

00010

XLIST

01970

		00030	
		00040	;ROUTINE TO RETURN NEXT ALPHANUMERIC STRING
		00050	; IN COMMAND LINE (SIXBIT)
		00060	; CALL: MOVE TAC, BYTE POINTER TO FIRST CHAR.-1
		00070	; PUSHJ PDP, CTEXT
		00080	; SIXBIT STRING RETURN LEFT JUSTIFIED IN AC TAC1
		00090	
		00100	INTERNAL CTEXT, CTEXT1
		00110	
		00120	T=BUFPNT ;TEMPORARY ACS
		00130	T1=BUFWRD
		00140	T2=UU0
		00150	
000000	201100	000000	00160 CTEXT1: MOVEI TAC1, 0 ;CHECK PREVIOUS BREAK CHAR.
000001	135500	000001	00170 LDB T, TAC
000002	306500	000015	00180 CAIN T, 15 ;RETURN IF CR.
000003	263140	000000	00190 POPJ PDP,
		00200	
000004	260140	000035'	00210 CTEXT: PUSHJ PDP, SKIPS ;SKIP LEADING SPACES, TABS
000005	200500	000231'	00220 MOVE T,[POINT 6,TAC1]
000006	201100	000000	00230 MOVEI TAC1, 0
000007	135540	000001	00240 LDB T1, TAC
000010	254000	000012'	00250 JRST CTEXT1
000011	134540	000001	00260 CTEXT0: ILDB T1,TAC
000012	260140	000024'	00270 CTEXT1: PUSHJ PDP, CTEXT ;IS IT ALPHANUMERIC
000013	263140	000000	00280 POPJ PDP, ;NO, EXIT
000014	640540	000040	00290 TRC T1,40 ;CONVERT TO SIXBIT
000015	136540	000012	00300 IDPB T1,T ;YES, STORE AWAY
000016	312500	000232'	00310 CAME T,[POINT 6,TAC1,35] ;SIX CHARACTER YET
000017	254000	000011'	00320 JRST CTEXT0 ;NO
000020	134540	000001	00330 CTEXT2: ILDB T1, TAC ;YES
000021	260140	000024'	00340 PUSHJ PDP, CTEXT ;IS IT ALPHANUMERIC
000022	263140	000000	00350 POPJ PDP, ;NO, EXIT
000023	254000	000020'	00360 JRST CTEXT2
		00370	
		00380	;SCAN FOR ALPHANUMERIC CHAR IN T1
000024	301540	000060	00390 CTEXT: CAIL T1, "0"
000025	303540	000132	00400 CAILE T1, "Z" ;LETTERS ARE LARGER THAN NOS.
000026	263140	000000	00410 POPJ PDP, ;NEITHER
000027	303540	000071	00420 CAILE T1, "9"
000030	301540	000101	00430 CAIL T1, "A"
000031	350003	000000	00440 AOS (PDP) ;LETTER OR NUMBER
000032	263140	000000	00450 POPJ PDP,

		00460	
		00470	;ROUTINE TO IGNORE LEADING SPACES AND TABS
		00480	;CALL: MOVE TAC, BYTE POINTER TO CHAR.
		00490	; PUSHJ PDP, SKIPS1
		00500	
		00510	INTERNAL SKIPS1
		00520	
000033	135500 000001	00530	SKIPS1: LDB T, TAC
000034	254000 000036'	00540	JRST SKIPSA
		00550	
		00560	
		00570	;ROUTINE TO IGNORE LEADING SPACES AND TABS
		00580	;CALL: MOVE TAC, BYTE POINTER TO CHAR.-1
		00590	; PUSHJ PDP, SKIPS
		00600	
		00610	INTERNAL SKIPS
		00620	
000035	134500 000001	00630	SKIPS: ILDB T, TAC
000036	302500 000040	00640	SKIPSA: CAIE T, " "
000037	306500 000011	00650	CAIN T, 11
000040	254000 000035'	00660	JRST SKIPS
000041	263140 000000	00670	POPJ PDP,

