ELSE 00185300
IF HELD-OPTION-CARD-CT NOT < 10 00185400
      DISPLAY 'ONLY 10 "HELD-OPTION-CARDS" ARE PERMITTED' 00185500
      '-- LAST ONE WILL BE IGNORED' 00185600
GO TO CARD1 00185700
ELSE MOVE CARDWORK TO HOPCARD (IHOPC) SET IHOPC UP BY 1 00185800
ADD 1 TO HELD-OPTION-CARD-CT 00185900
GO TO CARD1. 00186000
* 00186100
CARD1C. 00186200
IF REPORT-OPCARD 00186300
      IF (CRCOUNT = 0) OR OVERRIDE-OPCARD ADD 1 TO CRCOUNT 00186400
      MOVE 'a' TO CLTSET-CODE GO TO OP-CARD 00186500
      ELSE DISPLAY 'SECOND REPORT CARD READ BEFORE END CARD ' 00186600
      DISPLAY 'END CARD WILL BE GENERATED' 00186700
      MOVE 1 TO HELDRCARDSW MOVE CARDWORK TO CARDHOLD 00186800
      GO TO CARD2. 00186900
IF FORMAT-OPCARD MOVE CSERIES TO HFORMAT GO TO CARD1. 00187000
IF CALLHOLD-OPCARD MOVE 1 TO CALL-OPTION-HOLD-SW 00187100
      SET IHOPC TO 1 GO TO CARD1. 00187200
IF SPECIAL-RUN-OPCARD GO TO TEST-CARD. 00187300
IF SCANFILE-OPCARD GO TO SCANFILE-CARD. 00187400
IF CCOLS1-6 = 'DEFINE' GO TO DEFINE-CARD. 00187500
* NOTE: TEST FOR DEFINE-CARD MUST PRECEDE TEST FOR DEFAULT CALL 00187600
IF DEFAULTFILE-OPCARD GO TO DEFAULT-CARD. 00187700
IF END-OPCARD GO TO END-CARD. 00187800
IF SYMBOLIC-PARAM-OPCARD GO TO SYMBOLIC-PARAM-CARD. 00187900
IF NOSEQSW = 1 00188000
      IF (CSERIES = TSERIES) AND (TSERIES NOT = SPACE) 00188100
      MOVE LSERIES TO CSERIES 00188200
      ELSE IF (CSERIES2X < 'J' OR > 'R') 00188300
      MOVE CSERIES TO TSERIES 00188400
      COMPUTE N2 = LASTOPSEQ + 1 00188500
      MOVE N2 TO CSERIES LSERIES. 00188600
IF PAGE-HEADING-OPCARD MOVE 'b' TO CLTSET-CODE 00188700
      MOVE CTYPE TO PTYPE CSEQSFX 00188800
      IF REPORT-TITLE-CARD MOVE 1 TO REPORT-TITLE-SW 00188900
      GO TO OP-CARD ELSE GO TO OP-CARD. 00189000
IF LINE-PARA-CPCARD ADD 1 TO CLCOUNT GO TO LINE-TAG-CARD. 00189100
IF TAGDATA-OPCARD ADD 1 TO CTCOUNT GO TO LINE-TAG-CARD. 00189200
GO TO CARD1. 00189300
* 00189400
LINE-TAG-CARD. 00189500
IF CSERIES = SPACE DISPLAY ' ' DISPLAY 'SEQUENCE NUMBER ON AB' 00189600
      'OVE CARD OMITTED -- OPTION CARD SEQ NOS WILL BE' 00189700
      'ASSIGNED' DISPLAY ' ' MOVE 1 TO NOSEQSW 00189800
      COMPUTE N2 = LASTOPSEQ + 1 00189900
      MOVE N2 TO CSERIES LSERIES. 00190000

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IF CSERIES NUMERIC MOVE CSERIES TO N2 MOVE N2 TO LASTOPSEQ.	00190100
MOVE 'C' TO CLTSET-CODE.	00190200
MOVE CTYPE TO CSEQSFY.	00190300
