

* GEMINI * GLOBAL FILE

END

1 000000	GLO	SOURCE=ORGL08
2 000000	ASS	
3 000000	LOC 100000	
4 100000	*	
5 100000	* SYSTEM POINTERS	(100000-100100)
6 100000	*	
7 100000	1 FMUSER	ASS 3 FWA USER AREA
8 100000	2 FMPRGM	ASS 3 FWA PROGRAM AREA
9 100000	3 FMCURR	ASS 3 PTR TO CURRENT PGM
10 100003	4 NXTCOM	ASS 3 NEXT COMMON ITEM
11 100006	5 SOVAR	ASS 3 BEGIN OF LOCAL VAR
12 100011	6 EOVAR	ASS 3 END OF LOCAL VAR
13 100014	7 NXTMEM	ASS 3 NEXT IN AVAIL USER MEM
14 100017	8 LAVAIL	ASS 3 LAST AVAIL WD IN PGM AREA
15 100022	9 CALVRS	ASS 3 START OF CALC VARIABLES
16 100025	10 RTNSTK	ASS 3 TOP OF GOSUB RETURN STAK
17 100030	11 NXRTH	ASS 3 NEXT AVAIL GOSUB/RTN
18 100033	12 LWAMEM	ASS 3 LWA USER MEM
19 100036	13 FMBIN	ASS 3 FWA USER BIN PROG
20 100041		
21 100044		
22 100047		
23 100047	* SCRATCH INITIALIZATION	*****
24 100047	CONTOK	ASS 1 CONTINUE LEGAL FLAG
25 100050	LLDCOM	ASS 3 LAST LINE DECOMPILE
26 100053	FLDCOM	ASS 3 FIRST LINE DECOMPILE
27 100056	TRCFL1	ASS 1 TRACE MODE JUMP SEEN
28 100057	TRCFL2	ASS 1 TRACE ALL
29 100060	DISPTR	ASS 2 DISP BUFFER PTR
30 100062	PRTPTR	ASS 2 PRINT BUFFER PTR
31 100064	USING?	ASS 1 USING FLAG
32 100065	ONFLAG	ASS 3 ON GOSUB FLAG
33 100070	RESULT	ASS 10 LAST CALC RESULT
34 100100	THENFL	ASS 3 LEGAL-THEN STMT
35 100103	AUTO#	ASS 3 AUTO LINE # LAST VAL
36 100106	AUTOI	ASS 3 AUTO LINE # INC
37 100111	ERGOTO	ASS 3 ON ERROR JMP ADDR
38 100114	ERLIN#	ASS 3 LINE# OF BAD LINE
39 100117	ERNUM#	ASS 1 ERROR NUMBER
40 100120	ERRROM	ASS 1 ROM# OF ERROR
41 100121	ERROW#	ASS 1 ROM# OF LAST ERROR
42 100122	EDMOD2	ASS 1 EDITOR MODE
43 100123	ERRORS	ASS 1 RUN TIME ERRORS
44 100124	ERRTYP	ASS 1 ERROR TYPE
45 100125	ASNTBL	ASS 24 24 BYTES ASSIGN FILES
46 100151		

RESET INITIALIZATION

13 100151	* RESET INITIALIZATION *****	
14 100151	PLOTSY BSS 1	PLOTTER ON/OFF FLAG
15 100152	DEFAUL BSS 1	DEFAULT ERROR FLAG
16 100153	KEYCNT BSS 1	KEYBOARD COUNTER RPT
17 100154	*PPET1 BSS 1	MAJOR KYBD REPEAT
18 100155	*PPET2 BSS 1	MINOR KYBD REPEAT
19 100156	LDLFLTR BSS 2	LIST BREAK LINE COUNT
20 100160	DRG BSS 1	DEG/RAD GRAD
21 100161	PRALLM BSS 1	PRINT ALL MODE
22 100162	SVCWORD BSS 1	SERVICE WORD
23 100163	IOSW BSS 1	IO SVC WORD
24 100164	* END OF RESET INITIALIZATION FOR NOW	
25 100164		
26 100164		
27 100164	*** NOTE RESET CLEARS THROUGH 100155	
28 100164	3PKYDF BSS 0	USED BY ONKEY STMT
29 100164	CURFUN BSS 3	CURRENT FUNCTION ADDRESS
30 100167	INPCOM BSS 2	INPUT COMPLETION ADDR
31 100171	RSTAR BSS 0	2 BYTE TEMP ALLOC
32 100171	OUTPTR BSS 2	OUTPUT PTR FOR BUFFERED INPUT
33 100173	STRNG? BSS 0	COMPILE FLAG FOR PRINT
34 100173	USED? BSS 0	TAPE DIR. SEGMENT USED
35 100173	OLDSEG BSS 0	TAPE DIR. SEGMENT USED
36 100173	CRTON? BSS 0	CRT ON FLAG FOR PRINT DRIVER
37 100173	DATYPE BSS 1	STRING TYPE FOR PRINT# STRING
38 100174	CSTAR BSS 0	1 BYTE TEMP ALLOC
39 100174	AXIS3 BSS 0	1 BYTE TEMP PLOTTER
40 100174	DATUM BSS 0	1 BYTE TAPE R/W DATUM
41 100174	SEC# BSS 1	1 BYTE TAPE SECURITY
42 100175	OPTBAS BSS 2	2 BYTE PERMANENT!
43 100177	RANDOM BSS 1	1 BYTE TAPE SERIAL RANDOM FLA
44 100200	MTFLAG BSS 0	1 BYTE TAPE EMPTY SCAN
45 100200	SECURN BSS 0	2 BYTE TAPE SECURITY NAME
46 100200	LISTCT BSS 0	
47 100200	YMART BSS 1	2 BYTE TEMP FOR PLOT
48 100201	YMART+1 BSS 0	TEMP TOP-HALF OF YMART
49 100201	DTAUPR BSS 1	1 BYTE SOFT PROTECT DATA FILE
50 100202	AXIS2 BSS 0	2 BYTE TEMP PLOTTER
51 100202	SAVR12 BSS 0	2 BYTE TEMP HPIL
52 100202	DCOUNT BSS 2	2 BYTE TAPE COUNT DECOM LENGT
53 100204	INPTOS BSS 2	INPUT TOP OF STAK
54 100206	*	

RESET POWER ON INIT

<<<<<<

```

100206 * I/O VARIABLES (100210-100277)
100206 *
93 100206 CRTBYT BSS 2 CRT BYTE ADDRESS
94 100210 CRTRAM BSS 2 CRT START ADDRESS
95 100212 * MORE RESET INITIALIZATION *****
96 100212 CS.C. BSS 7 CRT SELECT CODE-8 BYTES
97 100221 CS.C+7 BSS 1 CRT SELECT CODE MSB
98 100222 PS.C. BSS 7 PRINTER SELECT CODE
99 100231 PS.C+7 BSS 1 PTR SELECT CODE MSB
100 100232 BINFLG BSS 1 BIN PROG FLAG
101 100233 INPS-3 BSS 3 3 PERMANENT IN FRONT OF INPBU
102 100236 * END RESET INITIALIZATION *****
103 100236 *
104 100236 * DEDICATED BUFFERS (100300-100537)
105 100236 INPBUF BSS 2 PARSE INPUT BUF
106 100240 INPS+2 BSS 6
107 100246 INB+10 BSS 1420
108 100464 LAST10 BSS 30 10 FROM END OF INPUT BUFFER
109 100474 LAST-1 BSS 1 END-1
110 100475 LASTIN BSS 1 END OF INPUT BUFFER
111 100476 LAST+1 BSS 0 END OF BUFFER +1
112 100476 DNBFR BSS 0 128 BYTES FOR DOWN LOADING
113 100476 ERBUF BSS 44 ERROR BUFFER 44 BYTES
114 100542 ERBEND BSS 0 END BUFFER + 1
115 100542 DISBUF BSS 2200 DISPLAY BUFFER
116 101076 FPAR# BSS 2 NUMBER OF FORMAL PARAMS
117 101100 ONFLG BSS 1 ON FLAG FOR DECOMPILE
118 101101 CRTLST BSS 3 3 BYTES CRT
119 101104 DALLED BSS 1 DEALLOCATED FLAG
120 101105 * = 1 IF DEALLOCATED
121 101105 * = 0 IF ALLOCATED
122 101105 ZRSV50 BSS 10 USED BY SAVREG, RSTREG
123 101115 PCR BSS 3 BASIC PGM LINE PTR
124 101120 PRFLAG BSS 1 PRINTER FLAG
125 101121 DSFLAG BSS 1 DISPLAY FLAG
126 101122 *WENABL BSS 1 DD100 WRITE ENABLED
127 101122
128 101122
129 101122
130 101122 * SYSTEM INITIALIZATION *****
131 101122 D2HOOK BSS 1 HOOK FOR SECOND DIRECTORY
132 101123 TIME BSS 10 TIME OF DAY
133 101133 DATE BSS 3 JULIAN DAY YEAR
134 101136 DISPLN BSS 1 1 BYTE DISPLAY LINE LENGTH
135 101137 PRNTLN BSS 1 1 BYTE PRINTER LINE LENGTH
136 101140 * END OF SYSTEM INITIALIZATION *****
137 101140

```

```

>>>>>> POWER ON , TEMPORARYS <<<<<<<<

139 101140 IOBITS BSS 1 1 BYTE IO
140 101141 ERRSC BSS 1 ERROR SELECT CODE
141 101142 KEYHIT BSS 1 KEYBOARD ASCII
142 101143 INPTR BSS 2 INPUT LINE POINTER
143 101145 *****
143 101145 *
144 101145 * LEGEND <100710-101007> *
144 101145 * *****
144 101145 *****

146 101145 LEGEND BSS 800 RUN KEYLABELS (TOP ROW)
147 101265 LEGEN2 BSS 800 (BTM ROW)
148 101405 LEGCAL BSS 800 CALC KEYLABELS (TOP ROW)
149 101525 LEGC42 BSS 800 (BTM ROW)
150 101645 *
151 101645 NXTDAT BSS 0 NXT DATA ADDRESS FOR TAPE BUF
152 101645 B/REC BSS 3 BYTES PER REC FOR CREATE
153 101650 LSTDAT BSS 0 LAST DATA ADDR. FOR TAPE BUF
154 101650 NXTDA+ BSS 3 NXT DATA SAVE TEMP
155 101653 NXTBUF BSS 2 NXT BUFFER ADDRESS
156 101655 CRTWRS BSS 1 CRT STATUS IN RAM
157 101656 ERBASE BSS 1 BASE # READ ERRORS EACH REC.
158 101657 OLDPCR BSS 3 2 BYTE OLD PCR FOR TRACE
159 101662 LOC 101662
160 101662 HSSROM BSS 1 USED BY RAIDS--TROUBLE MAKER
161 101663 DCLCOM BSS 1 COMMON DECLARATION FLAG
162 101664 COMFLG BSS 1 1 BYTE COMMON FLAG
163 101665 BASEC BSS 2 2 BYTE BASE FOR CAPR
164 101667 ERRTMP BSS 2 2 BYTE ERROR REGISTER SAVE
165 101671 FILTYP BSS 1 1 BYTE TAPE, TEMP
166 101672 CRFLAG BSS 1 1 BYTE TAPE TEMP, NO USE BY AL
167 101673 R/FILE BSS 2 2 BYTES TAPE TEMP
168 101675 IPBIN BSS 1 IO ROM COM LINK
169 101676 START BSS 0 10 BYTES TEMP AXIS
170 101676 TSTBUF BSS 0 2 BYTES TEMP TEST, PWD TEST
171 101676 SAVNM2 BSS 0 6 BYTES TEMP TAPE FOR RENAME
172 101676 CR.CNT BSS 10 2 BYTES TEMP TAPE FOR CREATE
173 101706 FINISH BSS 0 10 BYTES TEMP AXIS
174 101706 TSTBF0 BSS 0
175 101706 P.BUFF BSS 2 INDIRECT BUFFER POINTERS
176 101710 TSTBF1 BSS 0
177 101710 P.PTR BSS 2
178 101712 TSTBF2 BSS 0
179 101712 P.FLAG BSS 2
180 101714 TSTBF3 BSS 0
181 101714 LINELN BSS 2 DEVICE LINE LENGTH
182 101716 ML BSS 1 LAST PRINTER(2) MESSAGE LENGT
183 101717 INPR10 BSS 2 R10 SAVE DURING INPUT
184 101721 SCTEMP BSS 4 S.C. TEMP STORE
185 101725 SCTMP4 BSS 2
186 101727 SCT+6 BSS 1
187 101730 SCT+7 BSS 1 S.C. TEMP STORE MSB
188 101731 TEMP2 BSS 0 MATH TEMP STORE

```

```

>>>>>> POWER ON , TEMPORARYS <<<<<<<
189 101731 SAVNAM BSS 0 TAPE FILE NAME TEMP
190 101731 SCRTYP BSS 0 1 BYTE TAPE ERROR TYPE
191 101731 TYPa BSS 1 MAT ROM TEMP STORE
192 101732 INCRA BSS 2 MAT ROM TEMP STORE
193 101734 TYPB BSS 1 MAT ROM TEMP STORE
194 101735 INCRB BSS 2 MAT ROM TEMP STORE
195 101737 NTEMP BSS 2 MAT ROM TEMP STORE
196 101741
197 101741 * SCRAT/PWR ON INITIALIZATION *****
198 101741 STSIZE BSS 3 STMT SIZE PLACE HOLDER
199 101744 TOS BSS 2 TOP R12 STAK
200 101746 OLD TOS BSS 2
201 101750 * END SCRAT/PWR ON INIT
202 101750
203 101750 TIMTAB BSS 3 9 BYTES TIMER TABLE
204 101753 TIMTB2 BSS 3
205 101756 TIMTB3 BSS 3
206 101761 IMSLEN BSS 2 IMAGE START LEN
207 101763 IMSADR BSS 3 IMAGE START ADDR
208 101766 INCLEN BSS 2 IMAGE CURRENT LEN
101770 INCADR BSS 3 IMAGE CURRENT ADDR
210 101773 IMVADR BSS 3 IMAGE WRAP ADDR
211 101776 TYPc BSS 1 MAT ROM TEMP STORE
212 101777 INCRC BSS 2 MAT ROM TEMP STORE
213 102001 TRCFLG BSS 1 MAT ROM TEMP STORE
214 102002 X(K-1) BSS 10 PREVIOUS RND NUMBER
215 102012 LOADAD BSS 0 2 BYTES TAPES
102012 ZERO BSS 3 1 BYTE ZERO TRACE VAR
217 102015 DIMFLG BSS 1 DIMENSION FLAG FOR ALLOC
218 102016
219 102016 * KEYTAB 14 - 3 BYTE ENTRIES
220 102016 KEYTAB BSS 420 BASE ADDR KEY TABL

```

```

>>>> ***** R5 STACK ***** <<<<<<<
102070 * RETURN ADDRESS STACK 101300 - 101777
223 102070 STACK BSS 2
224 102072 STACK2 BSS 0
225 102072 INTPR- BSS 2
226 102074 INTPR6 BSS 3
227 102077 STAK1 BSS 265
228 102364 KBDIN BSS 2
229 102366 KBDOUT BSS 2
230 102370 KBD8UF BSS 117
231 102507 KBD8FE BSS 1
232 102510 *
233 102510 * 101740 - 101777 USED BY DRAW
234 102510 *
235 102510 R6LIN2 BSS 20 LEAVES 60 BYTES
236 102530 R6LIN1 BSS 40 LEAVES 40 BYTES
237 102570 * THESE ARE USED TO SEE IF WE ARE IN TROUBLE
238 102570 *
239 102570 * TAPE BUFFER
240 102570 CLCKYS BSS 0
241 102570 KBUFF BSS 10 NSROM
242 102600 RECBUF BSS 36 TAPE BUFFER 400 BYTES
243 102636 CURIRR BSS 10 SHARED BY VISICALC
244 102646 ONEIRR BSS 10
245 102656 PERCTR BSS 10
246 102666 PERNUM BSS 10
247 102676 CASHFL BSS 10
248 102756 DCFLOW BSS 10
249 102716 LOOKVL BSS 10
250 102726 MEANSQ BSS 10
251 102736 BSS 242
252 103200 LSTBUF BSS 0 LWA + 1 TAPE BUFFER
253 103200
254 103200