		00680	
		00690	;ROUTINE TO APPEND A "?" TO INPUT STRING AND SET AS OUTPUT
		00700	;CALL: MOVE TAC, BYTE POINTER TO LAST CHAR. IN INPUT STRING
		00710	; PUSHJ PDP, COMERA
		00720	
		00730	INTERNAL COMERA
		00740	
000042	133000 000001	00750	COMERA: IBP TAC
		00760	
		00770	
		00780	;ROUTINE TO REPLACE LAST CHARACTER IN INPUT STRING BY "?"
		00790	;AND SET AS OUTPUT
		00800	;CALL: MOVE TAC, BYTE POINTER TO LAST CHAR. IN INPUT STRING
		00810	; PUSHJ PDP, COMERR
		00820	
		00830	INTERNAL COMERR
		00840	
		00850	EXTERNAL TTYBUF
		00860	
000043	200240 000001	00870	COMERR: MOVE DAT,TAC
000044	201506 000000	00880	MOVEI T,TTYBUF(DEVDAT) ;IS THERE MORE THAN 3 WORDS I
000045	305505 777775	00890	CAIGE T,-3(DAT)
000046	541252 000003	00900	HRRI DAT,3(T) ;YES, TYPE ONLY 3
000047	201500 000077	00910	MOVEI T, "?" ;APPEND "?"
000050	137500 000005	00920	DPB T, DAT
000051	265040 000060	00930	JSP TAC,CONMES
		00940	
000052	202331 747222	00950	ASCIZ / MONITOR COMMAND ERROR
000053	522372 220206		
000054	476331 540634		
000055	421010 551244		
000056	476441 505000	00960	/
		00970	

		00980	
		00990	
		01000	;ROUTINE TO PRINT CARRIAGE RETURN-LINE-FEED
		01010	;CALL: MOVE DAT,BYTE POINTER TO OUTPUT
		01020	; PUSHJ PDP,CRLF
		01030	
		01040	INTERNAL CRLF
		01050	
000057	201040 000233'	01060	CRLF: MOVEI TAC,[ASCII /
		01070	/]
		01080	
		01090	;ROUTINE TO MOVE ASCII CHAR. STRING TO CONSOLE OUTPUT BUFFER
		01100	; CALL: MOVE DAT, BYTE POINTER TO LAST OUTPUT CHARACTER
		01110	; MOVEI TAC, ADDRESS OF ASCII MESSAGE
		01120	; PUSHJ PDP, CONMES
		01130	; STRING TERMINATED BY NULL
		01140	; CONMES DOES NOT START TTY
		01150	
		01160	INTERNAL CONMES
		01170	
000060	261140 000002	01180	CONMES: PUSH PDP, TAC1
000061	505040 440700	01190	HRLI TAC, 440700 ;FORM BYTE POINTER
000062	134100 000001	01200	CON0: ILDB TAC1, TAC
000063	322100 000066'	01210	JUMPE TAC1, CON1
000064	136100 000005	01220	IDPB TAC1, DAT
000065	254000 000062'	01230	JRST CON0
000066	262140 000002	01240	CON1: POP PDP, TAC1
000067	263140 000000	01250	POPJ PDP,
		01260	
		01270	;ROUTINE TO PRINT "TOO FEW ARGUMENTS"
		01280	;CALL: MOVE DAT,BYTE POINTER
		01290	; PUSHJ PDP,NOTENF
		01300	
		01310	INTERNAL NOTENF
		01320	
000070	265040 000060'	01330	NOTENF: JSP TAC,CONMES
		01340	
000071	522371 720214	01350	ASCIZ /TOO FEW ARGUMENTS
000072	426564 040644		
000073	436531 542634		
000074	522461 505000	01360	/

