

```

>>>>      MASS STORAGE EXCESS      <<<<<<<<
000000
6 000000      BINMOV BSS 0
7 000000 134 251 073      LD1 R34,=BINBAS      BINARY TABLE BASE
7 000003 210
8 000004 145 250 005      LD3 R45,=5      5 ENTRIES
9 000007      BINSCN BSS 0
10 000007 136 034 341      PCMD R36,+R34      ENTRY =0
11 000012 367 010      JZR MOVE      JIF YES FOUND EMPTY SLOT
12 000014 145 212      DCB R45      TABLE FILLED ALREADY?
13 000016 266 367      JNZ BINSCN      JIF NO
14 000020 316 377 377      JSE =MSERR+      REPORT ERROR
15 000023 031      OCT 250
16 000024      MOVE BSS 0
17 000024 136 006 343      PCMD R36,-R6      POP RETURN ADDRESS
18 000027 155 223      CL1 R55
19 000031 156 210      ICB R56      RESERVE 256 BYTES FOR LISTING
20 000033 316 377 377      JSE =RSMEM-
21 000036 370 100      JEH ERROUT      RTN TO SYSTEM IF NOT ENOUGH R
22 000040 145 261 310      LDMD R45,=PTR1      SAVE PRGPM POINTER
23 000043 377
24 000044 006 345      PUMD R45,+R6
25 000046 116 220      TSB R16      CALC MODE OR PRGM?
26 000050 145      DRP 45
27 000051 362 005      JOD CALMOD      CALC MODE
28 000053 261 022 200      LDMD R45,=NXTMEM      PRGM DATA SINK
29 000056 260 003      JMF DECSTP
30 000060      CALMOD DRP 145
31 000060 261 154 210      LDMD R45,=SAVPT2      DATA SINK
32 000063      DECSTP DRP 145
33 000063 213      DCM R45      DON'T OVERWRITE COMMO
34 000064 263 314 377      STND R#,,=PTR2
35 000067 261 025 200      LDMD R#,,=LAVAIL      DATA SOURCE
36 000072 263 310 377      STND R#,,=PTR1
37 000075 325 041 200      SBMD R#,,=LWAMEM      # OF BYTES MOVED
38 000100 006 345      PUMD R#,,+R6      SAVE FOR LATER
39 000102 316 377 377      JSE =EMOYUP      DO MOVE
40 000105 155 261 314      LDMD R55,=PTR2
41 000110 377
42 000111 006 345      PUMD R#,,+R6      SAVE FOR LATER (SOURCE)
43 000113 311 000 377      CHM R#,,=0,377,0      LST MEM ELEM BIN USES+1
44 000116 000
45 000117 372 004      JNC HXT
46 000121 251 000 377      LD1 R#,,=0,377,0      LOAD HIGHEST ADDRESS
47 000124 000
48 000125      HXT DRP 155
49 000125      ARP 16
50 000125 263 250 203      STND R55,=LSTDAT
51 000130 134 345      PUMD R34,+R6      SAVE BIN TABLE ADDR
52 000132 136 345      PUMD R36,+R6      RESTORE RETURN ADDRESS
53 000134 155 261 041      LDMD R55,=LWAMEM
54 000137 200
55 000140 236      ERROUT RTN
  
```

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>>>> BASIC LOAD FINISH <<<<<<<<
000141 LDFNSH ESS 0
53 000141 117 310 300 CMB R17,=300
54 000144 373 033 JCY LDCOM+
55 000146 145 261 006 LDMD R45,=FWCURR
55 000151 200
56 000152 315 006 000 EBM R45,=6,0,0 GET PRGM TYPE
56 000155 000
57 000156 263 310 377 STMD R45,=PTR1
58 000161 147 270 311 LDBI R47,=PTR1-
59 000164 377
59 000165 317 020 ANM R47,=20
60 000167 766 003 JNZ LDCOMN
61 000171 316 377 377 JSB =TRANS DEALLOCATE CAPR PGRM
62 000174 * AND ALLOCATE AS GEMINI
63 000174 LDCOMN ESS 0 BASIC LOAD CLEANUP
64 000174 117 310 300 CMB R17,=300 ERRORS?
65 000177 372 014 JNC LOADOK JIF NO
66 000201 147 260 331 LDCOM+ LDBD R47,=SCRATYP SCRATCH TYPE?