```

→→→→→→→

CPU REGISTER SAVE AREA (103200 - 103277)

22-23-24-25-26

```

* * * * *
* CPU REGISTER SAVE AREA (103200 - 103277)
*
* THIS AREA WILL BECOME A VAIL SYSTEM ROM IN THE
* RELEASED SYSTEM
* TO BE USED FOR NEW FLAGS AND A ROM COMMUNICATIONS
* AREA
*
* THIS WILL BECOME THE ROM/RAM AREA
* * * * *

LOC 103200
SAVR0 BSS 2
SAVR2 BSS 2
SAVR4 BSS 2
SAVR6 BSS 2
SAVR10 BSS 2
SAVR12 BSS 41
SAVR53 BSS 4 FOR ASSEMBLER (3/24)
SAVR57 BSS 13 "
SAVR72 BSS 2
SAVR74 BSS 4 "
SAVR+1 BSS 0
SFTR1 BSS 3 SAVE FOR PTR1
SFTR2 BSS 3 SAVE FOR PTR2
RAIDSB BSS 1 RAID3 BFR 100 BYTES
RAID+1 BSS 1 USED BY INT SRV ROUTINES
RAID+2 BSS 10
BSS 47
S10 BSS 2 FOR SAVING R10-11 WHEN INT
ERRBP# BSS 1 BPGM # THAT REPORTS THE ERR
CALFOR BSS 1 FOR-NEXT COUNT IN CALC
ASMCHK BSS 7 USED BY ASSEMBLER
NONSTD BSS 1
ERRSTP BSS 3 BOTTOM OF RAID3 BFR
CURASH BSS 2
CURCAT BSS 2

* * * * *
*
* 9 ROMS
*
* IO ROM
* MS ROM
* GRAPHICS ROM
* APR ROM
* BLUE SPRUCE
* MATRIX ROM

```

CPU REGISTER SAVE AREA (103200 - 103277)

((((((((

103412	*	ASSEMBLER ROM	
103412	*		
103412	*****		
103412	MSBASE	BSS 2	MASS STORAGE PTR
103414	IOBASE	BSS 2	IO ROM TEMP AREA PTR
103416	AGLBAS	BSS 2	GRAPHICS ROM BASE
103420	APRBAS	BSS 2	ADV PROG ROM
103422	BSRBAS	BSS 2	BLUE SPRUCE
103424	MBASE	BSS 2	ADV MATH TEMP AREA PTR
103426	ASMBAS	BSS 2	ASSEMBLER ROM
103430		BSS 2	
103432	CPRBAS	BSS 2	CAPR ROM
103434		BSS 3	RESERVED FOR OTHER ROMS
103437	*****		
103437	+MSPTR	BSS 132D	RESERVED MEM FOR MS-ROM
103437	MSPTR	BSS 32D	PRINT BUFFER
103477	DEFMSU	BSS 4	DEFAULT MSUS
103503	FNAM	BSS 5	FILE NAME 1ST HALF
103510	FNAM+5	BSS 5	FILE NAME 2ND HALF
103515	GNAM	BSS 5	FOR COPY, RENAME ETC
103522	GNAM+5	BSS 5	
103527	SPECIF	BSS 6	VOLUME NAME
103535	DATAB	BSS 10D	DATA BUFF FOR LOW-LEV TRANS
103547	PRDVF	BSS 1	WARD OF TIMEOUT ON PRINTER
103550	PRDVF+	BSS 1	SPECIAL CHARACTER FLAG
103551	DENTRY	BSS 1	1-BYTE CURRENT DIR. ENTRY OFF
103552	DADDR	BSS 2	2-BYTE CURRENT DIR. SECTOR
103554	CUMREC	BSS 2	2-BYTE CUMULATIVE REC. CNT
103556	LSTDIR	BSS 2	2-BYTE LAST SEC OF DIR.
103560	ACTMSU	BSS 4	ACTIVE MSUS
103564	PARAMS	BSS 2	PARAMETER TEMP
103566	CPYSIZ	BSS 2	# SECTORS TO COPY
103570	SRCORG	BSS 2	SOURCE ORIGIN
103572	DESTORG	BSS 2	DESTINATION ORIGIN
103574	DENTD	BSS 1	DEST FILE DIR. ENTRY#
103575	DADD	BSS 2	DEST FILE DIR. SECTOR#
103577	DENTS	BSS 1	SRCE FILE DIR. ENTRY#
103600		BSS 2	
103602	SRCMSU	BSS 4	SRCE MSUS
103606	DESTMSU	BSS 4	DEST MSUS
103612	SAVE26	BSS 2	PRINTER CCR ADDRESS
103614	SPAR#	BSS 1	
103615	ERRRAM	BSS 3	
103620	OCTER#	BSS 1	
103621		BSS 1	
103622	HEADCT	BSS 1	# OF HEADS ON CURRENT DEVICE
103623	PTRADR	BSS 3	STARTING ADDR OF PTR2 FOR SUR
103626	MSTEMP	BSS 13D	NOT CURRENTLY USED
103643			

MOVED FROM AFTER LINE 163

CCCCCCCC

103643							
103643		* IO TRAPS					
103643		IOTRFC	BSS 3			7 BYTES TRAFIC INTERCEPT	
103646		IOTRF+	BSS 4				
103652		IOSP	BSS 7			I-O SERVICE POINTER	
103661		PLHOOK	BSS 7			PLOTTER HOOK	
103670		CHIDLE	BSS 7			CHAR. EDITOR INTERCEPT	
103677		KYIDLE	BSS 7			KEYBOARD INTERCEPT	
103706		AMIDLE	BSS 7			EXEC INTERCEPT	
103715		STRANG	BSS 7			STRANGE DATA TYPES INTERCEPT	
103724		INERR	BSS 7			IMAGE ERROR INTERCEPT	
103733		PRSIDL	BSS 7			PARSER, ALSO	
103742		IRQ20	BSS 7			IO INTERRUPT	
103751		IRQ20+	BSS 6				
103757		IRQPAD	BSS 1				
103760		IRQPTH	BSS 4				
103764		MSHIGH	BSS 7			MS HIGH LEVEL HOOK	
103773		MSLOW	BSS 7			MS LOW LEVEL HOOK	
104002		MSTIME	BSS 7			MS TIMEOUT HOOK	
104011		SPARO	BSS 11			SPARE INT. 1 (P24)	
104022		SPARI	BSS 13			SPARE INTERRUPT #1 (P24)	
104035		DCIDLE	BSS 7			DCOMPILE HOOK	
104044		DGHOOK	BSS 7			DIGITIZE HOOK	
104053		*					
104053		CURLOC	BSS 3			3 BYTES TAPE RESMEM PTR.	
104056		DATLEN	BSS 2			2 BYTES TAPE PRINT#	
104060		RESDAT	BSS 3			3 BYTES TAPE RESMEM PTR2	
104063		SAVR10	BSS 2			2 BYTES R10 SAVED PERMANENT	
104065		ROMFL	BSS 1			ROM FLAG FOR INIT,SCR.,ETC.	
104066		* FOLLOWING IS TEMP					
104066		SAVER6	BSS 2			TAPE RETURN - DONT MESS WITH	
104070		BINTAB	BSS 3			3 BYTES BP BASE ADDRS.	
104073		BINGAS	BSS 12			5 BP'S ADDRESSES	
104105		ROMTAB	BSS 36			INITIAL ROM BASE ADDRS.	
104143		ROMLST	BSS 2			LAST ENTRY IN ROM TABLE	
104145		ROMEND	BSS 0			END OF ROMADDRS.	
104145		CURFIL	BSS 2			CURRENT FILE#	
104147		CURREC	BSS 2			CURRENT RECORD #	
104151		*					

ADDITIONS FOR GEMINI

<<<<<<<<

104151					
104151	SAVPC	BSS	3	SAVE PTR1 DURING INPUT	)
104154	SAVPT2	BSS	3	SAVE FOR PTR2	
104157	GEMINI	BSS	1	GEMINI FLAG	
104160	*			# 0 IF GEMINI PRGM	
104160	*			= 0 IF CAPRICORN PRGM	
104160	DINDIM	BSS	1	DIN FLAG FOR ALLOCATOR	
104161	RESEND	BSS	3		
104164	SAVLAV	BSS	3	SAVE FOR LAVAIL	
104167	JMPADR	BSS	3	PTR TO JMP ADR FIELD OF DEF FN	
104172	OFFPAR1	BSS	3	PTR TO BEGIN OF FN PARS	
104175	OFFPAR2	BSS	3	PTR TO END OF FN PARS	
104200	ERTEMP	BSS	110	12 BYTES TEMP	
104213	*****			ANYBODY CAN USE	
104213	SYSTAB	BSS	1	LAST ENTRY OF ABOVE	
104214	PGMOPT	BSS	2		
104216	TMPTR1	BSS	3		
104221	TMPTR2	BSS	3		
104224	DFLAG	BSS	1	DIRECTORY FLAG (C/G)	
104225					

ARMH 03/14/81=====

ITEM LOC OBJECT CODE SRC=GE%GL3 OBJ=GE%GL3 03/14/1981 4:26 PM PG 11

=====
33>>> CRT STORAGE SPACE

<<<<<<<<

35 104225
104225
416 104225
417 104225
417 104225
417 104225
418 104225
419 104227
420 104231
421 104233
422 104235
423 104235
424 104237
425 104242
426 104242

* CRT STORAGE SPACE OF ALPHA SECTION *

MODE	BSS 2	CRT MODE INDICATOR
PGSIZE	BSS 2	# OF BYTES / PAGE
LLN-1	BSS 2	PGSIZE - ONE LINE
LLN-2	BSS 2	PGSIZE - TWO LINES
PTIOX	BSS 2	INDEX FOR COMPONENTS
ALINE#	BSS 3	LINE# FOR ALLO/DEALLO

◀◀◀◀◀◀◀◀

TMP1	BSZ	8
TMP2	BSZ	8
TMP2-	BSZ	0
TMP3	BSZ	8
TMP4	BSZ	8
TMP4-	BSZ	0

RNA 03/14/81=====

ITEM LOC OBJECT CODE SRC=GENGL3 OBJ=GENGL3 02/14/1981 4:26 PM PG 13

=====
>>>>>> CRT GRAPHICS SECTION SYMBOLS

<<<<<<<<

3 104522

GRAPHICS SECTION FLAG

))))))

4	104522						
46	104522	DEFSLA	BSS	1	=0	: IF DEFAULT SLANT	)
482	104523	*			#0	: IF NOT	
483	104523	DEFSZE	BSS	1	=0	: IF DEFAULT CSIZE	
484	104524	*			#0	: IF NOT	
485	104524	DEFLDR	BSS	1	=0	: IF DEFAULT LDIR	
486	104525	*			#0	: IF NOT	
487	104525	CLIPBA	BSS	1	BIT 7 = 1	IF CLIP B	
488	104526	*			BIT 0 = 1	IF CLIP A	
489	104526	PENON	BSS	1	EVEN	: IF PEN UP	
490	104527	*			ODD	: IF PEN DOWN	
491	104527	CLPFLG	BSS	1	=0	: IF NO NEED TO CLIP	
492	104530	*			#0	: IF NEED CLIPPING	
493	104530	AXFLAG	BSS	1	BIT 0 = 1	IF XAXIS	
494	104531	*			BIT 1 = 1	IF YAXIS	
495	104531	*			BIT 2 = 1	IF GRID	
496	104531	*			BIT 7 = 1	IF LABEL	
497	104531	PONTRL	BSS	2	PEN CONTROL		
498	104533						
499	104533	PLOTTR#	BSS	2	PLOTTER #		
500	104535	PEN#	BSS	2	(PEN #) * 3 FOR INDEXING		
501	104537	LTYPE#	BSS	1	LINE TYPE #		
502	104540						

GRAPHICS LIMITS

CCCCCCCC

504	104540	*	HARD CLIP LIMITS	
505	104540			
506	104540	XH1	B8Z	8
507	104550	XH2	B8Z	8
508	104560	YH1	B8Z	8
509	104570	YH2	B8Z	8
510	104600			
511	104600	*	SOFT CLIP LIMITS	
512	104600			
513	104600	XS1	B8Z	8
514	104610	XS2	B8Z	8
515	104620	YS1	B8Z	8
516	104630	YS2	B8Z	8
517	104640			
518	104640	*	VIEW PORT LIMITS	
519	104640			
520	104640	XV1	B8Z	8
521	104650	XV2	B8Z	8
522	104660	YV1	B8Z	8
523	104670	YV2	B8Z	8
524	104700			
525	104700	*	MACHINE LIMITS	
526	104700			
527	104700	XM1	B8S	8
528	104710	XM2	B8S	8
529	104720	YM1	B8S	8
530	104730	YM2	B8S	8
531	104740			
532	104740			
533	104740	*	# OF DOTS PER GRAPHIC LINE	
534	104740			
535	104740	GLINE	B8S	2
536	104742			
537	104742	*	SIZE OF GRAPHICS SECTION	
538	104742			
539	104742	GSIZE	B8S	2
540	104744			
541	104744			
542	104744	*	SIZE OF ALPHA SECTION	
543	104744			
544	104744	ASIZE	B8S	2
545	104746			

LINE TYPE

547 104746
 548 104746
 549 104746
 549 104746
 550 104746
 551 104746
 552 104750
 553 104750
 554 104770
 555 104770
 556 104770
 557 104770
 558 104771
 559 105011
 560 105012
 561 105013
 562 105013
 563 105014
 563 105014
 564 105014
 565 105014
 566 105014
 567 105024

LINE TYPE TABLE AND WORKING SPACE

CHTBL	BSS	2	PTR TO CHAR TABLE FOR LABEL
LNTYPE	BSS	20	LINE TYPE TABLE
* D#SEG BSS 1 ;# OF SEGMENTS IN THE PATTERN DSEG BSS 160 ;SEGMENTS THEMSELVES DSEG# BSS 1 ;IDX OF CURRENT SEGMENT DTCNT BSS 1 ;COUNT OF DOTS REMAINED TO ;BE PLOTTED IN CURRENT SEG DSKPF BSS 1 ;SKIP FLAG ; =0 ; DON'T SKIP ; =1 ; SKIP ONE DOT DSEG- BSS 0 PRATIO BSS 8 MU/DOT IN LN TYPE PATTERN			

GRAPHICS SYMBOLS

11111111

569 105024
570 105024
571 105024
571 105024
571 105024
572 105024
573 105024
574 105024
575 105024
576 105024
576 105024
577 105024
577 105024
577 105024
578 105024
579 105024
580 105025
581 105026
582 105036
583 105046
584 105056
585 105066
586 105076
587 105106
588 105116
589 105117
590 105117
591 105121
592 105124
593 105125
594 105127
595 105131
596 105131
597 105131
598 105131
599 105141
600 105151
601 105151
602 105161
603 105171
604 105171
605 105171
605 105171
606 105171
607 105171
608 105201
609 105211
610 105221
611 105231
612 105233