		01370	
		01380	
		01390	;ROUTINE TO INITIALIZE A JOB
		01400	;CALL: MOVE ITEM, JOB NUMBER
		01410	; PUSHJ PDP, JOBINI
		01420	; DEVDAT IS SETUP ON RETURN
		01430	
		01440	INTERNAL JOBINI, JOBZER
		01450	EXTERNAL JBTSTS, PJOBN, CORE1, MONJOB, ESTOP, TYATT
		01460	
000075	326200 000100'	01470	JOBINI: JUMPJ ITEM, JOB0 ;HAS A JOB NUMBER BEEN ASSIGNED?
000076	260140 000135'	01480	PUSHJ PDP, ASSJOB ;NO, THEN ASSIGN ONE.
000077	254000 000060'	01490	JRST CONMESS ;NONE LEFT
000100	260140 000000	01500	JOB0: PUSHJ PDP, TTYATT ;ATTACH TTY
000101	255000 000000	01510	JFCL ;ALREADY ATTACHED
000102	205040 004000	01520	MOVSI TAC, JNA ;CLEAR JOB NO. ASSIGNED BIT
000103	412044 000000	01530	ANDCAM TAC, JBTSTS(ITEM) ;TO FORCE MESSAGE
000104	205040 646471	01540	MOVSI TAC, 646471 ;SIXBIT /TTY/
000105	202046 000005	01550	MOVEM TAC, DEVLOG(DEVDAT) ;SET LOGICAL NAME
000106	201500 400000	01560	MOVEI T, ASSCON ;SET ASSIGNED BY CONSOLE BIT
000107	436506 000004	01570	IORM T, DEVMOD(DEVDAT)
000110	260140 000172'	01580	PUSHJ PDP, DEASTY ;DE-ASSIGNED ALL DEVICES EXCEPT TTY
000111	322440 000000	01590	JUMPE JDAT, CPOPJ ;DOES JOB ALREADY HAVE CORE?
		01600	
		01610	
		01620	;ROUTINE TO RELEASE ALL DEVICES AND FLUSH CORE
		01630	;RUN AS MONITOR JOB
		01640	;CALL: SAME AS JOBINI
		01650	
		01660	EXTERNAL IOKILL
		01670	
000112	541100 000115'	01680	JOBZER: HRRJ TAC1, JOB1 ;ADDRESS OF SUB. TO RELEASE DEV.
000113	505100 000000	01690	JOBZR1: HRLJ TAC1, ESTOP ;RETURN ADDRESS AFTER IORELS
000114	254000 000000	01700	JRST MONJOB ;GO SCHEDULE MONITOR JOB
		01710	
000115	260140 000000	01720	JOB1: PUSHJ PDP, IOKILL ;KILL ALL IO DEVICES
000116	201040 000000	01730	MOVEI TAC, 0 ;FLUSH ALL CORE
000117	370003 000000	01740	SOS (PDP) ;CORE1 WILL SKIP RETURN
000120	254000 000000	01750	JRST CORE1
		01760	

			01770		
			01780		
			01790	;ROUTINE TO KILL CURRENT JOB	
			01800	;CALL PUSHJ PDP,JOBKIL	
			01810		
			01820	INTERNAL JOBKIL	
			01830	EXTERNAL JBTSTS,TTYKIL	
			01840		
000121	350003	000000	01850	JOBKIL: AOS (PDP)	;SUPRESS CR-LF AND JOB INIT. CHECK
000122	201040	000001	01860	MOVEI TAC,1	
000123	260140	000173'	01870	PUSHJ PDP,DEASAL	;DEASSIGN ALL DEVICES
000124	322440	000132'	01880	JUMPE JDAT,JOBKA	;DOES JOB HAVE CORE?
000125	541100	000127'	01890	HRRI TAC1,JOBK2	;YES,RELEAS DEVICES AND CLEAR CORE
000126	254000	000113'	01900	JRST JOBZR1	
			01910		
000127	261140	000006	01920	JOBK2: PUSH PDP,DEV DAT	;SAVE DEV DAT FOR TTYKIL
000130	260140	000115'	01930	PUSHJ PDP,JOB1	;FLUSH CORE AND RELEASE DEVICES
000131	262140	000006	01940	POP PDP,DEV DAT	
000132	205040	002000	01950	JOBKA: MOVSI TAC,JERR	;CLEAR ALL BUT JOB ERROR BIT
000133	202044	000103'	01960	MOVEM TAC,JBTSTS(ITEM)	;IN JOB STATUS WORD
000134	254000	000000	01970	JRST TTYKIL	;RETURN TTY TO VIRGIN STATE
			01980		
			01990		
			02000	;ROUTINE TO ASSIGN AN UNUSED JOB NUMBER	
			02010	;CALL PUSHJ PDP,ASSJOB	
			02020	; ERROR RETURN	TAC DESTROYED
			02030	; OK RETURN	ITEM SET, TAC AND TAC1 PRESERVED
			02040		
			02050	INTERNAL ASSJOB	
			02060	EXTERNAL MJOBN,JBTSTS,CPOPJ1	
			02070		
000135	205200	000000	02080	ASSJOB: MOVSI ITEM,MJOBN	
000136	253200	000137'	02090	AOBJN ITEM,..+1	
000137	205540	004000	02100	MOVSI T1,JNA	
000140	612544	000133'	02110	TDNE T1,JBTSTS(ITEM)	
000141	253200	000140'	02120	AOBJN ITEM,..-1	
000142	325200	000145'	02130	JUMPGE ITEM,ASSJB1	
000143	405200	777777	02140	ANDI ITEM,-1	
000144	254000	000000	02150	JRST CPOPJ1	
			02160		
000145	265040	000060'	02170	ASSJB1: JSP TAC,CONMES	
000146	452370	220206	02180	ASCIZ /JOB CAPACITY EXCEEDED	
000147	406410	141622			
000150	522624	042660			
000151	416130	542212			
000152	420321	200000	02190	/	