MOVE HFORMAT TO CFORMAT.	00190400
OP-CARD.	00190500
TRANSFORM CSEQSFY FROM TAB2 TO TAB1.	00190600
SET ITOP1 TO ITOP2.	00190700
IF OVERRIDE-OPCARD MOVE CSERIES2X TO W1 MOVE 'R' TO CCODE	00190800
IF SN1 NUMERIC MOVE SN1 TO N1 MOVE N1 TO CSERIES2X	00190900
ELSE IF CSERIES1X = '*' OR SPACE	00191000
MOVE CSERIES1X TO CSERIES2X	00191100
ELSE MOVE ZERO TO CSERIES2X.	00191200
IF REPORT-OPCARD MOVE SPACE TO CSEQ1	00191300
ELSE MOVE CSERIES TO CSEQ1.	00191400
LTCARDBK1.	00191500
IF CSEQNO < TOPSEQNO (ITOP1) SET ITOP1 DOWN BY 1	00191600
GO TO LTCARDBK1.	00191700
IF CCODE NOT = 'R'	00191800
IF PARTIAL-REPLACEMENT	00191900
DISPLAY '***WARNING: PARTIAL REPLACEMENT NOT OVERRIDE'	00192000
-- ASSUMED'	00192100
MOVE '1' TO RC (4) MOVE 'R' TO CCODE	00192200
ELSE GO TO OPCARDBYP7.	00192300
IF CSEQNO NOT = TOPSEQNO (ITOP1)	00192400
IF CCODE = 'R'	00192500
DISPLAY '***WARNING: OVERRIDDEN OPTION CARD NOT FOUND'	00192600
MOVE '1' TO RC (4) TRANSFORM CTYPE FROM TAB2 TO TAB1	00192700
GO TO OPCARDBYP7	00192800
ELSE GO TO OPCARDBYP7.	00192900
IF REPORT-OPCARD AND (CDATA = SPACE)	00193000
MOVE CSERIES TO TOPSERIES (ITOP1) GO TO CARD1.	00193100
MOVE 90 TO COMCNT.	00193200
MOVE CARDWORK TO COMMONAREA.	00193300
IF DELETE-OPCARD MOVE 'DELETED:' TO DISP-MESSAGE	00193400
MOVE OPTABLE (ITOP1) TO CARDWORK	00193500
PERFORM DISPLAY-EDITCARD THRU DISPLAY-EDITCARD-XT	00193600
MOVE COMMONAREA TO OPTABLE (ITOP1)	00193700
GO TO CARD1.	00193800
IF PARTIAL-REPLACEMENT NEXT SENTENCE ELSE	00193900
MOVE 'REPLACED:' TO DISP-MESSAGE	00194000
MOVE OPTABLE (ITOP1) TO CARDWORK	00194100
PERFORM DISPLAY-EDITCARD THRU DISPLAY-EDITCARD-XT	00194200
MOVE COMMONAREA TO OPTABLE (ITOP1) GO TO CARD1.	00194300
MOVE 'CHANGED:' TO DISP-MESSAGE	00194400
MOVE OPTABLE (ITOP1) TO CARDWORK.	00194500
PERFORM DISPLAY-EDITCARD THRU DISPLAY-EDITCARD-XT.	00194600
MOVE 2 TO X9.	00194700
OPCARDBK4.	00194800
	00194900
	00195000



IF COMX (X9) = SPACE GO TO OPCARDBYP5.	00195100
IF COMY (X9) = BLANK-SYMBOL MOVE SPACE TO CWX (X9)	00195200
GO TO OPCARDBYP5.	00195300
MOVE COMX (X9) TO CWX (X9).	00195400
OPCARDBYP5.	00195500
IF X9 < 80 ADD 1 TO X9 GO TO OPCARDBK4.	00195600
MOVE CARDWORK TO OPTABLE (ITOP1).	00195700
GO TO CARD1.	00195800
* OPCARDBYP7.	00195900
* ADD OPTION STMT TO TABLE; ITOP1 POINTS TO LOCATION	00196000
FOR INSERTION; ITOP2 POINTS TO LAST STMT IN TABLE.	00196100
IF DUAL-PURPOSE-OPCARD SUBTRACT 1 FROM OPTABLE-CAPACITY.	00196200