*
* GRAPHICS CONSTANTS
*

GBASE	EQU	43200	BASE ADDR FOR GRAPHICS
G#LN-1	EQU	2390	#OF LINES IN GRAPHICS - 1

*
* GRAPHICS STORAGES
*

YLORG	BSZ	1	Y INDEX OF LORG
XLORG	BSZ	1	X INDEX OF LORG
CWIDE	BSZ	8	CHAR WIDTH RATIO
CHITE	BSZ	8	CHAR HIGHT RATIO
SINLD	BSZ	8	SIN(LDIR)
COSLD	BSZ	8	COS(LDIR)
SINPD	BSZ	8	SIN(PDIR)
COSPD	BSZ	8	COS(PDIR)
TANSL	BSZ	8	TAN(SLANT)
LBLFLG	BSZ	1	LABEL FLAG
LBLEN	BSZ	0	
LABLNG	BSZ	2	LNTH OF LABEL STRING
LBADDR	BSZ	3	ADDR OF LABEL STRING
NOSTRK	BSZ	1	# OF STROKES FOR THE CHAR
STPKAD	BSZ	2	ADDR OF ENTRY OF STRK TAB
USER	BSZ	2	USER FLAG
			=0 : NOT USER UNIT
			=40 : USER UNIT
HDISP	BSZ	0	UNIT HORIZONTAL DISP
HDISPX	BSZ	8	
HDISPY	BSZ	8	
VDISP	BSZ	0	
VDISPX	BSZ	8	UNIT VERTICAL DISP
VDISPY	BSZ	8	

*
* AXIS BUFFERS
*

XSTART	BSZ	8	START OF X AXIS
XEND	BSZ	8	END OF X AXIS
XSPAC	BSZ	8	SPACE BETWEEN TICS
YINTR	BSZ	8	INTERCEPT PT
XMAJOR	BSZ	2	MAJOR TIC COUNT

ITEM	LOC	OBJECT CODE	SRC	OBJ	DESCRIPTION
GRAPHICS SYMBOLS					
617	105233	YSTART	BSS	8	START OF Y AXIS
618	105243	YEND	BSS	8	END OF Y AXIS
615	105253	YSPAC	BSS	8	SPACE BETWEEN TICS
616	105263	XINTR	BSS	8	INTERCEPT PT
617	105273	YMAJOR	BSS	2	MAJOR TIC COUNT
618	105275				
619	105275	AXIDX	BSS	2	INDEX TO AXIS
620	105277				
621	105277	*			=0 FOR X-AXIS
622	105277	*			=42 FOR Y-AXIS
623	105277	AXTIC1	BSS	8	CURR TIC LOCATION
624	105307	TICSIZE	BSS	8	TIC SIZE
625	105317	TICHT	BSS	2	MAJOR TIC COUNT
626	105321	LAXNY	BSS	1	
627	105322	LAXN	BSS	1	
628	105323	YMAP	BSS	8	CRT PHYSICAL PEN ADDR
629	105333	YMAP	BSS	8	
630	105343				
631	105343	RMEM	BSS	3	RES MEM COUNT
632	105346	OPTB	BSS	1	FLAG FOR 1ST TIME OPT BASE
633	105347	CURSON	BSS	1	CURSOR ON FLAG
634	105350	*			= 1 ; IF CURSOR ON
635	105350	*			= 0 ; IF CURSOR OFF
636	105350				
637	105350	BOS	BSS	6400	FIXED SIZE R12 STACK
638	106550	XLPEN	BSS	10	X-COOR OF LABEL PEN
639	106560	YLPEN	BSS	10	Y-COOR OF LABEL PEN
640	106570	XXORG	BSS	10	X-COOR OF ORG OF CHAR BLOCK
641	106600	YXORG	BSS	10	Y-COOR OF ORG OF CHAR BLOCK
642	106610				
643	106610	SKYTXT	BSS	4200	CALC SOFTKEYS TEXT (14*30)
644	107454				
645	107454	PRTBUF	BSS	2200	PRINT BUFFER
646	110010				
647	110010	EXTFIL	BSS	800	EXTENDED FILE TYPE TABLE
648	110130				
649	110130	FWROM	BSS	0	FWA USER PROGRAM ROMRAM
650	110130				

CONSTANTS - ADDRESSES

652	110130	* MISC CONSTANTS	
653	110130	*	
654	110130	ZRO	DAD 0 FOR JSB XH,ZRO
655	110130	*	
656	110130	* INPUT/OUTPUT ADDRESS CODES	
657	110130	*	
658	110130	GINTEN	DAD 177400 GLOBAL INTERRUPT ENABLE
659	110130	GINTDS	DAD 177401 GLOBAL INTERRUPT DISABLE
660	110130	PTR1	DAD 177710
661	110130	PTR1-	DAD 177711
662	110130	PTR1+	DAD 177712
663	110130	PTR1-+	DAD 177713
664	110130	PTR2	DAD 177714
665	110130	PTR2-	DAD 177715
666	110130	PTR2+	DAD 177716
667	110130	PTR2-+	DAD 177717
668	110130	RULITE	DAD 177704 RUN LIGHT
669	110130	KEYSTS	DAD 177402 KEYBOARD STATUS
670	110130	KEYCOD	DAD 177403 KEYBOARD CODE AND EQUJOB
671	110130	CRTSAD	DAD 177700 CRT START ADDRESS
672	110130	CRTBAD	DAD 177701 CRT BYTE ADDRESS
673	110130	CRTSTS	DAD 177702 CRT STATUS
674	110130	CRTDAT	DAD 177703 CRT DATA
675	110130	CLKSTS	DAD 177412 CLOCK STATUS
676	110130	CLKDAT	DAD 177413 CLOCK DATA
677	110130	I0STAT	DAD 177420 IO STATUS
678	110130	I0INTC	DAD 177421 IO CONTR-INTRUPT
679	110130	I0DATA	DAD 177422 IO DATA
680	110130	EPOLL	DAD 177423 PARALLEL POLL REG
681	110130	MLAD	DAD 177424 SERIAL POLL REGISTER
682	110130	SERPOL	DAD 177425 MY LISTEN ADDRESS
683	110130	EXSTAT	DAD 177426 EXTENDED IO STATUS
684	110130	RSELEC	DAD 177430 ROM SELECT ADDRESS
685	110130	INTRSC	DAD 177500
686	110130	ACTBAS	DAD 177520
687	110130	ACTB-3	DAD 177515
688	110130	ACTB-6	DAD 177512
689	110130	ACTBS+	DAD 177521
690	110130	SC10+1	DAD 177540
691	110130	DEBSTS	DAD 177736
692	110130	DEBBKP	DAD 177737
693	110130	GST21	DAD 177779 CAPRICORN HALT ADDRESS
694	110130	*	
695	110130	* SYSTEM POINTERS	
696	110130	*	
697	110130	R50K	DAD 60000 FIRST ADDRESS FOR ROMS
698	110130	R50+2	DAD 60002 ROM RUNTIME POINTERS
699	110130	R50+4	DAD 60004 ROM ASCII TABLE
700	110130	R50+6	DAD 60006 ROM PARSE TABLE
701	110130	R50+10	DAD 60010 ROM ERROR MESSAGES
702	110130	R50+12	DAD 60012 ROM INITIALIZATION
703	110130	R50+14	DAD 60014 TEST INITIALIZATION
704	110130	LDFALT	EQU 74 DEFAULT LIST BUST @ 60 LINES

CONSTANTS - ADDRESSES

CCCCCCCC

705	110130	*G+STP	EQU 312	=316-4 (MOVE) SO STOP
706	110130	*FWD	EQU 036	TAPE CONSTANTS
707	110130	*FWD	EQU 016	"
708	110130	*REV	EQU 026	"
709	110130	*REV	EQU 006	"
710	110130	*TOP11	EQU 002	"
711	110130	*GAP	EQU 316	"
712	110130	*ARK	EQU 116	WRITE+FWD+MOVE+TRANS.EN,
713	110130	*EAD	EQU 016	"
714	110130	*EWRTP	EQU 056	WRITE AFTER SYNC+FWD+MOVE
715	110130	*ACH10	EQU 100	#TACHS BETWEEN 2 HOLES
716	110130	SIX	EQU 6	
717	110130	SEVEN	EQU 7	
718	110130	EIGHT	EQU 10	
719	110130	IRGLEN	EQU 320	RECORD GAP TACH COUNT
720	110130	IFGLEN	EQU 800	2.5" GAP TACH COUNT
721	110130	EDTLEN	EQU 4000	END OF TRACK LENGTH
722	110130	EMPTY	EQU 100	
723	110130	CAPRTY	EQU 40	TWO BITS
724	110130	DATATY	EQU 20	
725	110130	SPGNTY	EQU 10	
726	110130	ASCIIT	EQU 4	FILE TYPE ASCII
727	110130	CR	EQU 15	CARRIAGE RETURN
728	110130	LF	EQU 12	
729	110130	BLANK	EQU 40	
730	110130	STAR	EQU 52	*
731	110130	DOLLAR	EQU 44	\$
732	110130	EQUALS	EQU 65	=
733	110130	QMARK	EQU 77	?
734	110130	PLUS	EQU 53	+
735	110130	MINUS	EQU 55	-
736	110130	OPEN	EQU 50	(
737	110130	CLOSE	EQU 51	)
738	110130	INSERT	EQU 133	[INSERT CHAR
739	110130	LBRACK	EQU 133	[INSERT CHAR
740	110130	DELETE	EQU 135	] DELETE CHAR
741	110130	RBRACK	EQU 135	] DELETE CHAR
742	110130	SLASH	EQU 57	/
743	110130	PERIOD	EQU 56	.
744	110130	COMMA	EQU 54	,
745	110130	SANG	EQU 41	!
746	110130	SEMI	EQU 47	SEMICOLON
747	110130	COLON	EQU 72	COLON
748	110130	QUOTE	EQU 42	"
749	110130	*		
750	110130	* NOTE: HPIL EQU'S MOVED TO HPIL ROM -- 7-17-78		
751	110130	*		
752	110130	* TIMER CONSTANTS		
753	110130	*		
754	110130	TIM0	EQU 0	TIMER 0
755	110130	TIM1	EQU 100	TIMER 1
756	110130	TIM2	EQU 200	TIMER 2
757	110130	TIM3	EQU 300	TIMER 3

>>>>>>		CONSTANTS - ADDRESSES	<<<<<<<<
752	110130	TIMDIS EQU 1	DISABLE TIMER INTERRUPT
753	110130	TIMEN EQU 2	ENABLE TIMER INTERRUPT
754	110130	TINSTP EQU 4	STOP TIMER
751	110130	TINGO EQU 10	START TIMER
752	110130	TIMCLR EQU 20	CLEAR TIMER
753	110130	*****	
753	110130	*	*
754	110130	* PCB CONSTANTS	*
754	110130	*	*
754	110130	*****	
765	110130		
766	110130	P.TYPE EQU 6	
767	110130	P.LEN EQU 7	
768	110130	P.COMG EQU 12	
769	110130	P.DTLG EQU 15	
770	110130	P.DTAG EQU 20	
771	110130	P.RMEG EQU 23	
772	110130	P.FCNG EQU 26	
773	110130	P.GCNG EQU 27	
774	110130	P.SFLG EQU 32	SECURITY FLAGS
775	110130	P.SCOG EQU 33	SECURITY CODE
776	110130	P.SOG EQU 40	
777	110130	P.FIRG EQU 44	FIRST TOKEN AFTER LINE #
778	110130	P.COMC EQU 11	
779	110130	P.DTLC EQU 13	
780	110130	P.DTAC EQU 15	
781	110130	P.RMEC EQU 17	
782	110130	P.FCNC EQU 21	
783	110130	P.SFLC EQU 25	
784	110130	P.SCOC EQU 26	
785	110130	P.SOC EQU 30	
786	110130	P.FIRC EQU 33	
787	110130		
788	110130	BINLEN EQU 4	BINARY PROGRAM LENGTH
789	110130	SPGM# EQU 7	BINARY PROGRAM NUMBER
790	110130	FNAMB EQU 10	1ST HALF SPGM NAME
791	110130	FNAMBS EQU 15	2ND HALF SPGM NAME
792	110130	BADDR EQU 22	BPGM ABSOLUTE ADDRESS
793	110130		
794	110130	D.TYPE EQU 7	
795	110130	D.FIL# EQU 6	
796	110130	D.#R/F EQU 10	
797	110130	D.#B/R EQU 12	
798	110130	A.PGMU EQU 2	
799	110130	A.PEND EQU 4	
800	110130	A.FILE EQU 5	
801	110130	A.ERFL EQU 6	
802	110130	A.PPTR EQU 7	
803	110130	A.PREC EQU 10	
804	110130	A.LPTR EQU 12	
805	110130	A.LREC EQU 14	
806	110130	A.#R/F EQU 16	
807	110130	A.#B/R EQU 20	

ARMA 03/14/81=====

ITEM	LOC	OBJECT CODE	SRC=GE&GL3.OBJ=GE&GL3	9/14/1981	4:26 PM	PG 22
------	-----	-------------	-----------------------	-----------	---------	-------

=====

>>>>>	CONSTANTS - ADDRESSES	<<<<<<<<
110130	A.MSUS EQU 22	MASS STORAGE SPEC.
110130	A.DATA EQU 34	
110130	A.RESL EQU 434	
110130	ASNLEN EQU 12	
110130	TESTRM EQU 20340	

SSSSSS

```

RELEASE 8 SYSTEM ENTRY POINTS
SEPT 14, 1981

ABSS  DAD 054525
ADD10 DAD 053030
ADD20 DAD 053040
ADD9 DAD 053025
ADDR01 DAD 052745
ADDR01+ DAD 052750
ADSG DAD 052765
AL1TOK DAD 062470
ALC1LN DAD 062371
ALFA DAD 021656
ALFAL DAD 012466
ALINI DAD 050045
ALINI+ DAD 050217
ALINI- DAD 050202
ALL1.S DAD 051014
ALLOC DAD 040033
ALPHA DAD 012542
ALPHA, DAD 012413
ARITH DAD 072561
ASCIIS DAD 063125
ASCNH1 DAD 050010
ASIGNL DAD 051616
ASSIG, DAD 065466
ATN2, DAD 077157
ATSIGN DAD 061343
AUTO, DAD 030475
AUTOST DAD 063646
AUTOX DAD 030516
2CDINT DAD 041323
DEEP, DAD 010361
BINAM DAD 037266
BINCON DAD 033145
BININT DAD 050314
BINMOV DAD 037036
BKSPC DAD 011520
BLANKS DAD 050613
BLKSSC DAD 014064
BLKLIN DAD 014165
BOL DAD 031203
BOL+ DAD 031200
BOP DAD 050133
BOTMR7 DAD 013342
SPINI DAD 006113
SPSALT DAD 022013
BRTS35 DAD 077754
BRTS40 DAD 077756
BTAB,R DAD 060015

```

>>>>>> SYSTEM DAD's

<<<<<<<

367	110130	BYTCR1	DAD	014003
368	110130	BYTCR#	DAD	012325
369	110130	BYTCR\$	DAD	012324
370	110130	BYTCRT	DAD	014004
371	110130	CATCO-	DAD	050373
372	110130	CATENT	DAD	006673
373	110130	CATTAB	DAD	051553
374	110130	CEIL10	DAD	054412
375	110130	CHAIN+	DAD	076524
376	110130	CHAIN.	DAD	076524
377	110130	CHKSTS	DAD	013204
378	110130	CHR\$,	DAD	003745
379	110130	CHREDT	DAD	000417
380	110130	CHRTAB	DAD	077343
381	110130	CHS10	DAD	052702
382	110130	CHSROI	DAD	052672
383	110130	CKLOOP	DAD	067604
384	110130	CLEAN	DAD	034317
385	110130	CLEAR.	DAD	014225
386	110130	CLEDN2	DAD	011744
387	110130	CLF3IT	DAD	051162
388	110130	CLKH17	DAD	000560
389	110130	CLKSR0	DAD	014553
390	110130	CLKSR1	DAD	014705
391	110130	CLKSR2	DAD	014666
392	110130	CLKSR3	DAD	014647
393	110130	CLUSE+	DAD	050423
394	110130	CLRBIT	DAD	000617
395	110130	CLREOL	DAD	013447
396	110130	CLRERF	DAD	051151
397	110130	CLRLEG	DAD	017361
398	110130	CLRSEC	DAD	051000
399	110130	CMDCED	DAD	074261
400	110130	CNTOUT	DAD	073410
401	110130	CNTRTR	DAD	013245
402	110130	COLUMN	DAD	014206
403	110130	COM	DAD	025153
404	110130	COMFLT	DAD	062375
405	110130	COMLO+	DAD	051577
406	110130	COMM	DAD	044450
407	110130	COMNA\$	DAD	072146
408	110130	COMNA.	DAD	072265
409	110130	COMPLI	DAD	012003
410	110130	CONB13	DAD	004516
411	110130	CONBIN	DAD	004401
412	110130	CONCA.	DAD	076366
413	110130	CONINT	DAD	045116
414	110130	CONB1-	DAD	033044
415	110130	CONST	DAD	033036
416	110130	CONTI	DAD	001470
417	110130	COPSB+	DAD	007015
418	110130	COPSUB	DAD	007011
419	110130	COS10	DAD	054353