		02200	
		02210	
		02220	;ROUTINE TO DEASSIGN A DEVICE
		02230	;CALL: MOVE DEVDAT, DEVICE DATA BLOCK
		02240	; MOVE ITEM, JOB NUMBER
		02250	; PUSHJ PDP, DEASG
		02260	; ERROR NOT PREVIOUSLY ASSIGNED
		02270	; OK RETURN WITH DEVICE DEASSIGNED
		02280	
		02290	INTERNAL DEASG
		02300	EXTERNAL PJOBN, CPOPJ1
		02310	
000153	135500	000000	02320 DEASG: LDB T, PJOBN ;WAS DEVICE ASSIGNED TO THIS JOB?
000154	312500	000004	02330 CAME T, ITEM
000155	263140	000000	02340 POPJ PDP, ;NO, RETURN
000156	205500	400000	02350 MOVSI T,DVDIRIN ;CLEAR DIRECTORY IN CORE BIT
000157	412506	000004	02360 ANDCAM T,DEVMOD(DEVDAT)
000160	201500	400000	02370 MOVEI T, ASSCON ;YES, IS ASSIGNED BY CONSOLE BIT ON?
000161	616506	000004	02380 TDNN T, DEVMOD(DEVDAT)
000162	263140	000000	02390 POPJ PDP, ;NO
000163	413506	000004	02400 ANDCAB T,DEVMOD(DEVDAT) ;YES, CLEAR BIT
000164	402006	000005	02410 SETZM DEVLOG(DEVDAT) ;CLEAR LOGICAL NAME
000165	602500	200000	02420 TRNE T, ASSPRG ;IS ASSIGNED BY PROGRAM BIT ON?
000166	254000	000144	02430 JRST CPOPJ1 ;YES
000167	201500	000000	02440 MOVEI T,0 ;NO, CLEAR JOB NUMBER
000170	137500	000153	02450 DPB T, PJOBN
000171	254000	000166	02460 JRST CPOPJ1
		02470	
		02480	;ROUTINE TO DEASSIGN ALL DEVICES EXCEPT LOGICAL TTY
		02490	;CALL: MOVE ITEM, JOB NUMBER
		02500	; PUSHJ PDP, DEASTY
		02510	
		02520	INTERNAL DEASTY
		02530	
000172	205040	646471	02540 DEASTY: MOVSI TAC, 646471 ;SIXBIT /TTY/
		02550	;FALL INTO DEASAL
		02560	
		02570	;ROUTINE TO DEASSIGN ALL DEVICES EXCEPT ONE
		02580	;CALL: MOVE ITEM, JOB NUMBER
		02590	; MOVE TAC, LOGICAL DEVICE NOT TO BE DEASSIGNED
		02600	; PUSHJ PDP, DEASAL
		02610	
		02620	INTERNAL DEASAL
		02630	EXTERNAL DEVLST
		02640	
000173	261140	000006	02650 DEASAL: PUSH PDP,DEVDAT
000174	554300	000000	02660 HLRZ DEVDAT,DEVLSL ;SEARCH ALL DDBS
000175	312046	000005	02670 DEAL: CAME TAC, DEVLOG(DEVDAT) ;IS THIS THE LOGICAL NAME
000176	260140	000153	02680 PUSHJ PDP, DEASG ;NO, TRY TO DEASSIGN IT
000177	255000	000000	02690 JFCL ;IGNORE IF CANT
000200	554306	000003	02700 HLRZ DEVDAT, DEVSER(DEVDAT)
000201	326300	000175	02710 JUMPN DEVDAT, DEAL
000202	262140	000006	02720 POP PDP,DEVDAT
000203	263140	000000	02730 POPJ PDP,