IF ITOP2 NOT < OPTABLE-CAPACITY	00196300
DISPLAY '***OPTION STMT TABLE CAPACITY EXCEEDED'	00196400
GO TO EOJ.	00196500
SET ITOP1 ITOP2 UP BY 1.	00196600
ADD 1 TO OPCOUNT.	00196700
SET ITOP TO ITOP2.	00196800
LTCARDBK2.	00196900
IF ITOP > ITOP1 MOVE OPTABLE (ITOP - 1) TO OPTABLE (ITOP)	00197000
SET ITOP DOWN BY 1 GO TO LTCARDBK2.	00197100
MOVE CARDWORK TO OPTABLE (ITOP).	00197200
GO TO CARD1.	00197300
* TEST-CARD.	00197400
IF DISPLAY-EDITCARDS MOVE 1 TO DISPLAY-EDITCARDS-SW.	00197500
IF IGNORE-SEQUENCE-NOS MOVE 1 TO NOSEQU	00197600
DISPLAY ' ' DISPLAY '\$SSOPTION CARD SEQUENCE NUMBERS WIL	00197700
'L BE REASSIGNED FOR THIS REPORT' DISPLAY ' '.	00197800
IF DIAGNOSTIC-RUN AND (DIAGNOSTIC-RUN-SW = 0 OR 2)	00197900
ADD 1 TO DIAGNOSTIC-RUN-SW.	00198000
IF TIMING-RUN DISPLAY 'TIMING RUN' MOVE 1 TO TIMING-RUN-SW	00198100
ADD 2 TO DIAGNOSTIC-RUN-SW.	00198200
IF CFIRSTACNO NOT = SPACES MOVE CFIRSTACNO TO FIRSTACNO.	00198300
IF CLASTACNO NOT = SPACES MOVE CLASTACNO TO LASTACNO.	00198400
IF (CTESTLIM NOT = SPACE) AND (CTESTLIM NOT NUMERIC)	00198500
DISPLAY 'FAULTY LIMIT ON TEST CARD'	00198600
MOVE 50 TO MARCINLIM DISPLAY 'CHANGED TO 50'.	00198700
IF CTESTLIM NUMERIC MOVE CTESTLIM TO MARCINLIM.	00198800
IF CSKIP NUMERIC MOVE CSKIP TO MARCSKIP.	00198900
IF RESTART-RUN MOVE 1 TO RESTART-SW DISPLAY 'RESTART RUN'	00199000
GO TO RESTART-CARD.	00199100
* IF CTESTOPT NOT = SPACE MOVE CTESTOPT TO TESTOPT.	00199200
IF CDUMPOPT NOT = SPACE MOVE CDUMPOPT TO DUMPOPT.	00199300
IF CREPORTLIM NUMERIC MOVE CREPORTLIM TO REPORTLIM.	00199400
IF CHAXPAGES NUMERIC MOVE CHAXPAGES TO MAXPAGES.	00199500
IF CDEBUG = SPACE GO TO TEST-CARD-BYP.	00199600
ADD 1 TO TESTSW.	00199700
	00199800
	00199900
	00200000



IF TESTSW > 8 GO TO TEST-CARD-BYP.	002001CC
MOVE LOW-VALUES TO DEBUG-WORK.	002002CC
* TRANSLATE 'E' TO E-0; '-' TO --0, TO ACCOMODATE TERMINAL KBD.	002003CC
MOVE CDEBUG TO TEST.	002004CC
IF TEST3 NUMERIC	002005CC
IF TST4 = 'E' MOVE '.' TO TST4 MOVE TEST TO CDEBUG	002006CC
ELSE IF TST4 = '-' MOVE '.' TO TST4 MOVE TEST TO CDEBUG.	002007CC
MOVE CDEBUG TO DEBUG-NAME.	002008CC
MOVE CTRACEOPT TO TRACEOPT.	002009CC
IF DIAG-DEFAULT MOVE DIAG-DEFAULT-CODE TO DIAGOPT	002010CC
ELSE MOVE CDIAGOPT TO DIAGOPT.	002011CC
MOVE CDIAGACNO TO DIAGACNO.	002012CC
MOVE CDIAGLSERIES TO DIAGLSERIES.	002013CC
MOVE CDIAGTSERIES TO DIAGTSERIES.	002014CC
MOVE CDIAGTESTSW TO DIAGTESTSW.	002015CC