SYSTEM DAD's

CCCCC

922	110130	COT10	DAD	054333
923	110130	COUNTK	DAD	014411
924	110130	CROF?	DAD	044205
925	110130	CRT.	DAD	057307
926	110130	CRTBLK	DAD	012246
927	110130	CRTINT	DAD	012176
928	110130	CRTPOF	DAD	012334
929	110130	CRTPOP	DAD	012341
930	110130	CRTUHW	DAD	012350
931	110130	CRTUPD	DAD	012374
932	110130	CSEC10	DAD	054300
933	110130	CUROP1	DAD	044552
934	110130	CUROPS	DAD	044562
935	110130	CUROPT	DAD	044535
936	110130	CURS	DAD	014030
937	110130	CYNUM	DAD	072401
938	110130	CYNUNG	DAD	072431
939	110130	DALLOC	DAD	047123
940	110130	DATA	DAD	026643
941	110130	DATAOK	DAD	050660
942	110130	DATE.	DAD	032073
943	110130	DECLIN#	DAD	034607
944	110130	DCON1	DAD	056463
945	110130	DCSLOP	DAD	035132
946	110130	DCSTR1	DAD	035121
947	110130	DCSTRN	DAD	035116
948	110130	DECOM	DAD	032512
949	110130	DECOM2	DAD	032605
950	110130	DECOML	DAD	006632
951	110130	DECUR2	DAD	013467
952	110130	DEF	DAD	025563
953	110130	DEFFN.	DAD	062416
954	110130	DEFHOK	DAD	007165
955	110130	DEG10	DAD	054736
956	110130	DELET.	DAD	031535
957	110130	DIGIT	DAD	021710
958	110130	DIM	DAD	025145
959	110130	DIMAL	DAD	044510
960	110130	DISP.	DAD	071311
961	110130	DISP.+	DAD	071315
962	110130	DIV10	DAD	052441
963	110130	DIV14	DAD	052444
964	110130	DIV2	DAD	052436
965	110130	DIV20	DAD	052471
966	110130	DIV77	DAD	052366
967	110130	DIV88	DAD	052453
968	110130	DNNOOR	DAD	025175
969	110130	DNCUR.	DAD	013607
970	110130	DNCURS	DAD	013751
971	110130	DOCLCS	DAD	065530
972	110130	DOCUR.	DAD	000067
973	110130	DRCOM	DAD	054224
974	110130	DRV12.	DAD	006722

SYSTEM DAD's

CCCCCCCC

373	110130	E.PARS	DAD	020713
374	110130	EADDR	DAD	032310
375	110130	EJMP#	DAD	002675
376	110130	EJMLB	DAD	002760
377	110130	ELINE#	DAD	032310
378	110130	ELNCAP	DAD	032323
379	110130	ELSZ	DAD	042213
380	110130	EMOVDN	DAD	032161
381	110130	EMOYUP	DAD	032231
382	110130	ENDSR	DAD	014750
383	110130	EOJ1	DAD	014533
384	110130	EOJ2	DAD	014525
385	110130	EPS10	DAD	054722
386	110130	EQ#	DAD	003564
387	110130	ER69D	DAD	051977
388	110130	ER72D	DAD	050651
389	110130	ERFLAG	DAD	051657
390	110130	ERNUM.	DAD	032033
391	110130	ERR88U	DAD	025471
392	110130	ERRL.	DAD	032047
393	110130	ERROR	DAD	010224
394	110130	ERROR+	DAD	010220
395	110130	EXEC	DAD	000072
396	110130	EXNXT	DAD	070256
397	110130	EXP17	DAD	056230
398	110130	EXP20	DAD	056203
399	110130	EXP5	DAD	053174
1000	110130	EXTR1	DAD	036407
1001	110130	EXTRUM	DAD	036350
1002	110130	FASTBS	DAD	011565
1003	110130	FBPGM	DAD	050333
1004	110130	FETADD	DAD	061612
1005	110130	FETADR	DAD	061612
1006	110130	FETAV	DAD	045505
1007	110130	FETAVA	DAD	045505
1008	110130	FETIND	DAD	045272
1009	110130	FETSV	DAD	045264
1010	110130	FETSYA	DAD	045305
1011	110130	FETSYX	DAD	045267
1012	110130	FETVA+	DAD	033230
1013	110130	FETVAR	DAD	033225
1014	110130	FIL377	DAD	051804
1015	110130	FLIP.	DAD	014544
1016	110130	FNCAL\$	DAD	015135
1017	110130	FNCAL.	DAD	015143
1018	110130	FNDL2	DAD	043462
1019	110130	FNDLIN	DAD	032355
1020	110130	FNEND	DAD	024463
1021	110130	FNLET	DAD	027462
1022	110130	FNLET.	DAD	016244
1023	110130	FNRET.	DAD	016013
1024	110130	FNRTN.	DAD	016113
1025	110130	FNUM	DAD	045374

SYSTEM DAD's

<<<<<<<

026	110130	FOR	DAD	030166
	110130	FOR.	DAD	066762
028	110130	FORM3A	DAD	027042
029	110130	FORMAR	DAD	027034
030	110130	FORMG	DAD	072437
031	110130	FORMN	DAD	072451
032	110130	FORMN+	DAD	072421
033	110130	FP5	DAD	054665
034	110130	FRE.	DAD	075611
035	110130	FRMHAM	DAD	044673
036	110130	FRSTLG	DAD	050134
037	110130	FTADR	DAD	061775
038	110130	FTAPU	DAD	062022
039	110130	FTR53	DAD	055375
040	110130	FTR73	DAD	055602
041	110130	FTR77	DAD	055571
042	110130	FTR88	DAD	055574
043	110130	FTR99	DAD	055572
044	110130	FTSTL1	DAD	061475
045	110130	FTSTL2	DAD	061504
	110130	FTSVL	DAD	061440
047	110130	FXDIR	DAD	031107
048	110130	FXLEN	DAD	031001
049	110130	FXRSET	DAD	031667
050	110130	G#N	DAD	024543
051	110130	G#N+NN	DAD	024642
052	110130	G/A	DAD	011606
	110130	G012N	DAD	024707
	110130	G01N	DAD	024726
055	110130	G00R2N	DAD	024744
056	110130	G120R4	DAD	024772
057	110130	G10R2N	DAD	024761
058	110130	GCDIG	DAD	021705
059	110130	GCHAR	DAD	021636
060	110130	GCHAR-	DAD	074546
061	110130	GCLR++	DAD	062323
062	110130	GENALL	DAD	040000
063	110130	GENBIN	DAD	057425
064	110130	GENDAL	DAD	047123
	110130	GENOCG	DAD	032161
066	110130	GENGF5	DAD	060000
067	110130	GENGF6	DAD	020000
068	110130	GENGF2	DAD	015134
069	110130	GENGNA	DAD	060000
070	110130	GENGRA	DAD	060000
071	110130	GENHR2	DAD	077155
072	110130	GENHRX	DAD	051732
073	110130	GENINI	DAD	017447
074	110130	GENKHS	DAD	066207
075	110130	GENKHY	DAD	012176
076	110130	GENLCY	DAD	000000
077	110130	GENLNE	DAD	031001
078	110130	GENMOV	DAD	057172

SYSTEM DAD's

<<<<<<<<

1081	110130	GENNM3	DAD	056761
1082	110130	GENNM4	DAD	017106
1083	110130	GENTAP	DAD	050373
1084	110130	GENTRA	DAD	036423
1085	110130	GENWC2	DAD	076677
1086	110130	GENWC3	DAD	037670
1087	110130	GENWC6	DAD	037036
1088	110130	GENZZ4	DAD	076033
1089	110130	GEQ5.	DAD	003667
1090	110130	GET#1	DAD	050702
1091	110130	GET#1+	DAD	050725
1092	110130	GET#N?	DAD	025002
1093	110130	GET)	DAD	023450
1094	110130	GET1#	DAD	024676
1095	110130	GET1N	DAD	024557
1096	110130	GET2N	DAD	024630
1097	110130	GET4N	DAD	024635
1098	110130	GETBU1	DAD	051340
1099	110130	GETCM?	DAD	023510
1100	110130	GETCMA	DAD	023477
1101	110130	GETCNT	DAD	051503
1102	110130	GETDAT	DAD	067577
1103	110130	GETHEM	DAD	003270
1104	110130	GETNAM	DAD	050551
1105	110130	GETNXT	DAD	032415
1106	110130	GETPA?	DAD	024740
1107	110130	GETPAR	DAD	024562
1108	110130	GETST-	DAD	024661
1109	110130	GETSTP	DAD	024656
1110	110130	GLN/LB	DAD	030344
1111	110130	GORTN.	DAD	000730
1112	110130	GOTOSU	DAD	030317
1113	110130	GR#.	DAD	003614
1114	110130	GR.	DAD	062705
1115	110130	GRAFA.	DAD	012626
1116	110130	GRAFIN	DAD	071256
1117	110130	GRAPH	DAD	012560
1118	110130	GRAPH+	DAD	012724
1119	110130	GRAPH?	DAD	012574
1120	110130	GRINI+	DAD	062142
1121	110130	GRINIT	DAD	062066
1122	110130	GSCALE	DAD	062757
1123	110130	GSUB.	DAD	003050
1124	110130	GTOLBL	DAD	002766
1125	110130	HLFLIN	DAD	014110
1126	110130	HMCURS	DAD	013861
1127	110130	IAPU45	DAD	032062
1128	110130	IAPUSH	DAD	061375
1129	110130	ICONST	DAD	061361
1130	110130	ICOS	DAD	077254
1131	110130	IDENT	DAD	021171
1132	110130	IF	DAD	027575
1133	110130	ILET	DAD	027336

SYSTEM DAD's

<<<<<<<<

110130	INCHR	DAD	014262
110130	INF10	DAD	054321
110130	INFR1	DAD	054616
110130	INFR3	DAD	054540
110130	INFR4	DAD	054543
110130	INGRAF	DAD	071660
110130	INIEND	DAD	042444
110130	INIKLB	DAD	017274
110130	INIPGM	DAD	047070
110130	INIT.	DAD	001241
110130	INITI	DAD	062134
110130	INIVAR	DAD	042342
110130	INIVLP	DAD	042362
110130	INPU\$.	DAD	016434
110130	INPUN.	DAD	016611
110130	INPUT	DAD	026577
110130	INPUT.	DAD	016314
110130	INSRPL	DAD	011733
110130	INT	DAD	044514
110130	INT5	DAD	054572
110130	INTCON	DAD	061371
110130	INTOIV	DAD	054601
110130	INTEGR	DAD	021331
110130	INTFRA	DAD	054535
110130	INTMUL	DAD	053673
110130	INTORL	DAD	057125
110130	IP3	DAD	055002
110130	IP5	DAD	054770
110130	ISCOM	DAD	075641
110130	ISIN	DAD	077244
110130	ITAN	DAD	077264
110130	JATAB	DAD	040210
110130	JFALSR	DAD	003026
110130	JMPLB	DAD	002721
110130	JMPLN#	DAD	002774
110130	JMPREL	DAD	002703
110130	JMPSUB	DAD	003056
110130	JTRUE#	DAD	002651
110130	KCLR	DAD	071015
110130	KCLR-	DAD	070634
110130	KEYLA.	DAD	013360
110130	KEYSRV	DAD	014303
110130	L7	DAD	012310
110130	LABTK?	DAD	047325
110130	LDB.+	DAD	057425
110130	LDFNSH	DAD	037177
110130	LEGDUN	DAD	075673
110130	LEN.	DAD	003700
110130	LENCHK	DAD	051024
110130	LEQ5.	DAD	003656
110130	LET	DAD	027343
110130	LINE1?	DAD	013311
110130	LINEDR	DAD	031223

SYSTEM DAD's

CCCCCCCC

1185	110130	LIST.	DAD	006352
1186	110130	LISTGO	DAD	006355
1187	110130	LN20	DAD	051732
1188	110130	LN21	DAD	051740
1189	110130	LN30	DAD	052030
1190	110130	LN32	DAD	052036
1191	110130	LN38	DAD	052004
1192	110130	LN5	DAD	052346
1193	110130	LOADB&	DAD	063711
1194	110130	LOADB1	DAD	057791
1195	110130	LOGT5	DAD	052515
1196	110130	LPOINT	DAD	051716
1197	110130	LSSET	DAD	006445
1198	110130	LT\$	DAD	003635
1199	110130	LTCUR.	DAD	013623
1200	110130	LTCURS	DAD	013757
1201	110130	MAPABS	DAD	066113
1202	110130	MAPCR1	DAD	066053
1203	110130	MAPXY	DAD	062614
1204	110130	MASSS.	DAD	064233
1205	110130	MATCH?	DAD	043711
1206	110130	MAX10	DAD	056144
1207	110130	MIN10	DAD	056125
1208	110130	MCD	DAD	014216
1209	110130	MCD10	DAD	052541
1210	110130	MCDADR	DAD	013255
1211	110130	MOV40	DAD	062340
1212	110130	MOVCRS	DAD	013771
1213	110130	MOVDN	DAD	057172
1214	110130	MOVDN+	DAD	057176
1215	110130	MOVE	DAD	037062
1216	110130	MOVUP	DAD	057232
1217	110130	MPY10	DAD	053357
1218	110130	MPY28	DAD	053364
1219	110130	MPY30	DAD	053367
1220	110130	MPYR	DAD	053536
1221	110130	MPYRO1	DAD	053517
1222	110130	MSCAT.	DAD	061414
1223	110130	MSCRE.	DAD	065176
1224	110130	MSERR+	DAD	070625
1225	110130	MSIN	DAD	070652
1226	110130	MSLOD	DAD	063600
1227	110130	MSFRNT	DAD	066221
1228	110130	MSFUR.	DAD	064604
1229	110130	MVLOP	DAD	033420
1230	110130	NAMEOK	DAD	071004
1231	110130	NARFE+	DAD	023461
1232	110130	NARREF	DAD	023465
1233	110130	NEXT	DAD	030233
1234	110130	NEXT.	DAD	070147
1235	110130	NEXTD	DAD	047234
1236	110130	NFR	DAD	054676
1237	110130	NFR5	DAD	054705