67 000204 203
68 000205 367 006 JZR LOADOK JIF NO
68 000207 316 377 377 JSB =SCRAT+ SCRATCH PROGRAM
69 000212 316 377 377 JSB =RSETGO RESET
70 000215 LOADOK ESS 0
71 000215 155 261 022 LDMD R55,=NXTMEM
71 000220 200
72 000221 263 017 200 STMD R55,=EOVAR
3 000224 263 014 200 STMD R55,=BOVAR
4 000227 336 RTN
  
```

ITEM	LOC	OBJECT CODE	SRC	OBJ	SEARCH	
7	000230				BSS 0	))))
77	000230	155 223			CLM R55	))))
73	000232	250 005			LDB R55,=5	))))
79	000234	134 251 073			LDM R34,=BINBAS	))))
79	000237	210				))))
80	000240	136 034 341	POPNAM	POMD R36,+R34	LOAD ADDRESS	))))
91	000243	367 027		JZR STERR	ERROR IF NO BINARY	))))
92	000245	143 036 265		LDMD R43,X36,FHAMB	LOAD BINARY NAME	))))
92	000250	010 000				))))
93	000252	321 103 207		CMMD R43,=FNAM	ARE THEY THE SAME?	))))
94	000255	366 011		JNZ DEC45	NO DECREMENT COUNTER	))))
85	000257	265 015 000		LDMD R43,X36,FNAMB5		))))
86	000262	321 110 207		CMMD R43,=FNAM+5	COMPARE	))))
87	000265	136		ORP 36	FOR RETURN	))))
88	000266	367 337		RZR	RTN IF THE SAME	))))
89	000270	155 212	DEC45	DCB R55	ANY MORE ENTRIES?	))))
90	000272	366 344		JNZ POPNAM	JIF YES	))))
91	000274	316 377 377	STERR	JSB =MSERR+		))))
1	000277	062		OCT 500		))))
2	000300					))))
94	000300					))))

```

>>>> PARSE READ#,PRINT# A*(, ) <<<<<<<<
000300 REPLTK BSS 0
97 000300 165 261 314 LDMD R65,=PTR2 SAVE CURRENT POSITION
97 000303 377
98 000304 153 250 273 LDB R53,=273 TOKEN FOR 1 DIM
99 000307 175 263 314 STMD R75,=PTR2 BACKUP TO NUMERIC TOKEN
99 000312 377
100 000313 270 315 377 LDBI R75,=PTR2- GET TOKEN
101 000316 310 363 CMB R75,=363 IS IT 1 DIMENSION?
102 000320 153 ORP 53
103 000321 367 002 JZR ONEDIM JIF YES
104 000323 250 300 LDB R#,=300 GET 2 DIM TOKEN
105 000325 272 314 377 ONEDIM STBI R#,=PTR2 REPLACE NUMERIC TOKEN
106 000330 165 263 314 STMD R65,=PTR2 REPLACE CURRENT ADDR
106 000333 377
107 000334 236 RTN
108 000335 LST
  
```

ITEM	LOC	OBJECT	CODE	SRC	OBJ	DATE	TIME	PAGE
>>>		EXCESS PRINT#	AND	READ#				<<<<<<<<
100	000335				RDARRX	BSS	0	
111	000335	175	041	241	LDM	R75,R41		
112	000340	012	345		FUMD	R75,+R12		
113	000342	163	047	240	RDARX+	LDB	R63,R47	
114	000345	206			LRB	R63		
115	000346	263	014		JEV	TRACOF		JIF NO TRACE FLAG
116	000350	223			CLM	R63		SET UP DIMENSION FLAGS
117	000351	213			DCM	R63		377'S MEAN ONE DIMENSION
118	000352	136	051	241	LDM	R36,R51		LOAD COLUMN LENGTH
119	000355	264	002		JNG	PUSHOD		UNDEFINED IF ONE DIM
120	000357	167	210		ICB	R67		
121	000361				PUSHOD	BSS	0	PUSH TRACE FLAGS
122	000361	163	012	345	FUMD	R63,+R12		
123	000364				TRACOF	BSS	0	PUSH TRACE ADDR & HEADER
124	000364	144	012	345	FUMD	R44,+R12		
125	000367	236			RTN			
126	000370							
127	000370							
128	000370				RDARRC	BSS	0	
129	000370	126	006	343	POMD	R26,-R6		POP RTH ADDR
130	000373	142	343		POMD	R42,-R6		POP NAME,LENGTH,TOT LEN
131	000375	175	343		POMD	R75,-R6		POP TRACE ADDR
132	000377	155	343		POMD	R55,-R6		POP TRUE ADDR
133	000401	165	043	241	LDM	R65,R43		COPY 2 BYTE LEN
134	000404	167	222		CLB	R67		MAKE 3 BYTES
135	000406	145	065	305	SBM	R45,R65		MORE TO READ