IF CSKIPDIAG NUMERIC MOVE CSKIPDIAG TO SKIPDIAGS.	002016CC
IF CMAXDIAGS NUMERIC MOVE CMAXDIAGS TO MAXDIAGS	002017CC
ELSE MOVE 20 TO MAXDIAGS.	002018CC
ADD SKIPDIAGS TO MAXDIAGS.	002019CC
IF CDIAGSTARTADR NUMERIC MOVE CDIAGSTARTADR TO DIAGSTARTADR.	002020CC
IF CDIAGLENGTH NUMERIC MOVE CDIAGLENGTH TO DIAGLENGTH	002021CC
ELSE MOVE 4000 TO DIAGLENGTH.	002022CC
MOVE DEBUG-WORK TO DEBUG-TABLE (TESTSW).	002023CC
TEST-CARD-BYP.	002024CC
GO TO CARD1.	002025CC
* RESTART-CARD.	002026CC
IF CFIRSTPAGE NUMERIC COMPUTE FIRSTPAGE = CFIRSTPAGE - 1.	002027CC
IF CFIRSTCIT NUMERIC COMPUTE CITCT = CFIRSTCIT - 1.	002028CC
IF CFIRSTCITGRP NUMERIC	002029CC
COMPUTE CITGRPHEADCT (1) = CFIRSTCITGRP - 1.	002030CC
IF CCUMTOT NUMERIC MOVE CCUMTOT TO CUMULATIVE-TOTAL.	002031CC
IF CREPTOT NUMERIC MOVE CREPTOT TO CITGRPPREPTOT.	002032CC
IF C1STGRPTOT NUMERIC MOVE C1STGRPIOT TO CITGRPTOT (1).	002033CC
IF CDATE NOT = SPACE MOVE CDATE TO DATEGRP.	002034CC
GO TO CARD1.	002035CC
* SCANFILE-CARD.	002036CC
MOVE 76 TO X1.	002037CC
SCANCARDBK3.	002038CC
IF SCANX (X1) = SPACE SUBTRACT 1 FROM X1 GO TO SCANCARDBK3.	002039CC
IF SCANX (X1) = '-' MOVE SPACE TO SCANX (X1).	002040CC
IF CUTCFF-KEY GO TO SCANFILE-CUTOFF.	002041CC
MOVE X1 TO SCANFILE-FLDEND.	002042CC
MOVE SCANCOMPAREA TO COMPCELL.	002043CC
IF SCANREPNO NUMERIC MOVE SCANREPNO TO SCANFILE-REPORTNO.	002044CC
MOVE 1 TO SCANFILE-SW.	002045CC
GO TO CARD1.	002046CC
* SCANFILE-CUTOFF.	002047CC
	002048CC
	002049CC
	002050CC



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MOVE X1 TO COMPKEYLENGTH.
MOVE SCANFIELD TO COMPKEY.
IF SCANREPNO NUMERIC MOVE SCANREPNO TO COMPREPORTNO.
GO TO CARD1.
*
DEFINE-CARD.
MOVE CCOLS7-73 TO DEFINWORK.
TRANSFORM DEFINWORK FROM TAB1 TO TAB2.
*
TAGS FOR EXCLUSION SHOULD FOLLOW OTHERS
SET IDEFTAG TO 2.
DFNCARDBK2.
IF EXCLUDE-TAG (IDEFTAG)
    MOVE EXCLUDE-CODE TO DEFCODE (IDEFTAG).
IF IDEFTAG < 11 SET IDEFTAG UP BY 1 GO TO DFNCARDBK2.
DFNCARDBK3.
SET IDEFTAG TO 2.
DFNCARDBK4.
IF DEFTAG (IDEFTAG + 1) = SPACE GO TO DFNCARDBYP6.
IF DEFCODE (IDEFTAG) = EXCLUDE-CODE
    AND DEFCODE (IDEFTAG + 1) NOT = EXCLUDE-CODE
    MOVE DEFCODETAG (IDEFTAG) TO W4
    MOVE DEFCODETAG (IDEFTAG + 1)
        TO DEFCODETAG (IDEFTAG)
    MOVE W4 TO DEFCODETAG (IDEFTAG + 1)
    GO TO DFNCARDBK3.
IF IDEFTAG < 11
    SET IDEFTAG UP BY 1 GO TO DFNCARDBK4.
DFNCARDBYP6.
SET HIDEFTAG TO IDEFTAG.
MOVE DEFINWORK TO DEFTAB (IDEFTAB).