SYSTEM DAD's

CCCCCCCC

110130	NO.BLK	DAD	006704
110130	NO.CRS	DAD	011643
1240 110130	NORMA.	DAD	002470
1241 110130	NPTC+S	DAD	051305
1242 110130	NUM.	DAD	003714
1243 110130	NUMBER	DAD	021400
1244 110130	NUMCON	DAD	023551
1245 110130	NUMEX+	DAD	022652
1246 110130	NUMREP	DAD	023607
1247 110130	NUMYA+	DAD	022403
1248 110130	NUMVAL	DAD	022406
1249 110130	NXTLIN	DAD	050144
1250 110130	NXTONE	DAD	040045
1251 110130	OFFCK	DAD	074075
1252 110130	OFFER.	DAD	071112
1253 110130	OFKEY#	DAD	025060
1254 110130	OFKEY.	DAD	070734
1255 110130	OFTIM.	DAD	066721
1256 110130	ON	DAD	030255
110130	ON.	DAD	071121
1258 110130	ON?I	DAD	062560
1259 110130	ON?R	DAD	062564
1260 110130	ONCLK1	DAD	066447
1261 110130	ONCLK2	DAD	066523
1262 110130	ONCLK3	DAD	066531
1263 110130	ONEB	DAD	012153
1264 110130	ONEB+	DAD	012150
110130	ONEBCM	DAD	050640
1266 110130	ONEI	DAD	056736
1267 110130	ONER	DAD	056777
1268 110130	ONER+	DAD	057002
1269 110130	ONEROI	DAD	057035
1270 110130	ONERR.	DAD	071072
1271 110130	ONERRO	DAD	025140
1272 110130	ONEX	DAD	056673
1273 110130	ONEX+	DAD	056677
1274 110130	ONKEY#	DAD	025075
1275 110130	ONKEY.	DAD	070430
110130	ONTIM.	DAD	066540
1277 110130	ONTIME	DAD	025070
1278 110130	OPTIO.	DAD	044571
1279 110130	OPTION	DAD	025017
1280 110130	ORDER4	DAD	062723
1281 110130	OUTCH1	DAD	014130
1282 110130	OUTCHR	DAD	014143
1283 110130	OUTLR	DAD	066472
1284 110130	OUTS++	DAD	014057
1285 110130	OUTST+	DAD	014054
1286 110130	OUTSTR	DAD	014020
1287 110130	OVF10	DAD	054430
1288 110130	P.PARS	DAD	020317
1289 110130	PADKBD	DAD	006331
1290 110130	PAGES.	DAD	012756

SYSTEM DAD's

CCCCCCCC

110130	PAGES3	DAD	013152
110130	PARPRM	DAD	023463
110130	PARSER	DAD	020000
110130	PAUSE.	DAD	001340
110130	PENDIN	DAD	051673
110130	PENUP.	DAD	064357
110130	PEOL	DAD	071577
110130	PIIO	DAD	054374
110130	PLIST.	DAD	006344
110130	POPSC	DAD	017471
110130	POS.	DAD	004227
110130	POSLP	DAD	033402
110130	POURON	DAD	000026
110130	PPOINT	DAD	051702
110130	PRADDR	DAD	061454
110130	PRALL.	DAD	017531
110130	PRAR#C	DAD	037612
110130	PRARRO	DAD	037477
110130	PRDRVR	DAD	073023
110130	PRDVR1	DAD	017564
110130	PRDVR2	DAD	017641
110130	PRIN.+	DAD	071336
110130	PRINT	DAD	027105
110130	PRINT.	DAD	071332
110130	PRLIN2	DAD	071717
110130	PRLINE	DAD	071641
110130	PRNFMT	DAD	071370
110130	PRNTR.	DAD	075631
110130	PRSTR+	DAD	066671
110130	PSHEND	DAD	005561
110130	PSRTN	DAD	020121
110130	PU=	DAD	035342
110130	PUMRK	DAD	033060
110130	PUMRKP	DAD	033052
110130	PUSC	DAD	017447
110130	PUSH1A	DAD	024441
110130	PUSH45	DAD	024465
110130	PWO	DAD	077007
110130	R#COM+	DAD	051247
110130	R#COMN	DAD	051244
110130	RI.	DAD	063442
110130	RADIO	DAD	054472
110130	RAGAIN	DAD	030630
110130	RDAR#C	DAD	037540
110130	RDARRO	DAD	037426
110130	RDARRK	DAD	037373
110130	RDARX+	DAD	037400
110130	ROSTR.	DAD	067314
110130	READ	DAD	026747
110130	READ.	DAD	076143
110130	READN.	DAD	076152
110130	READS.	DAD	076157
110130	REAL	DAD	044510

>>>>		SYSTEM DAD's		<<<<<<	
1345	110130	REFNOK	DAD 027530		
1346	110130	REGUSE	DAD 006254		
1347	110130	RELJMF	DAD 040270		
1348	110130	RELMEM	DAD 031777		
1349	110130	RELSHK	DAD 067644		
1350	110130	REM	DAD 024217		
1351	110130	REH10	DAD 052533		
1352	110130	RENUM.	DAD 030564		
1353	110130	REP.1	DAD 007424		
1354	110130	REP.1B	DAD 007401		
1355	110130	REPLTK	DAD 037336		
1356	110130	REFORT	DAD 007277		
1357	110130	RESET.	DAD 005407		
1358	110130	RESFIL	DAD 017106		
1359	110130	RESFL1	DAD 017113		
1359	110130	RESMEM	DAD 031741		
1360	110130	RESTHK	DAD 067651		
1361	110130	RESTL.	DAD 076010		
1362	110130	RESTO.	DAD 076024		
1363	110130	RESTOR	DAD 026724		
1364	110130	RESUL.	DAD 032122		
1365	110130	RETRA1	DAD 013214		
1366	110130	RETRHI	DAD 013234		
1367	110130	RETRN.	DAD 003357		
1368	110130	RM+SET	DAD 017122		
1369	110130	RND10	DAD 053741		
1370	110130	RNDINI	DAD 055704		
1371	110130	RNDIZ.	DAD 055713		
1372	110130	RNDSET	DAD 055733		
1373	110130	ROM.GO	DAD 006147		
1374	110130	ROMCL-	DAD 040023		
1375	110130	ROMCLA	DAD 040014		
1376	110130	ROMINI	DAD 006055		
1377	110130	ROMJS-	DAD 006305		
1378	110130	ROMJSB	DAD 006223		
1379	110130	ROMRTN	DAD 006207		
1380	110130	ROMF	DAD 054673		
1381	110130	ROU10	DAD 055761		
1382	110130	ROUND	DAD 074644		
1383	110130	RSETG-	DAD 005733		
1384	110130	RSETGO	DAD 005700		
1385	110130	RSMEM-	DAD 031741		
1386	110130	RSPTRS	DAD 037740		
1387	110130	RSTART	DAD 014325		
1388	110130	RSTO.	DAD 075734		
1389	110130	RSTREG	DAD 022346		
1390	110130	RSUM#K	DAD 037674		
1391	110130	RSUM8K	DAD 037670		
1392	110130	RTCUR.	DAD 013651		
1393	110130	RTCURS	DAD 013765		
1394	110130	RTOIN	DAD 045001		
1395	110130	RUN.	DAD 001074		
1396	110130	SWHOR	DAD 070046		

SYSTEM DAD's

<<<<<<<<

110130	SAD1	DAD	013723
110130	SAYACH	DAD	037646
110130	SAYREG	DAD	022310
110130	SBRGI+	DAD	052727
110130	SBYTE	DAD	051115
110130	SCAN	DAD	021110
110130	SCAN+	DAD	021105
110130	SCANLK	DAD	073553
110130	SCNST	DAD	033110
110130	SCONST	DAD	062071
110130	SCR???	DAD	014067
110130	SCRa.-	DAD	005607
110130	SCRAS	DAD	005604
110130	SCRAT+	DAD	005424
110130	SCRAT.	DAD	005601
110130	SCRBLK	DAD	014074
110130	SCRDH	DAD	013671
110130	SCRT++	DAD	005454
110130	SCRUP	DAD	013736
110130	SCTBL	DAD	007112
110130	SEC10	DAD	054260
110130	SECNA+	DAD	051270
110130	SECUR+	DAD	051320
110130	SECUR?	DAD	031024
110130	SEMIC*	DAD	072155
110130	SEMIC.	DAD	072274
110130	SENOCR	DAD	074160
110130	SEP10	DAD	056034
110130	SEP15	DAD	056030
110130	SEP20	DAD	056001
110130	SEGN0+	DAD	030422
110130	SET240	DAD	021071
110130	SETCC-	DAD	075222
110130	SETF#	DAD	050756
110130	SETFER	DAD	051132
110130	SETOPT	DAD	044540
110130	SETTR1	DAD	002633
110130	SPKINI	DAD	017156
110130	SGNE	DAD	054202
110130	SHF10	DAD	052474
110130	SHORT	DAD	044521
110130	SHRONF	DAD	054670
110130	SIN10	DAD	054343
110130	SKIP!	DAD	033122
110130	SKIPL	DAD	047367
110130	SKF2NA	DAD	043522
110130	SKFAM	DAD	047705
110130	SKFBYT	DAD	033134
110130	SKPCON	DAD	050304
110130	SKPDEF	DAD	062452
110130	SKPLN	DAD	062362
110130	SKPLN2	DAD	032276
110130	SKFNAM	DAD	032276

>>>>>>		SYSTEM DAD's	<<<<<<<	
1451	110130	3KFNH+ DAD	033127	
1452	110130	3KFNH1 DAD	033126	
1453	110130	3KFRS DAD	047722	
1454	110130	3KFVR DAD	041020	
1455	110130	SMLINT DAD	023557	
1456	110130	SPEC2 DAD	011102	
1457	110130	SQR30 DAD	053264	
1458	110130	SQR3 DAD	053237	
1459	110130	SRCHTK DAD	079335	
1460	110130	ST240+ DAD	021067	
1461	110130	ST240- DAD	021071	
1462	110130	STACKX DAD	057323	
1463	110130	STARTX DAD	000026	
1464	110130	STBEEP DAD	010441	
1465	110130	STEP. DAD	067275	
1466	110130	STEPK. DAD	001571	
1467	110130	STIME. DAD	066263	
1468	110130	STOP. DAD	001276	
1469	110130	STOR1 DAD	042550	
1470	110130	STORB% DAD	062716	
1471	110130	STORB% DAD	062673	
1472	110130	STOST DAD	046472	
1473	110130	STOSTA DAD	046657	
1474	110130	STOSTM DAD	046471	
1475	110130	STOSV DAD	046057	
1476	110130	STOSVM DAD	046056	
1477	110130	STREX+ DAD	023721	
1478	110130	STREXP DAD	023724	
1479	110130	STRIND DAD	061536	
1480	110130	STROK DAD	076033	
1481	110130	STREF DAD	024056	
1482	110130	SUB10 DAD	052734	
1483	110130	SUBIL DAD	052757	
1484	110130	SUGROI DAD	052724	
1485	110130	SUBSCR DAD	035246	
1486	110130	SVPTRS DAD	037717	
1487	110130	SYSPRS DAD	020514	
1488	110130	TAB. DAD	015017	
1489	110130	TAKEHK DAD	067301	
1490	110130	TAN10 DAD	054363	
1491	110130	TAPOS+ DAD	070726	
1492	110130	TAPEXT DAD	050422	
1493	110130	TATBL DAD	017400	
1494	110130	TBL3B DAD	056673	
1495	110130	TEST. DAD	076677	
1496	110130	TIME. DAD	066211	
1497	110130	TIME0 DAD	066665	
1498	110130	TIMRDY DAD	015006	
1499	110130	TIMWST DAD	014776	
1500	110130	TO. DAD	067251	
1501	110130	TO?1 DAD	062541	
1502	110130	TRACE. DAD	002240	
1503	110130	TRAFFIC DAD	007057	

SYSTEM DAD's

CCCCCCCC

110130	TRANS	DAD	036423
1504 110130	TRARAY	DAD	002113
1505 110130	TRC01	DAD	055672
1506 110130	TRC7	DAD	055660
1507 110130	TRCAL	DAD	002455
1508 110130	TRCFP	DAD	002142
1509 110130	TRCLP	DAD	002057
1510 110130	TRCSI	DAD	055674
1511 110130	TRCVB	DAD	025446
1512 110130	TRCVB.	DAD	002254
1513 110130	TRCVBL	DAD	002020
1514 110130	TRVRBL	DAD	002505
1515 110130	TRYIN	DAD	025010
1516 110130	TSTALO	DAD	030755
1517 110130	TSTEN+	DAD	032101
1518 110130	TSTEND	DAD	032102
1519 110130	TUOB	DAD	056760
1520 110130	TUOR	DAD	057020
1521 110130	TUORO1	DAD	057050
1522 110130	TUOSEP	DAD	056023
1523 110130	TUOX	DAD	062221
1524 110130	TUOXO	DAD	062227
1525 110130	TYPSTN	DAD	025422
1526 110130	ULIN#.	DAD	072046
1527 110130	UNEQ#	DAD	003603
1528 110130	UNQUOT	DAD	024366
1529 110130	UNSTAK	DAD	034672
1530 110130	UPC#.	DAD	004142
1531 110130	UPCUR.	DAD	013562
1532 110130	UPCORS	DAD	013743
1533 110130	USING.	DAD	072007
1534 110130	USIHL.	DAD	072032
1535 110130	UT210	DAD	056073
1536 110130	VAL#.	DAD	003770
1537 110130	VAL.	DAD	004020
1538 110130	VECTR.	DAD	007071
1539 110130	VLHED2	DAD	017760
1540 110130	VLHED	DAD	017752
1541 110130	VSRCH	DAD	040794
1542 110130	WAIT.	DAD	066371
1543 110130	WARN	DAD	007724
1544 110130	WREOR	DAD	051202
1545 110130	XCBIT3	DAD	000314
1546 110130	YGA1	DAD	061755
1547 110130	YTK5	DAD	054037
1548 110130	ZER01-	DAD	044767
1549 110130	ZER010	DAD	044756
1550 110130	ZER011	DAD	044760
1551 110130	ZROE11	DAD	057406
1552 110130	ZROEXM	DAD	057334
1553 110130	ZROM-	DAD	044731
1554 110130	ZROMEM	DAD	044716
1555 110130	FIN		

A.#B/R	000020	EQU	0
A.#R/F	000016	EQU	0
A.#OTA	000034	EQU	0
A.#FL	000006	EQU	0
A.FILE	000005	EQU	0
A.LPTR	000012	EQU	0
A.LREC	000014	EQU	0
A.MSUS	000022	EQU	0
A.PEND	000004	EQU	0
A.PGMU	000002	EQU	0
A.PPTR	000007	EQU	0
A.FREC	000010	EQU	0
A.RESL	000434	EQU	0
ABSS	054525	CAD	0
ACTB-3	177515	CAD	0
ACTB-6	177512	CAD	0
ACTBAS	177520	CAD	0
ACTBS+	177521	CAD	0
ACTMSU	103560	LCL	0
ADD10	053030	CAD	0
ADD20	053040	CAD	0
ADD8	053025	CAD	0
AL.#OI	052745	CAD	0
ALDRI+	052750	CAD	0
ALDSU	052765	CAD	0
ALGLBAS	103416	LCL	0
ALITOK	062479	CAD	0
ALCILN	062371	CAD	0
ALFA	021656	CAD	0
AL.#L	012465	CAD	0
ALINE#	104237	LCL	0
ALINI	050045	CAD	0
ALINI+	050217	CAD	0
ALINI-	050202	CAD	0
ALLI-3	051014	CAD	0
ALLOQ	040033	CAD	0
ALPHA	012542	CAD	0
ALPHA.	012413	CAD	0
APRBAS	103420	LCL	0
ARITH	072561	CAD	0
ASCIIS	063125	CAD	0
A.#IT	000004	EQU	0
ASCHM1	050010	CAD	0
ASIGNL	051616	CAD	0
ASIZE	104744	LCL	0
ASMBAS	103426	LCL	0
ASMHOK	103373	LCL	0
ASNLEN	000012	EQU	0
ASNTBL	100125	LCL	0
ASSIG.	065466	CAD	0
ATN2.	077157	CAD	0
ATSIGN	061343	CAD	0
AUTO#	100103	LCL	0
AUTO.	030475	CAD	0