136	000411	267	025		JZR	CALOUT		
137	000413	155	305		SBM	R55,R65		DETERMINE ADDRESS FOR NXT
138	000415	006	345		FUMD	R55,+R6		
139	000417	012	345		FUMD	R55,+R12		
140	000421	175	345		FUMD	R75,+R12		
141	000423	006	345		FUMD	R75,+R6		PUSH EXTRA ADDR
142	000425	142	345		FUMD	R42,+R6		PUSH NAME,LEN,NEW TOT LEN
143	000427	126	345		FUMD	R26,+R6		REPLACE RTH ADDR
144	000431	042			ARP	42		
145	000432				OFTRAC	BSS	0	
146	000432	147	240		LDB	R47,R#		COPY HEADER
147	000434	317	375		ANM	R47,-375		TURN OFF TRACE
148	000436	012	344		FUMD	R47,+R12		
149	000440	236			CALOUT	RTN		
150	000441							
151	000441							
152	000441				FRARRC	BSS	0	
153	000441	126	006	343	POMD	R26,-R6		POP RETURN ADDR
154	000444	142	343		POMD	R42,-R6		
155	000446	165	343		POMD	R65,-R6		POP TRACE ADDR
156	000450	175	343		POMD	R75,-R6		
157	000452	155	043	241	LDM	R55,R43		COPY ELEM SIZE
158	000455	157	222		CLB	R57		CLEAR 3RD GARBAGE BYTE
159	000457	145	055	305	SBM	R45,R55		
160	000462	267	354		JZR	CALOUT		
161	000464	175	305		SBM	R75,R55		UPDATE ADDRESS
162	000466	006	345		FUMD	R75,+R6		





>>>>		EXTERNALS	<<<<<<<<	
9	000632		EXT	DOCLOS
220	000632		EXT	EMOYUP
221	000632		EXT	EMOVDN
222	000632		EXT	MSERR+
223	000632		EXT	ROMINI
224	000632		EXT	RSMEM-
225	000632		EXT	RSETGO
226	000632		EXT	SCRAT+
227	000632		EXT	TRANS
229	000632			





SYMBOL	VALUE	TYPE	COUNT	Symbol Table	9/11/1981 11:23 AM PG 10
CTMSU	103560	G DAD	2		
CTM	000230	ENT	1		
CTAS	104073	G DAD	2		
CTINMOV	000000	ENT	1		
CTINSCN	000007	LCL	1		
CTOVAR	100014	G DAD	1		
CTALMOD	000060	LCL	1		
CTALOUT	000440	LCL	2		
CTEC45	000270	LCL	1		
CTECSTP	000063	LCL	1		
CTOCLOS	177777	EXT	1		
CTNOVDN	177777	EXT	0	<--- NOT REFERENCED??	
CTNOVUP	177777	EXT	1		
CTOVAR	100017	G DAD	1		
CTRRROUT	000140	LCL	1		
CTNAM	103503	G DAD	1		
CTNAM+5	103510	G DAD	1		
CTNAMB	000010	G EQU	1		
CTNAMBS	000015	G EQU	1		
CTMCCR	100006	G DAD	1		
CTFIL	100025	G DAD	1		
CTDEM+	000201	LCL	1		
CTDCOMN	000174	LCL	1		
CTDFNSH	000141	ENT	1		
CTDADOK	000215	LCL	2		
CTSTDAT	101650	G DAD	1		
CTWAMEM	100041	G DAD	2		
CTMOVE	000024	ENT	2		
CTRR+	177777	EXT	2		
CTM+	000125	LCL	1		
CTXTMEM	100022	G DAD	2		
CTFTRAC	000432	LCL	1		
CTMEDIM	000325	LCL	1		
CTOPNAM	000240	LCL	1		
CTRAR#C	000554	ENT	1		
CTRARRC	000441	ENT	1		
CTTR1	177710	G DAD	3		
CTTR1-	177711	G DAD	1		
CTTR2	177714	G DAD	7		
CTTR2-	177715	G DAD	1		
CTPU00	000361	LCL	1		
CTDAR#C	000502	ENT	1		
CTDARRC	000370	ENT	1		
CTDARRX	000335	ENT	1		
CTDARX+	000342	ENT	1		
CTEPLTK	000300	ENT	1		
CTOMINI	177777	EXT	0	<--- NOT REFERENCED??	
CTSETGO	177777	EXT	1		
CTSMEM-	177777	EXT	1		
CTAVACM	000610	ENT	1		
CTAVPT2	104154	G DAD	1		
CTCRAT+	177777	EXT	1		
CTCRTYP	101731	G DAD	1		
CTRCMSU	103602	G DAD	2		

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SYMBOL	VALUE	TYPE	COUNT	Symbol Table
BTERR	000274	LCL	1	
COF	000364	LCL	1	
S	177777	EXT	1	
tn001	000227	LCL	1	
tn002	000501	LCL	1	
tn003	000553	LCL	1	

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HEADING

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EXCES HAD 0 ERRORS 0 WARNINGS 60 LABELS LAST ERROR AT 0