		02740	
		02750	
		02760	;ROUTINE TO READ CONSOLE AND CONVERT ANY RADIX NUMBER
		02770	; CALL: MOVE TAC1, DESIRED RADIX
		02780	; MOVE TAC, BYTE POINTER TO FIRST CHARACTER
		02790	; PUSHJ PDP, ANYRIN
		02800	; ERROR EXIT ;AC TAC1=0 IF NO NUMBER BEFORE FIRST NO
		02810	; NORMAL EXIT ;AC TAC1 CONTAINS NUMBER
		02820	; SCAN STOPS ON FIRST ILLEGAL CHARACTER OR CR
		02830	; IGNORES SPACES, TABS, RUBOUTS
		02840	
		02850	INTERNAL OCTIN,ANYRIN,DECIN,DECIN1
		02860	EXTERNAL CPOPJ1, CPOPJ
		02870	
		02880	C=BUFPNT ;CHARACTER AC
		02890	R=BUFWRD ;RADIX AC
		02900	
000204	133000	000001	02910 DECIN1: IBP TAC ;SKIP SEPARATION CHARACTER
000205	201100	000012	02920 DECIN: MOVEI TAC1,12 ;DECIMAL INPUT
000206	254000	000210'	02930 JRST ANYRIN
		02940	
000207	201100	000010	02950 OCTIN: MOVEI TAC1, 10
000210	200540	000002	02960 ANYRIN: MOVE R, TAC1
000211	201100	000000	02970 MOVEI TAC1, 0
000212	260140	000033'	02980 PUSHJ PDP, SKIPS1 ;SKIP LEADING SPACES, TABS
000213	135500	000001	02990 LDB C, TAC
000214	306500	000015	03000 CAIN C, 15 ;CHECK FOR INITIAL CR
000215	263140	000000	03010 POPJ PDP, ;EXIT WITH 0 IN TAC1
000216	302500	000055	03020 OCT0: CAIE C,"-" ;DASH?
000217	306500	000015	03030 CAIN C,15 ;CR?
000220	254000	000171'	03040 JRST CPOPJ1 ;YES, ONLY LEGAL TERMINATORS
000221	275500	000060	03050 SUBI C,60
000222	321500	000224'	03060 JUMPL C, OCTE ;ERROR IF NEGATIVE
000223	311500	000013	03070 CAML C, R ;OR .GE. RADIX
000224	344100	000111'	03080 OCTE: AOJA TAC1,CPOPJ ;ERROR,INSURE TAC1 NON-ZERO
000225	220100	000013	03090 IMUL TAC1, R
000226	270100	000012	03100 ADD TAC1, C
000227	134500	000001	03110 OCT1: ILDB C, TAC
000230	254000	000216'	03120 JRST OCT0
		03130	
000231	440600	000002	03140 END,
000232	000600	000002	
000233	064240	000000	