9/14/1981

SymSol	VALUE	TYPE	COUNT	Symbol Table	9/14/1981	4:26 PM	PG 30
AUTOI	100106	LCL	0				
AUTOST	063646	DAD	0				
AVK	030516	DAD	0				
AWFLAG	104530	LCL	0				
AWIDX	105275	LCL	0				
AWIS2	100202	LCL	0				
AWIS3	100174	LCL	0				
AWTIC1	105277	LCL	0				
B/REC	101645	LCL	0				
BADDR	000022	EQU	0				
BANG	000041	EQU	0				
BASEC	101665	LCL	0				
BODINT	041323	DAD	0				
BEEP	010361	DAD	0				
BINAM	037286	DAD	0				
BINBAS	104073	LCL	0				
BINCON	033145	DAD	0				
BINFLG	100232	LCL	0				
BININT	050314	DAD	0				
BINLEN	000004	EQU	0				
BINNOV	037036	DAD	0				
BINTAB	104079	LCL	0				
BLK	011520	DAD	0				
BLANK	000040	EQU	0				
BLANKS	050613	DAD	0				
BLK&SC	014064	DAD	0				
BLKLIN	014165	DAD	0				
BOL	031203	DAD	0				
BOL+	031206	DAD	0				
BOP	050133	DAD	0				
BOS	105350	LCL	0				
BOTMR?	013342	DAD	0				
BOVAR	100014	LCL	0				
BPGM#	000007	EQU	0				
BPGNTY	000010	EQU	0				
BPIHI	006113	DAD	0				
BPSALT	022013	DAD	0				
BRTS35	077754	DAD	0				
BRTS40	077756	DAD	0				
BRSBAS	103422	LCL	0				
BTAR_R	060015	DAD	0				
B	014003	DAD	0				
BYTCR#	012325	DAD	0				
BYTCR\$	012324	DAD	0				
BYTCRT	014004	DAD	0				
CALFOR	103372	LCL	0				
CALVRB	100030	LCL	0				
CAPRTY	000040	EQU	0				
CASHFL	102676	LCL	0				
CATCO-	050373	DAD	0				
CATENT	006573	DAD	0				
CATTAB	051557	DAD	0				
CEIL10	054412	DAD	0				
CHAIN+	076524	DAD	0				

SYMBOL	VALUE	TYPE	COUNT	Symbol Table	9/14/1981	4:26 PM	PG 39
CHAIN.	976524	DAD	0				
CHIDLE	103679	LCL	0				
CHIE	105036	LCL	0				
CHITS	013204	DAD	0				
CHRS.	003745	DAD	0				
CHREDT	000417	DAD	0				
CHRTAB	977343	DAD	0				
CHS10	052702	DAD	0				
CHSRO1	052672	DAD	0				
CHTABL	104746	LCL	0				
CKLOOP	067604	DAD	0				
CLOCKYS	102579	LCL	0				
CLEAN	034317	DAD	0				
CLEAR.	014225	DAD	0				
CLEDM2	011744	DAD	0				
CLFBIT	051162	DAD	0				
CLIPBA	104525	LCL	0				
CLKDAT	177413	DAD	0				
CLKHIT	000560	DAD	0				
CLKSR0	014553	DAD	0				
CLKSR1	014705	DAD	0				
CLKSR2	014666	DAD	0				
CLKSR3	014647	DAD	0				
CLKSTS	177412	DAD	0				
CLOSE	000051	EQU	0				
CLOSE+	050423	DAD	0				
CLPFLG	104527	LCL	0				
CLRBIT	000617	DAD	0				
CLREOL	013447	DAD	0				
CLRF	051151	DAD	0				
CLRLEG	017361	DAD	0				
CLRSEC	051000	DAD	0				
CMDCEB	074261	DAD	0				
CNTOUT	073410	DAD	0				
CNTRTR	013245	DAD	0				
COLON	000072	EQU	0				
COLUMN	014206	DAD	0				
COM	025153	DAD	0				
COMFLG	101664	LCL	0				
COMFLT	062375	DAD	0				
COM+0	051577	DAD	0				
COM	044450	DAD	0				
COMMA	000054	EQU	0				
COMMA#	072146	DAD	0				
COMMA.	072265	DAD	0				
CONFLI	012003	DAD	0				
CONB13	004516	DAD	0				
CONBIN	004401	DAD	0				
CONCA.	076355	DAD	0				
CONINT	045116	DAD	0				
CONSI-	033044	DAD	0				
CONST	033036	DAD	0				
CONT1.	001479	DAD	0				
CONTOK	100047	LCL	0				

COFSB+	007915	LAD	0
COFSUB	007911	LAD	0
COFO	054353	LAD	0
COGLD	105058	LCL	0
COGPD	105076	LCL	0
COTIO	054333	LAD	0
COUNTK	014411	LAD	0
CRBAS	103432	LCL	0
CPYSIZ	103568	LCL	0
CR	000015	EQU	0
CR.LCNT	101676	LCL	0
CRDP?	044205	LAD	0
CRFLAG	101672	LCL	0
CRT	057307	LAD	0
CRTBAD	177701	LAD	0
CRTBLK	012246	LAD	0
CRTBYT	100206	LCL	0
CRTDAT	177703	LAD	0
CRTINT	012176	LAD	0
CRTLST	101101	LCL	0
CRTON?	100173	LCL	0
CRDF	012334	LAD	0
CRTUPP	012341	LAD	0
CRTRAM	100210	LCL	0
CRTSAD	177709	LAD	0
CRTSTS	177702	LAD	0
CRTUNW	012360	LAD	0
CRTUPD	012374	LAD	0
CRTWRS	101655	LCL	0
CS.C+7	100221	LCL	0
CS.C.	100212	LCL	0
CSECIO	054390	LAD	0
CSTAR	100174	LCL	0
CUMREC	103554	LCL	0
CURASN	103406	LCL	0
CURCAT	103410	LCL	0
CURFIL	104145	LCL	0
CURFUN	100164	LCL	0
CURIRR	102636	LCL	0
CURLOC	104053	LCL	0
CR	044552	LAD	0
CURUPS	044562	LAD	0
CUROPT	044535	LAD	0
CURREC	104147	LCL	0
CURS	014030	LAD	0
CURSON	105347	LCL	0
CYNUM	072401	LAD	0
CYNUMG	072431	LAD	0
CWIDE	105026	LCL	0
DASEG	104779	LCL	0
D.#B/R	000012	EQU	0
D.#R/F	000010	EQU	0
D.FIL#	000006	EQU	0
D.TYPE	000007	EQU	0

DEHOOK	101122	LCL	0
DEHOO	103575	LCL	0
DEHOR	103552	LCL	0
DEHED	101104	LCL	0
DEHLOC	047123	DAD	0
DEHATA	026643	DAD	0
DEHATB	103535	LCL	0
DEHATQ	050660	DAD	0
DEHATY	000020	EQU	0
DEHATE	101133	LCL	0
DEHATE.	032073	DAD	0
DEHATLEN	104056	LCL	0
DEHATUM	100174	LCL	0
DEHATYPE	100173	LCL	0
DEHFLOW	102706	LCL	0
DEHIDLE	104035	LCL	0
DEHLCOM	101667	LCL	0
DEHCLIN#	034607	DAD	0
DEHCON1	056463	DAD	0
DEHCOUNT	100202	LCL	0
DEHCSLOP	035132	DAD	0
DEHCSR1	035121	DAD	0
DEHCRN	035116	DAD	0
DEHBBKP	177737	DAD	0
DEHBSTS	177736	DAD	0
DEHCOM	032512	DAD	0
DEHCOM2	032605	DAD	0
DEHCONL	006632	DAD	0
DEHOUR2	013467	DAD	0
DEH)	025567	DAD	0
DEHAUL	100152	LCL	0
DEHFN.	062416	DAD	0
DEHHOK	007169	DAD	0
DEHFLDR	104524	LCL	0
DEHFSU	103477	LCL	0
DEHSLA	104522	LCL	0
DEHFSZE	104523	LCL	0
DEH10	054736	DAD	0
DEHLET.	031535	DAD	0
DEHLETE	000135	EQU	0
DEHNTD	103574	LCL	0
DEHRY	103551	LCL	0
DEHNTS	103577	LCL	0
DEHFLAG	104224	LCL	0
DEHFR1	104172	LCL	0
DEHFR2	104175	LCL	0
DEHHOOK	104044	LCL	0
DEHDIT	021710	DAD	0
DEHDIM	025145	DAD	0
DEHDIAL	044510	DAD	0
DEHDIM	104160	LCL	0
DEHFLG	102015	LCL	0
DEHBUF	100542	LCL	0
DEHSP.	071311	DAD	0

DISP, +	071315	CAD	0
DISPLN	101136	LCL	0
DIS TR	100060	LCL	0
DIV10	052441	CAD	0
DIV14	052444	CAD	0
DIV2	052436	CAD	0
DIV20	052471	CAD	0
DIV77	052366	CAD	0
DIV88	052453	CAD	0
DMNCCR	025175	CAD	0
DNBFR	100476	LCL	0
DNCUR,	013697	CAD	0
DNCURS	013751	CAD	0
DOCLDS	065530	CAD	0
DOCUR,	000067	CAD	0
DOLLAR	000044	EQU	0
DRCOM	054224	CAD	0
DRG	100160	LCL	0
DRV12,	006722	CAD	0
DSEG	104771	LCL	0
DSEG#	105011	LCL	0
D77-	105014	LCL	0
D5, LAG	101121	LCL	0
DSKPF	105013	LCL	0
DSTMSU	103606	LCL	0
DSTORG	103572	LCL	0
DTAWPR	100201	LCL	0
DTONT	105012	LCL	0
E, PARS	020713	CAD	0
EADDR	032310	CAD	0
EDMOD2	100122	LCL	0
EIGHT	000010	EQU	0
EJMP#	002675	CAD	0
EJMLB	002760	CAD	0
ELINE#	032310	CAD	0
ELNCAP	032323	CAD	0
EL62	042213	CAD	0
ENOVDR	032161	CAD	0
ENOVUP	032231	CAD	0
EMPTYP	000100	EQU	0
ENOCR	014750	CAD	0
E	014533	CAD	0
EQJ2	014525	CAD	0
EQTLN	000620	EQU	0
EQVAR	100017	LCL	0
EP310	054722	CAD	0
EQ#	003564	CAD	0
EQUALS	000065	EQU	0
ER69D	051077	CAD	0
ER72D	050651	CAD	0
ERBASE	101656	LCL	0
ERBEND	100542	LCL	0
ERFLAG	051657	CAD	0
ERGOTO	100111	LCL	0

SYMBOL	VALUE	TYPE	COUNT
ERLIN#	100114	LCL	0
ERLUM#	100117	LCL	0
ERM	032033	DAD	0
ERSU	025471	DAD	0
ERRBP#	103374	LCL	0
ERRBUF	100476	LCL	0
ERRL	032047	DAD	0
ERRRM#	100121	LCL	0
ERROR	010224	DAD	0
ERROR+	010220	DAD	0
ERRORS	100123	LCL	0
ERRRAN	103615	LCL	0
ERRRON	100120	LCL	0
ERRSC	101141	LCL	0
ERRSTP	103403	LCL	0
ERRTMP	101667	LCL	0
ERRTYP	100124	LCL	0
ERSV50	101105	LCL	0
ERTEMP	104200	LCL	0
EXEC	000072	DAD	0
EXNKT	070256	DAD	0
EXN7	056230	DAD	0
EXNLO	056203	DAD	0
EXPS	053174	DAD	0
EXSTAT	177426	DAD	0
EXTFIL	110010	LCL	0
EXTRI	036407	DAD	0
EXTRUM	036350	DAD	0
EXRTBS	011565	DAD	0
EXM	050333	DAD	0
FETADD	061612	DAD	0
FETADR	061612	DAD	0
FETAV	045505	DAD	0
FETAVA	045505	DAD	0
FETIND	045272	DAD	0
FETSV	045264	DAD	0
FETSYA	045305	DAD	0
FETSVX	045267	DAD	0
FETVA+	033230	DAD	0
FETVAR	033225	DAD	0
FI-277	051004	DAD	0
FILEYP	101671	LCL	0
FINISH	101706	LCL	0
FLDCOM	100053	LCL	0
FLIP	014544	DAD	0
FNAM	103503	LCL	0
FNAM+5	103510	LCL	0
FNAMB	000010	EQU	0
FNAMB5	000015	EQU	0
FNICAL5	015135	DAD	0
FNICAL	015143	DAD	0
FNDL2	043462	DAD	0
FNDLIN	032355	DAD	0
FNEED	024463	DAD	0

FILET	027462	LAD	0
FILET.	016244	LAD	0
FILET.	016013	LAD	0
FILET.	016113	LAD	0
FILET	045374	LAD	0
FOR	030166	LAD	0
FOR.	066762	LAD	0
FORN\$A	027042	LAD	0
FORNAR	027034	LAD	0
FORNG	072437	LAD	0
FORMN	072451	LAD	0
FORMN+	072421	LAD	0
FP5	054665	LAD	0
FPAR#	101076	LCL	0
FRE.	075611	LAD	0
FRMNM	044873	LAD	0
FRSTLG	050134	LAD	0
FTADR	061775	LAD	0
FTAPU	062022	LAD	0
FTB3	055375	LAD	0
FTB73	055602	LAD	0
FTB77	055571	LAD	0
FTB	055374	LAD	0
FTB99	055372	LAD	0
FTSTL1	061475	LAD	0
FTSTL2	061504	LAD	0
FTSVL	061440	LAD	0
FUBIN	100044	LCL	0
FUCURR	100006	LCL	0
FUPRGM	100003	LCL	0
FURON	110130	LCL	0
FUSER	100000	LCL	0
FXDIR	031107	LAD	0
FXLEN	031001	LAD	0
FXRSET	031667	LAD	0
G#LN-1	000357	EQU	0
G#N	024543	LAD	0
G#N+NN	024642	LAD	0
G/A	011606	LAD	0
G012N	024707	LAD	0
G01N	024726	LAD	0
G01N	024744	LAD	0
G12OR4	024772	LAD	0
G1OR2N	024761	LAD	0
GBASE	010340	EQU	0
GCOIG	021705	LAD	0
GCHAR	021636	LAD	0
GCHAR-	074546	LAD	0
GCLR++	062323	LAD	0
GEXALL	040001	LAD	0
GEXBIN	057425	LAD	0
GEXDAL	047123	LAD	0
GEXDCO	032161	LAD	0
GEXGFS	060000	LAD	0

SYMBOL	VALUE	TYPE	COUNT
GENGFX	020001	LAD	0
GENGFZ	015134	LAD	0
GENMA	060000	LAD	0
GENRA	060000	LAD	0
GENHR2	077155	LAD	0
GENHRK	051732	LAD	0
GENINI	017447	LAD	0
GENKH5	066207	LAD	0
GENKHY	012176	LAD	0
GENLCY	000000	LAD	0
GENLNE	031001	LAD	0
GENMOV	057172	LAD	0
GENNM3	066761	LAD	0
GENNMK	017106	LAD	0
GENTAP	050373	LAD	0
GENTRA	036423	LAD	0
GENWC2	076677	LAD	0
GENWC3	037679	LAD	0
GENWCS	037934	LAD	0
GENZZK	076033	LAD	0
GENINI	104157	LCL	0
GET1	003667	LAD	0
GET#1	050702	LAD	0
GET#1+	050725	LAD	0
GET#N?	025002	LAD	0
GET1	023450	LAD	0
GET1#	024676	LAD	0
GET1N	024557	LAD	0
GET2N	024630	LAD	0
GET#N	024635	LAD	0
GETBU1	051340	LAD	0
GETCM?	023510	LAD	0
GETCMA	023477	LAD	0
GETCNT	051502	LAD	0
GETDAT	067577	LAD	0
GETHEM	003279	LAD	0
GETHAM	050551	LAD	0
GETNXT	032415	LAD	0
GETPA?	024740	LAD	0
GETPAR	024562	LAD	0
GETST-	024661	LAD	0
GLTP	024656	LAD	0
GINTDS	177401	LAD	0
GINTEN	177400	LAD	0
GLINE	104740	LCL	0
GLH/LB	030344	LAD	0
GNAM	103515	LCL	0
GNAM+5	103522	LCL	0
GORTN	000730	LAD	0
GOTOSU	030317	LAD	0
GR#.	003614	LAD	0
GR.	062705	LAD	0
GRAFA.	012624	LAD	0
GRAFIN	071256	LAD	0