SET IDEFTAB UP BY 1.
SET HIDEFTAB TO IDEFTAB.
GO TO CARD1.
*
SYMBOLIC-PARAM-CARD.
*
FORMAT IS: <NAME>='VALUE'
*
VALUE REPLACES PARAMETER <NAME> ON PAGE HEADING STMT.
MOVE 3 TO SWL.
SYMPARBK2.
IF (SWX (SWL) NOT = SYMPARMEND-CODE) AND (SWL < 80)
    ADD 1 TO SWL GO TO SYMPARBK2.
*
SWL POINTS TO ">"; STRINGVAR = "<NAME>".
*
LOOK UP UPPER-CASE VALUE IN TABLE TO SEE IF READ BEFORE:
TRANSFORM STRINGVAR FROM TAB2 TO TAB1.
SET ISW1 TO SWL.
IF SWL > 10 MOVE 10 TO SWL.
SET ISYM TO 1.
SYMPARBK4.
IF SYMNAME (ISYM) = STRINGVAR OR BLANKS GO TO SYMPARBYP5.
IF ISYM < 8 SET ISYM UP BY 1 GO TO SYMPARBK4.

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002051CC
002052CC
002053CC
002054CC
002055CC
002056CC
002057CC
002058CC
002059CC
002060CC
002061CC
002062CC
002063CC
002064CC
002065CC
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002075CC
002076CC
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002078CC
002079CC
002080CC
002081CC
002082CC
002083CC
002084CC
002085CC
002086CC
002087CC
002088CC
002089CC
002090CC
002091CC
002092CC
002093CC
002094CC
002095CC
002096CC
002097CC
002098CC
002099CC
002100CC

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DISPLAY 'NO ROOM FOR ADDITIONAL SYMBOLIC PARAMETER'.
GO TO SYMPARERR.
*
NEW OR REPLACEMENT SYMBOLIC PARAMETER VALUE;
LOCATE 'VALUE' AND STORE IN TABLE ENTRY:
SYMPARBYP5.
MOVE STRINGVAR TO SYMNAME (ISYM).
SET ISW1 UP BY 2.
SYMPARBK5.
IF SWX (ISW1) = QUOTE GO TO SYMPARBYP6.
IF SWX (ISW1) NOT = SPACE
    DISPLAY '***WARNING: MISSING APOSTROPHE(S) IN:'
    DISPLAY DISP-MESSAGE CARDWORK
    MOVE '1' TO RC (4)
    GO TO SYMPARBYP7.
IF ISW1 < 80 SET ISW1 UP BY 1 GO TO SYMPARBK5.
*
IF NO VALUE, DELETE PREVIOUS SYMBOL STMT FROM TABLE:
MOVE BLANKS TO SYMCARD (ISYM).
GO TO SYMPARBYP9.
SYMPARBYP6.
SET ISW1 UP BY 1.
SYMPARBYP7.
SET ISW2 TO 1.
SYMPARBK6.
*
DOUBLE APOSTROPHE IS APOSTROPHE; SINGLE APOST ENDS VALUE.
IF SWX (ISW1) = QUOTE
    IF SWX (ISW1 + 1) = QUOTE
        SET ISW1 UP BY 1
    ELSE MOVE SPACE TO SWX (ISW2) GO TO SYMPARBYP8.
MOVE SWX (ISW1) TO SWX (ISW2).
IF ISW1 < 80 SET ISW1 ISW2 UP BY 1 GO TO SYMPARBK6.
SYMPARBYP8.
SET SW1 TO ISW2.
MOVE STRINGVAR TO SYMVALUE (ISYM).
SYMPARBYP9.
GO TO CARD1.
*
SYMPARERR.
PERFORM EDITCARDERR THRU EDITCARDERRXT.
GO TO CARD1.
*
DEFAULT-CARD.
MOVE STRING2 TO CLABEL.
IF DEFSW = 1
    DISPLAY 'LIBRARY CALL ILLEGAL IN LIBRARY MEMBER'
    ADD 1 TO CARDERRCT GO TO CARD1.
OPEN INPUT DEFAULTFILE.
IF CLABEL = SPACE GO TO DEFAULTCARDBYP.
DEFAULTCARDBK.