THERE ARE NO ERRORS

PROGRAM BREAK IS 000234

COMCSS - COMMAND COMMON ROUTINES
SYMBOL TABLE

PAGE 11

A	000000	INT
AC1	000015	INT
AC2	000016	INT
AC3	000017	INT
AL	000001	INT
ANYRIN	000210'	INT
ASSCON	400000	INT
ASSJB1	000145'	
ASSJOB	000135'	INT
ASSPRG	200000	INT
R	000014	INT
BUFPNT	000012	INT
BUFWRD	000013	INT
C	000012	
CLOSR	002000	INT
CLSIN	000002	INT
CLSOUT	000001	INT
COMERA	000042'	INT
COMERR	000043'	INT
CON0	000062'	
CON1	000066'	
CONMES	000060'	INT
CORE1	000120'	EXT
CPOPJ	000224'	EXT
CPOPJ1	000220'	EXT
CRLF	000057'	INT
CTEX	000024'	
CTEX0	000011'	
CTEX1	000012'	
CTEX2	000020'	
CTEXT	000004'	INT
CTEXT1	000000'	INT
D	000017	INT
DAT	000005	INT
DCL	000001	INT
DCW	020000	INT
DDI	000007	INT
DDO	000006	INT
DDTMEM	000037	INT
DDTSYM	000036	INT
DEA1	000175'	
DEASAL	000173'	INT
DEASG	000153'	INT
DEASTY	000172'	INT
DECIN	000205'	INT
DECIN1	000204'	INT
DEN	000004	INT
DEVADR	000007	INT
DEVBUF	000006	INT
DEVCHR	000001	INT
DEVCTR	000011	INT
DEVDAT	000006	INT
DEVIAD	000007	INT
DEVIOS	000002	INT
DEVLOG	000005	INT

DEVLST	000174'	EXT
DEVMOD	000004	INT
DEVNAM	000000	INT
DEVOAD	000010	INT
DEVPTR	000010	INT
DEVSER	000003	INT
DGF	000012	INT
DIN	000003	INT
DLK	000005	INT
DOU	000002	INT
DR	000016	INT
DRL	000000	INT
DSI	000011	INT
DSO	000010	INT
DTW	040000	INT
DVAVAL	000040	INT
DVCDR	100000	INT
DVDIR	000004	INT
DVDIRI	400000	INT
DVIN	000002	INT
DVLPT	040000	INT
DVMTA	000020	INT
DVOUT	000001	INT
DVTY	000010	INT
FNTRB	020000	INT
ESTOP	000113'	EXT
I	000010	INT
IB	000013	INT
IBUFR	200000	INT
INITB	400000	INT
INPB	010000	INT
IO	000020	INT
IOACT	010000	INT
IOREG	000002	INT
IORKTL	040000	INT
IOCON	000040	INT
IODEND	020000	INT
IODERR	200000	INT
IODISC	400000	INT
IODONE	400000	INT
IODTER	100000	INT
IOEND	000040	INT
IOFST	000004	INT
IOIMPM	400000	INT
IOKILL	000115'	EXT
IONRCK	000100	INT
IORDEL	000100	INT
IORET	000020	INT
IOS	000000	INT
IOSTRT	000010	INT
IOUSE	400000	INT
IOW	000001	INT
IOWC	000020	INT
IOWS	400000	INT
ITFM	000004	INT

COMCSS - COMMAND COMMON ROUTINES
SYMBOL TABLE

PAGE 13

JBFA DR	000000	INT
JBFC TR	000002	INT
JBFP TR	000001	INT
JBTSTS	000140'	EXT
JBUF	000005	INT
JDAT	000011	INT
JERR	002000	INT
JIO W	100000	INT
JNA	004000	INT
JOR0	000100'	
JOR1	000115'	
JORINI	000075'	INT
JORK2	000127'	
JORKA	000132'	
JORKIL	000121'	INT
JORZER	000112'	INT
JORZR1	000113'	
LOOKR	040000	INT
MJOB N	000135'	EXT
MONJOB	000114'	EXT
MTW	010000	INT
NOTENF	000070'	INT
OBUF B	100000	INT
OCT0	000216'	
OCT1	000227'	
OCTE	000224'	
OCTIN	000207'	INT
OUTPB	004000	INT
PDP	000003	INT
PICHN	000100	INT
PJOB N	000170'	EXT
PROG	000007	INT
R	000013	
RUN	200000	INT
RUNABL	204000	INT
SKIPS	000035'	INT
SKIPS1	000033'	INT
SKIPSA	000036'	
T	000012	
T1	000013	
T2	000014	
TAC	000001	INT
TAC1	000002	INT
TEM	000010	INT
TTYATC	020000	INT
TTYATT	000100'	EXT
TTYBUF	000044'	EXT
TTYKIL	000134'	EXT
TTYUSE	010000	INT
USRMOD	010000	INT
UUO	000014	INT

END OF ASSEMBLY