SYMBOL	VALUE	TYPE	COUNT
GRAPH	012560	DAD	0
GRAPH+	012724	DAD	0
GRAPH.	012574	DAD	0
GRINI+	062142	DAD	0
GRINIT	062066	DAD	0
GRCALF	062757	DAD	0
GSIZE	104742	LCL	0
GST21	177779	DAD	0
GSUB.	003050	DAD	0
GTOLBL	002766	DAD	0
HDISP	105131	LCL	0
HDISPX	105131	LCL	0
HDISPY	105141	LCL	0
HEADCT	103622	LCL	0
HLFLIN	014110	DAD	0
HMCURS	013661	DAD	0
I#PU45	032062	DAD	0
I#PUSH	061375	DAD	0
ICONST	061361	DAD	0
ICOS	977254	DAD	0
IDENT	021171	DAD	0
IF	027575	DAD	0
I#EN	000120	EQU	0
ILET	027336	DAD	0
IMADR	101779	LCL	0
IMLEN	101766	LCL	0
IMERR	103724	LCL	0
IMSADR	101763	LCL	0
IMSLEN	101761	LCL	0
IMWADR	101773	LCL	0
INB+10	100246	LCL	0
INCHR	014262	DAD	0
INCRA	101732	LCL	0
INCRB	101735	LCL	0
INCRC	101777	LCL	0
INFR10	054321	DAD	0
INFR1	054616	DAD	0
INFR3	054540	DAD	0
INFR4	054543	DAD	0
INGRAF	071660	DAD	0
INIEND	042444	DAD	0
I#B	017274	DAD	0
INIPGM	047079	DAD	0
INIT.	001241	DAD	0
INITI.	062134	DAD	0
INIVAR	042342	DAD	0
INIVLP	042362	DAD	0
INPS+2	100240	LCL	0
INPS-3	100233	LCL	0
INPBUF	100236	LCL	0
INPCOM	100167	LCL	0
INPR10	101717	LCL	0
INPTOS	100204	LCL	0
INPTR	101143	LCL	0

SYMBOL	VALUE	TYPE	COUNT
INPOS.	016434	LAD	0
INFEUN.	016611	LAD	0
INT	026577	LAD	0
INT.	016314	LAD	0
INSERT	000133	EQU	0
INSRPL	011733	LAD	0
INT	044514	LAD	0
INTS	054572	LAD	0
INTCON	061371	LAD	0
INTOIV	054601	LAD	0
INTEGR	021331	LAD	0
INTFRA	054535	LAD	0
INTHUL	053673	LAD	0
INTORL	057125	LAD	0
INTRP-	102072	LCL	0
INTRP6	102074	LCL	0
INTRSC	177500	LAD	0
IOBASE	103414	LCL	0
IOBITS	101140	LCL	0
IODATA	177422	LAD	0
IOINTC	177421	LAD	0
IO	103652	LCL	0
IOSTAT	177420	LAD	0
IOSM	100163	LCL	0
IOTRF+	103646	LCL	0
IOTRFC	103643	LCL	0
IP3	055002	LAD	0
IP5	054779	LAD	0
IPRIN	101675	LCL	0
IEN	000040	EQU	0
IRW20	103742	LCL	0
IRQ20+	103751	LCL	0
IRQPAD	103757	LCL	0
IRQPTH	103760	LCL	0
ISCOM	075641	LAD	0
ISIN	077244	LAD	0
ITAN	077264	LAD	0
JATAB	040210	LAD	0
JFALSR	003026	LAD	0
JMPADR	104167	LCL	0
JMPB	002721	LAD	0
JMPEN#	002774	LAD	0
JMPREL	002703	LAD	0
JMPSUB	003056	LAD	0
JTRUE#	002651	LAD	0
KBDBFE	102507	LCL	0
KBDBUF	102379	LCL	0
KBDIN	102364	LCL	0
KBDOUT	102366	LCL	0
KCLR	071015	LAD	0
KCLR-	070634	LAD	0
KEYCNT	100153	LCL	0
KEYCOD	177403	LAD	0
KEYHIT	101142	LCL	0

```

=====
ARMA 03/14/81=====
SYMBOL  VALUE      TYPE      COUNT      Symbol Table      9/14/1981  4:26 PM  PG 48
=====
EYLA.    013360      CAD      0
EYSRV    014302      CAD      0
EYTS     177402      CAD      0
EYTAB    102016      LCL      0
ERPET1   100154      LCL      0
ERPET2   100155      LCL      0
EYIDLE   103677      LCL      0
LP       012310      CAD      0
LABLNG   105117      LCL      0
LABTK?   047525      CAD      0
LAST+1   100476      LCL      0
LAST-1   100474      LCL      0
LAST10   100464      LCL      0
LASTIN   100475      LCL      0
LAVAIL   100025      LCL      0
LAXH     105322      LCL      0
LAXHY    105321      LCL      0
LBADDR   105121      LCL      0
LBLEN    105117      LCL      0
LBLEFLG  105116      LCL      0
LBRACK   000133      EQU      0
L+       057425      CAD      0
LOFALT   000074      EQU      0
LOFLTR   100156      LCL      0
LOFNSH   037177      CAD      0
LEGCA2   101525      LCL      0
LEGCAL   101405      LCL      0
LEGDUN   070673      CAD      0
LEGEND2  101265      LCL      0
LEGEND   101145      LCL      0
LEN.     003700      CAD      0
LENCHK   051024      CAD      0
LEQS.    003656      CAD      0
LET      027343      CAD      0
LF       000012      EQU      0
LINE1?   013311      CAD      0
LINEDR   031223      CAD      0
LINELN   101714      LCL      0
LIST.    006352      CAD      0
LISTCT   100200      LCL      0
LTTGO    006355      CAD      0
LLCOM    100050      LCL      0
LLN-1    104231      LCL      0
LLN-2    104233      LCL      0
LN20     051732      CAD      0
LN22     051740      CAD      0
LN30     052030      CAD      0
LN32     052036      CAD      0
LN38     052004      CAD      0
LN5      052346      CAD      0
LNTYPE   104750      LCL      0
LOADAD   102012      LCL      0
LOADCB%  063711      CAD      0
LOADB1   057701      CAD      0

```

SYMBOL	VALUE	TYPE	COUNT	Symbol Table	9/14/1981	4:26 PM	PG 40
LOGTS	052515	CAD	0				
LOOKVL	102716	LCL	0				
LOGINT	051716	CAD	0				
LOGIT	006445	CAD	0				
LOGTBUF	103200	LCL	0				
LOGTDAT	101650	LCL	0				
LOGTOIR	103556	LCL	0				
LOGT	003635	CAD	0				
LOGCUR	013623	CAD	0				
LOGCURS	013757	CAD	0				
LOGTYPE#	104537	LCL	0				
LOGMEM	100041	LCL	0				
LOGABS	066113	CAD	0				
LOGPCR1	066057	CAD	0				
LOGPKY	062614	CAD	0				
LOGSSS	064233	CAD	0				
LOGMATCH?	043711	CAD	0				
LOGX10	056144	CAD	0				
LOGBASE	103424	LCL	0				
LOGANSQ	102726	LCL	0				
LOGIN10	056125	CAD	0				
LOGINUS	000052	EQU	0				
LOGL	101716	LCL	0				
LOGLAD	177424	CAD	0				
LOGD	014216	CAD	0				
LOGD10	052541	CAD	0				
LOGDADR	013255	CAD	0				
LOGDE	104225	LCL	0				
LOGV40	062340	CAD	0				
LOGERS	013771	CAD	0				
LOGVDN	057172	CAD	0				
LOGVDN+	057176	CAD	0				
LOGVE	037062	CAD	0				
LOGVUP	057232	CAD	0				
LOGPY10	053357	CAD	0				
LOGPY28	053364	CAD	0				
LOGPY30	053367	CAD	0				
LOGPYR	053536	CAD	0				
LOGPYROI	053517	CAD	0				
LOGSBASE	103412	LCL	0				
LOGSCAT	061414	CAD	0				
LOGS	065176	CAD	0				
LOGSERR+	070625	CAD	0				
LOGSHIGH	103764	LCL	0				
LOGSIN	070652	CAD	0				
LOGSLOD	063600	CAD	0				
LOGSLOW	103773	LCL	0				
LOGSPRNT	066221	CAD	0				
LOGSPTR	103437	LCL	0				
LOGSPUR	064604	CAD	0				
LOGSTEMP	103626	LCL	0				
LOGSTIME	104002	LCL	0				
LOGTEMP	101737	LCL	0				
LOGTFLAG	100200	LCL	0				

SYMBOL	VALUE	TYPE	COUNT
ALOP	033429	CAD	0
AMEOK	971004	CAD	0
AME+	023461	CAD	0
AMEF	023465	CAD	0
BSROM	101662	LCL	0
BUFF	102579	LCL	0
BEXT	030233	CAD	0
BEXT.	970147	CAD	0
BEXTD	947234	CAD	0
BFR	054676	CAD	0
BFR5	054705	CAD	0
NO.BLK	006704	CAD	0
NO.CRS	011643	CAD	0
NONSTD	103402	LCL	0
NORMA.	002479	CAD	0
ROSTRK	105124	LCL	0
RPTC+5	051305	CAD	0
RUN.	003714	CAD	0
NUMBER	021400	CAD	0
RUNCON	023551	CAD	0
RUNEX+	022652	CAD	0
RUNREP	023607	CAD	0
NUMA+	022403	CAD	0
RUNVAL	022406	CAD	0
NXTBUF	101653	LCL	0
NXTCON	100011	LCL	0
NXTDA+	101650	LCL	0
NXTDAT	101645	LCL	0
NXTLIN	050144	CAD	0
NXTHEM	100022	LCL	0
NXTONE	040045	CAD	0
NXTRTH	100036	LCL	0
GBFCK	974075	CAD	0
QCTER#	103629	LCL	0
OFFER.	971112	CAD	0
QFKEY#	025060	CAD	0
QFKEY.	970734	CAD	0
QFTIN.	066721	CAD	0
OLDPCR	101657	LCL	0
OLDSEG	100173	LCL	0
OLDTOS	101746	LCL	0
Q	030255	CAD	0
QNT.	971121	CAD	0
QNT?I	062560	CAD	0
QNT?R	062564	CAD	0
QNCCLK1	066447	CAD	0
QNCCLK2	066523	CAD	0
QNCCLK3	066531	CAD	0
QNEB	012153	CAD	0
QNEB+	012150	CAD	0
QNEBCN	050640	CAD	0
QNEI	056736	CAD	0
QNEIRR	102646	LCL	0
QNER	056777	CAD	0

```

=====
ARDA 03/14/81=====
SYMBOL  VALUE      TYPE      COUNT      Symbol Table      3/14/1981  4:26 PM  PG 51
=====
DNER+    057002      LAD       0
DNER01   057035      LAD       0
DERR     071072      LAD       0
DRO      025140      LAD       0
DNER     056673      LAD       0
DNER+    056677      LAD       0
DNFLAG   100065      LCL       0
DNFLG    101100      LCL       0
DNKEY#    025075      LAD       0
DNKEY     070430      LAD       0
DNTIM     066540      LAD       0
DNTIME    025079      LAD       0
OPEN      000050      EQU       0
OPTB      105346      LCL       0
OPTBAS    100175      LCL       0
OPTIO     044571      LAD       0
OPTION    025017      LAD       0
ORDER4    062723      LAD       0
OUTCHI    014130      LAD       0
OUTCHR    014143      LAD       0
OUTLR     066472      LAD       0
OUTPTR    100171      LCL       0
OUT++     014057      LAD       0
OUTST+    014054      LAD       0
OUTSTR    014029      LAD       0
OVF10     054430      LAD       0
P.BUFF    101706      LCL       0
P.COMC    000011      EQU       0
P.COMG    000012      EQU       0
P.DAC     000015      EQU       0
P.UTAG    000020      EQU       0
P.DTLC    000013      EQU       0
P.DTLG    000015      EQU       0
P.FCNC    000021      EQU       0
P.FCNG    000026      EQU       0
P.FIRC    000033      EQU       0
P.FIRG    000044      EQU       0
P.FLAG    101712      LCL       0
P.GCNG    000027      EQU       0
P.GOC     000030      EQU       0
P.GOG     000040      EQU       0
P.GN      000007      EQU       0
P.HRS     020317      LAD       0
P.PTR     101710      LCL       0
P.RMEC    000017      EQU       0
P.RNEG    000023      EQU       0
P.SCOG    000026      EQU       0
P.SCOG    000033      EQU       0
P.SFLC    000025      EQU       0
P.SFLG    000032      EQU       0
P.TYPE    000006      EQU       0
PADKBD    006331      LAD       0
PAGES     012756      LAD       0
PAGES3    013152      LAD       0

```

PARAMS	103564	LCL	0				
PARPRM	025463	DAD	0				
PARSER	020001	DAD	0				
PAUSE	001340	DAD	0				
PCHTRL	104531	LCL	0				
PCR	101115	LCL	0				
PEN#	104535	LCL	0				
PENDTH	051673	DAD	0				
PENDN	104526	LCL	0				
PENUP	064357	DAD	0				
PEOL	071577	DAD	0				
PERCTR	102656	LCL	0				
PERIOD	000056	EQU	0				
PERNUM	102666	LCL	0				
PGMOPT	104214	LCL	0				
PGSIZE	104227	LCL	0				
PI10	054374	DAD	0				
PLHOOK	103661	LCL	0				
PLIST	006344	DAD	0				
PLCTR#	104533	LCL	0				
PLOTSY	100151	LCL	0				
PLUS	000053	EQU	0				
PLC	017471	DAD	0				
POS	004227	DAD	0				
POSLP	033402	DAD	0				
POURON	000026	DAD	0				
PPINT	051702	DAD	0				
PPOLL	177423	DAD	0				
PRADDR	061454	DAD	0				
PRALL	017531	DAD	0				
PRALLM	100161	LCL	0				
PRAR#C	037612	DAD	0				
PRARRC	037477	DAD	0				
PRATIO	105014	LCL	0				
PRDRV	073023	DAD	0				
PRDVF+	103550	LCL	0				
PRDVEG	103547	LCL	0				
PRDVR1	017664	DAD	0				
PRDVR2	017641	DAD	0				
PRFLAG	101120	LCL	0				
PRIN.+	071336	DAD	0				
PR	027105	DAD	0				
PRINT.	071332	DAD	0				
PRLIN2	071717	DAD	0				
PRLINE	071641	DAD	0				
PRHFMT	071379	DAD	0				
PRNTLN	101137	LCL	0				
PRNTR.	075631	DAD	0				
PRSIDL	103733	LCL	0				
PRSTR+	066671	DAD	0				
PRTBUF	107454	LCL	0				
PRTPTR	100062	LCL	0				
PS.C+7	100231	LCL	0				
PS.C.	100222	LCL	0				