READ DEFAULTFILE
AT END DISPLAY 'MEMBER NOT FOUND IN LIBRARY'

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00210100
00210200
00210300
00210400
00210500
00210600
00210700
00210800
00210900
00211000
00211100
00211200
00211300
00211400
00211500
00211600
00211700
00211800
00211900
00212000
00212100
00212200
00212300
00212400
00212500
00212600
00212700
00212800
00212900
00213000
00213100
00213200
00213300
00213400
00213500
00213600
00213700
00213800
00213900
00214000
00214100
00214200
00214300
00214400
00214500
00214600
00214700
00214800
00214900
00215000

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CLOSE DEFAULTFILE ADD 1 TO CARDRECT GO TO CARD1.          002151CC
IF (DEFAULT-HEADER) AND (DEFAULT-LABEL = CLABEL) NEXT    002152CC
SENTENCE ELSE GO TO DEFAULTCARDBK.                       002153CC
DISPLAY DEFAULTREC.                                     002154CC
MOVE 1 TO DEFPRTSW.                                     002155CC
SET IDFLT TO 1.                                         002156CC
DFLT CARDBK6.                                           002157CC
IF DEFAULT-LABEL = DFLTLEL (IDFLT)                      002158CC
MOVE 0 TO DEFPRTSW GO TO DEFAULTCARDBYP.               002159CC
IF IDFLT NOT < HIDFLT MOVE DEFAULT-LABEL TO DFLTLEL (IDFLT) 002160CC
SET IDFLT UP BY 1 SET HIDFLT TO IDFLT                  002161CC
GO TO DEFAULTCARDBYP.                                  002162CC
IF IDFLT < 8 SET IDFLT UP BY 1 GO TO DFLT CARDBK6.     002163CC
DEFAULTCARDBYP.                                        002164CC
MOVE 1 TO DEFSW.                                       002165CC
GO TO CARD1.                                           002166CC
*                                                       002167CC
*                                                       002168CC
* END-CARD.                                             002169CC
* IGNORE END STMT NOT PRECEDED BY PRINT PROG STMTS.   002170CC
IF ITOP1 = 1 GO TO CARD1.                               002171CC
ADD 1 TO ENDCARDSW.                                     002172CC
IF CCOLS1-6 = 'END' OR '.END'                          002173CC
ADD 10 TO ENDCARDSW MOVE 0 TO INDEX-CARDS-SW.         002174CC
GO TO CARD1.                                           002175CC
*                                                       002176CC
*                                                       002177CC
CARD2.                                                  002178CC
DISPLAY ' '.                                             002179CC
IF CRCOUNT = 0 AND SELSW = 1 GO TO EOJ.                 002180CC
IF CLCOUNT > 0 AND CTCOUNT > 0 GO TO CARDBYP3.       002181CC
IF (DEFPROCSW = 1) OR (DEFSW = 1) DISPLAY ' '.         002182CC
DISPLAY 'STILL MISSING LINE OR TAG CARDS'              002183CC
GO TO EOJ.                                              002184CC
DISPLAY 'NO LINE OR TAG CARDS FOUND -- DEFAULT FILE WILL BE 002185CC
'USED'.                                                 002186CC
OPEN INPUT DEFAULTFILE.                                002187CC
MOVE 1 TO DEFSW.                                       002188CC
GO TO CARD1.                                           002189CC
*                                                       002190CC
*                                                       002191CC
CARDBYP3.                                              002192CC
IF TESTSW > 0 EXHIBIT NAMED MARCSKIP FIRSTACNO LASTACNO 002193CC
EXHIBIT NAMED MARCINLIM REPORTLIM DUMPOPT FIRSTPAGE   002194CC
DISPLAY DEBUG-TABLE (1) DISPLAY DEBUG-TABLE (2)      002195CC
DISPLAY DEBUG-TABLE (3) DISPLAY DEBUG-TABLE (4)      002196CC
DISPLAY DEBUG-TABLE (5) DISPLAY DEBUG-TABLE (6)      002197CC
DISPLAY DEBUG-TABLE (7) DISPLAY DEBUG-TABLE (8).     002198CC
CALL 'PIM' USING DUMPOPT.                              002199CC
IF DIAGNOSTIC-RUN-SW > 0 MOVE '!' TO LINDEL           002200CC
MOVE '+' TO OVERPCON MOVE '-' TO OVERPENDCON

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