PSHEND	005561	DAD	0
PSRTH	020121	DAD	0
PTRDX	104235	LCL	0
P	177710	DAD	0
PTR1+	177712	DAD	0
PTR1-	177711	DAD	0
PTR1++	177713	DAD	0
PTR2	177714	DAD	0
PTR2+	177716	DAD	0
PTR2-	177715	DAD	0
PTR2++	177717	DAD	0
PTRADR	103623	LCL	0
PU=	035342	DAD	0
PUMRK	033060	DAD	0
PUMKR	033052	DAD	0
PUSC	017447	DAD	0
PUSH1A	024441	DAD	0
PUSH45	024465	DAD	0
PWQ	077007	DAD	0
PMARK	000077	EQU	0
QUOTE	000042	EQU	0
R#COM+	051247	DAD	0
R#IN	051244	DAD	0
R#FILE	101673	LCL	0
R1.	063442	DAD	0
R60+10	060010	DAD	0
R60+12	060012	DAD	0
R60+14	060014	DAD	0
R60+2	060002	DAD	0
R#4	060004	DAD	0
R60+6	060006	DAD	0
R60K	060000	DAD	0
R6LIM1	102530	LCL	0
R6LIM2	102510	LCL	0
RAD10	054472	DAD	0
RAGAIN	030630	DAD	0
RAID+1	103307	LCL	0
RAID+2	103310	LCL	0
RAIDSB	103306	LCL	0
RANDOM	100177	LCL	0
RBRACK	000135	EQU	0
R#VC	037540	DAD	0
RDARRC	037426	DAD	0
RDARRX	037373	DAD	0
RDARX+	037400	DAD	0
RDSTR.	067314	DAD	0
READ	026747	DAD	0
READ.	076143	DAD	0
READN.	076152	DAD	0
READS.	076157	DAD	0
REAL	044510	DAD	0
RECBUF	102600	LCL	0
REFNUM	027530	DAD	0
REGJSB	006254	DAD	0

```

=====
ARNA 03/14/81=====
SYMBOL  VALUE      TYPE      COUNT      Symbol Table      9/14/1981  4:26 PM  PG 54
=====
RELJMP  040279      CAD      0
RELMEM  031777      CAD      0
RELWK   067644      CAD      0
REM     024217      CAD      0
REM10   052533      CAD      0
RENUM.  030564      CAD      0
REP.1   007424      CAD      0
REP.1B  007401      CAD      0
REPLTK  037336      CAD      0
REFORT  007277      CAD      0
RESDAT  104060      LCL      0
RESEND  104161      LCL      0
RESET.  005407      CAD      0
RESFIL  017106      CAD      0
RESFLI  017113      CAD      0
RESMEM  031741      CAD      0
RETHK   067651      CAD      0
RESTL.  076010      CAD      0
RESTO.  076024      CAD      0
RESTOR  026724      CAD      0
RESUL.  032122      CAD      0
RESULT  100079      LCL      0
PETAHA  013214      CAD      0
PSTRHI  013234      CAD      0
PSTRH.  003357      CAD      0
PM+SET  017122      CAD      0
PMEM    105343      LCL      0
PMIDLE  103706      LCL      0
RND10   053741      CAD      0
RNDINI  055704      CAD      0
RNDIZ.  055713      CAD      0
RNDSET  055733      CAD      0
ROM:GO  006147      CAD      0
ROMCL-  040023      CAD      0
ROMCLA  040014      CAD      0
ROMEND  104145      LCL      0
ROMFL   104065      LCL      0
ROMINI  006055      CAD      0
ROMJS-  006305      CAD      0
ROMJSB  006223      CAD      0
ROM-ST  104143      LCL      0
RL-THN  006207      CAD      0
ROMTAB  104105      LCL      0
ROHF    054673      CAD      0
ROU10   055761      CAD      0
ROUND   074644      CAD      0
RSELEC  177430      CAD      0
RSETG-  005733      CAD      0
RSETGO  005700      CAD      0
RSMEM-  031741      CAD      0
RSPTRS  037740      CAD      0
RSTAR   100171      LCL      0
RSTART  014325      CAD      0
RSTO..  075734      CAD      0

```

SMBOL	VALUE	TYPE	COUNT	Symbol Table	9/14/1981	4:26 PM	PG 55
STREG	022346	DAD	0				
SUM#K	037674	DAD	0				
PMNSK	037679	DAD	0				
R	013651	DAD	0				
RTCURS	013765	DAD	0				
PTHSTK	100933	LCL	0				
RTOIN	045001	DAD	0				
PULITE	177704	DAD	0				
QUN.	001074	DAD	0				
SHDR	070046	DAD	0				
SIO	103367	LCL	0				
SAD1	013723	DAD	0				
SAV10	103210	LCL	0				
SAV12	103212	LCL	0				
SAVACM	037646	DAD	0				
SAVE26	103612	LCL	0				
SAVER6	104066	LCL	0				
SAVLAV	104164	LCL	0				
SAVHAM	101731	LCL	0				
SAVHM2	101676	LCL	0				
SAVFC	104151	LCL	0				
SAVPT2	104154	LCL	0				
S +1	103300	LCL	0				
SAVR0	103200	LCL	0				
SAVR10	104062	LCL	0				
SAVR12	100202	LCL	0				
SAVR2	103202	LCL	0				
SAVR4	103204	LCL	0				
SAVR53	103253	LCL	0				
S)57	103257	LCL	0				
SAVR6	103206	LCL	0				
SAVR72	103272	LCL	0				
SAVR74	103274	LCL	0				
SAVREG	022310	DAD	0				
SBROI+	052727	DAD	0				
SBYTE	051115	DAD	0				
SC10+1	177540	DAD	0				
SCAN	021110	DAD	0				
SCAN+	021105	DAD	0				
SCANLX	073553	DAD	0				
SCNST	033110	DAD	0				
S ST	062071	DAD	0				
SCRY??	014067	DAD	0				
SCRA.-	005607	DAD	0				
SCRAST	005604	DAD	0				
SCRAT+	005424	DAD	0				
SCRAT.	005601	DAD	0				
SCRBLK	014074	DAD	0				
SCRDH	013671	DAD	0				
SCRT++	005454	DAD	0				
SCRTYP	101731	LCL	0				
SCRUP	013736	DAD	0				
SCT+6	101727	LCL	0				
SCT+7	101730	LCL	0				

ACTBL	007112	CAD	0
ACTEMP	101721	LCL	0
ACTP4	101725	LCL	0
SEC4	100174	LCL	0
SEC10	054268	CAD	0
SECNA+	051279	CAD	0
SECUR+	051326	CAD	0
SECUR?	031024	CAD	0
SECURN	100200	LCL	0
SEMI	000047	EQU	0
SEMIC\$	072155	CAD	0
SEMIC.	072274	CAD	0
SENOCR	074160	CAD	0
SEP10	056034	CAD	0
SEP15	056030	CAD	0
SEP20	056001	CAD	0
SEGN0+	030422	CAD	0
SERPOL	177425	CAD	0
SET240	021071	CAD	0
SETCC-	075221	CAD	0
SETF#	050756	CAD	0
SETER	051132	CAD	0
SEVPT	044540	CAD	0
SETTR1	002637	CAD	0
SEVEN	000007	EQU	0
SFKINI	017156	CAD	0
SFKYDF	100164	LCL	0
SGN5	054202	CAD	0
SHF10	052474	CAD	0
SHORT	044521	CAD	0
SHRONF	054679	CAD	0
SIN10	054343	CAD	0
SINLD	105046	LCL	0
SINPD	105056	LCL	0
SIX	000006	EQU	0
SKIP1	033122	CAD	0
SKIPL	047367	CAD	0
SKP2NA	043521	CAD	0
SKPANM	047705	CAD	0
SKPBYT	033134	CAD	0
SKCON	050304	CAD	0
SKDEF	062452	CAD	0
SKPLN	062362	CAD	0
SKPLN2	032276	CAD	0
SKPNAM	032276	CAD	0
SKPNM+	033127	CAD	0
SKPNM1	033126	CAD	0
SKPRS	047722	CAD	0
SKPVR	041026	CAD	0
SKYTXT	106610	LCL	0
SLASH	000057	EQU	0
SMLINT	023557	CAD	0
SPAR#	103614	LCL	0
SPAR0	104011	LCL	0

SPAR1	104022	LCL	0
SPEC2	011102	CAD	0
IF	103527	LCL	0
11	103300	LCL	0
SPTR2	103302	LCL	0
SQR30	053264	CAD	0
SQR5	053237	CAD	0
SRCHTK	070335	CAD	0
SRCMSU	103602	LCL	0
SRCORC	103570	LCL	0
ST240+	021067	CAD	0
ST240-	021071	CAD	0
STACK	102079	LCL	0
STACK2	102072	LCL	0
STACKX	057323	CAD	0
STAK1	102077	LCL	0
STAR	000052	EQU	0
START	101676	LCL	0
STARTX	000026	CAD	0
STBEEP	010441	CAD	0
STEP.	067275	CAD	0
STTK.	001571	CAD	0
STIME.	066263	CAD	0
STOP.	001276	CAD	0
STORI	042550	CAD	0
STORBX	062716	CAD	0
STORBX	062673	CAD	0
STOST	046472	CAD	0
STOSTA	046657	CAD	0
STM	046471	CAD	0
STUSV	046057	CAD	0
STOSVN	046056	CAD	0
STRANG	103715	LCL	0
STREX+	023721	CAD	0
STREXP	023724	CAD	0
STRIND	061536	CAD	0
STRKAD	105125	LCL	0
STRNG?	100173	LCL	0
STROK	076033	CAD	0
STRREF	024056	CAD	0
STSIZE	101741	LCL	0
STZO	052734	CAD	0
SUBIL	052757	CAD	0
SUBROI	052724	CAD	0
SUBSCR	035246	CAD	0
SVCMRD	100162	LCL	0
SVPTRS	037717	CAD	0
SVSPRS	020514	CAD	0
SVSTAB	104213	LCL	0
TAB.	015017	CAD	0
TAKEHK	067301	CAD	0
TANH0	054367	CAD	0
TANSL	105106	LCL	0
TAPDS+	070726	CAD	0

TYIN	025010	SAD	0
TOTAL0	030753	SAD	0
TF0	101706	LCL	0
TF1	101710	LCL	0
TSTBF2	101712	LCL	0
TSTBF3	101714	LCL	0
TSTBUF	101676	LCL	0
TSTEN+	032101	SAD	0
TSTEND	032102	SAD	0
TU02	056760	SAD	0
TU0R	057026	SAD	0
TU0ROI	057050	SAD	0
TU0SEP	056023	SAD	0
TU0X	062221	SAD	0
TU0X0	062227	SAD	0
TYPA	101731	LCL	0
TYPS	101734	LCL	0
TYPC	101776	LCL	0
TYPSM	025422	SAD	0
ULIN#.	972046	SAD	0
UNE0#.	003603	SAD	0
UNOT	024366	SAD	0
UNAK	034672	SAD	0
UPC5.	004142	SAD	0
UPCUR.	013562	SAD	0
UPCURS	013743	SAD	0
USED?	100173	LCL	0
USER	105127	LCL	0
USING.	972007	SAD	0
UG?	100664	LCL	0
USHL.	972032	SAD	0
UT210	056073	SAD	0
VAL#.	003779	SAD	0
VAL.	004029	SAD	0
VDISP	105151	LCL	0
VDISPK	105151	LCL	0
VDISPY	105161	LCL	0
VECTR.	007071	SAD	0
VLHED2	017760	SAD	0
VOLHED	017752	SAD	0
VAPCH	040704	SAD	0
V.	066371	SAD	0
VARN	007724	SAD	0
VREOR	051202	SAD	0
VKK-1)	102002	LCL	0
VAGU	104242	LCL	0
VAMM	104342	LCL	0
VABU	104302	LCL	0
VABU	104252	LCL	0
VAMM	104352	LCL	0
VABU	104312	LCL	0
VCBIT3	000314	SAD	0
VCURS	104442	LCL	0
VEND	105201	LCL	0

SYMBOL	VALUE	TYPE	COUNT	Symbol Table	9/14/1981	4:26 PM	PG 60
GA1	061755	CAD	0				
H1	104540	LCL	0				
INTR	104550	LCL	0				
LORG	105262	LCL	0				
LPEN	105025	LCL	0				
M1	106550	LCL	0				
M2	104700	LCL	0				
MAJOR	104710	LCL	0				
MAP	105231	LCL	0				
MAP	105323	LCL	0				
MORG	104422	LCL	0				
OPEN	104402	LCL	0				
PS1	104600	LCL	0				
PS2	104610	LCL	0				
SPAC	105211	LCL	0				
START	105171	LCL	0				
V1	104640	LCL	0				
V2	104650	LCL	0				
WORG	106570	LCL	0				
WGU	104262	LCL	0				
WMM	104362	LCL	0				
WMM	104322	LCL	0				
WMM	104272	LCL	0				
WMM	104372	LCL	0				
WUU	104332	LCL	0				
WURS	104452	LCL	0				
WEND	105243	LCL	0				
W1	104560	LCL	0				
W2	104570	LCL	0				
WINTR	105221	LCL	0				
WORG	105024	LCL	0				
WLPEN	106560	LCL	0				
W1	104720	LCL	0				
W2	104730	LCL	0				
WMAJOR	105273	LCL	0				
WMAP	105333	LCL	0				
WAPT	100200	LCL	0				
WAPT+	100201	LCL	0				
WORG	104432	LCL	0				
WPEN	104412	LCL	0				
W1	104620	LCL	0				
W1	104630	LCL	0				
WSPAC	105253	LCL	0				
WSTART	105233	LCL	0				
WXS	054037	CAD	0				
W1	104660	LCL	0				
W2	104670	LCL	0				
WORG	106600	LCL	0				
ZERO	102012	LCL	0				
ZERO1-	044767	CAD	0				
ZERO10	044756	CAD	0				
ZERO11	044760	CAD	0				
ZERO	000000	CAD	0				
ZERO11	057406	CAD	0				

COUNT

0

0

0

455
LOC 0
OTL

1 000000
2 000000
3 000000
4 000000
5 000000
6 000000
7 000000
8 000000
9 000000
10 000000
11 000000
12 000000
13 000000
14 000000
15 000000
16 000000
17 000000
18 000000
19 000000
20 000000
21 000000
22 000000
23 000000
24 000000
25 000000
26 000000
27 000000
28 000000
29 000000
30 000000
31 000000
32 000000
33 000000
34 000000
35 000000
36 000000

* PAGE	CONTENTS
* 2	Interrupt Vectors
* 3	Entry Points
* 4	Executive Loop
* 9	INTERPRETER
* 11	RUN, INIT STATEMENTS
* 12	STOP STATEMENT
* 14	DISPLAY TOP OF STACK
* 15	RUNTIME TRACE ROUTINE
* 19	JUMP SUBROUTINE, RETURN
* 22	STRING COMPARE SUBROUTINES
* 23	STRING COMPARE RUNTIME ROUTINES
* 24	RUNTIME CHR\$, LEN, NUM ROUTINES
* 25	RUNTIME VAL\$, VAL, UPC\$
* 27	RUNTIME POS ROUTINE
* 28	CONBIN - BINARY TO FLOATING
* 29	SYSTEM INIT
* 35	ROM INITIALIZE
* 36	ROM RUNTIME, ROMJSB, ROMJMP, ROMRTN
* 38	LIST STATEMENT
* 41	PRINT, LIST, DISPLAY VECTORS
* 43	PRINT PARSE ERRORS
* 44	REPORT ERROR MESSAGES
* 47	REPORT WARNING ERROR
* 48	ERROR ROUTINE
* 50	ERRL, ERRN
* 50	BEEP BEEP BEEP BEEP
* 52	CHARACTER EDITOR
* 56	CARRIAGE RETURN KEY
* 58	CHARACTER EDITOR OTHER KEYS
* 59	INSERT/REPLACE AND DELETE
* 60	SPECIAL CHARACTER TABLE
* 61	EXTERNALS

HEADING	Table of Contents	PAGE	9/14/1981	PG 62
** GEMINI ** GLOBAL FILE		1		
RESET INITIALIZATION		2		
RESET, POWER ON INIT		3		
RESET ON , TEMPORARYS		4		
***** R6 STACK *****		6		
CPU REGISTER SAVE AREA (103200 - 103277)		7		
MOVED FROM AFTER LINE 163		9		
ADDITIONS FOR GEMINI		10		
CRT STORAGE SPACE		11		
CRT GRAPHICS SECTION SYMBOLS		12		
GRAPHICS SECTION FLAG		14		
GRAPHICS LIMITS		15		
LINE TYPE		16		
GRAPHICS SYMBOLS		17		
CONSTANTS - ADDRESSES		19		
SYSTEM DAD's		23		

DEGLB HAD 0 ERRORS 0 WARNINGS 1299 LABELS LAST ERROR AT 0