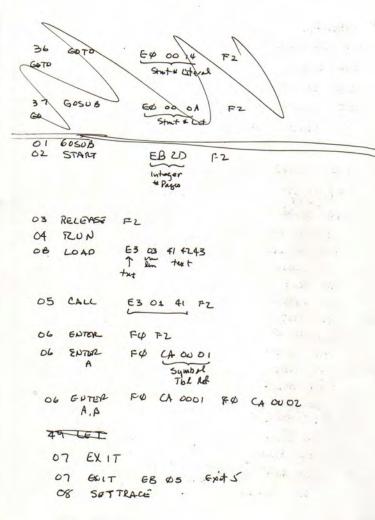
Program Asea Format	Statement Format
1 40 00	1 byte - length
3 mnn + Entries, Symbol to	Z bytes. Start #
5	1 byte - op code
7* [] Program Length 12 bo	ites & details
9 Nort avoil symbol totle in	nseit pt
11 * Length of Symbol Table	[EZ] End of Start Flag
14 × I Length of Prog + Symbol	17b) {#7+#11 => #14
	e-space felled
Start # Letter Index (\$5:A	de # Entries - May be gero ence = 3 bytes
grown Area [programs	
Trailer OS FF FF 34 FZ Systom	n Supplied End Stmt
030000 Trail	
(main Symbols) [3/5] symbol	- l
Symbol Addenda	
FF FE OC OF Long	Franction
25.2	name
	In Statement # of def

```
EØ NX XX
                  Start # Literate
    EB XX
                 Integer
     E3 Ll x -x Text literal (Shoot)
                    Symbol Toble Reference - Numeric (+0 #1) A or A
     CA 0001
                                           A or 4%
                    Symbol Table Raf - Strung
       CE OU OI
       (8 00 01 STR - numeric - source
        F4 00 03 31 30 30 long Text Literal
              ength Stat Literal
                       Program home literal - A$
         CC 00 01
         CE 00 01 Store STR Struck
          AB 00 00 01 Formal Reference
          EO XX XX XX Long Integer
                          Flost Literal - 2 dec places - stored as
                                     integer w/iniplied decimal pt
           EA (7) bytes) V. Long Integer of Alost
                                    ( Exp Cinteger value 01 = 80'
14 digit + 9-9= 6 bytes long
                                                      -128
                                      FF=1 02=10"
                                     F6 = -2 03 - 103
                          User Function Symbol Table Ref
            C9 XK KY
```

C9 xx xx blue Function Symbol label

Al xx xx Statement Label Table Refunce

arithmetic Operators 5E 5B / divide 50 - Subtract - negate (ie, +=-B) 60 5C + multiply + String Loncate nation 5f 1 Exponentiation (** or 1) SA 54 = Equals Test compare for Equal 56 <> Compare <> 55 59 53 = ALL " " 8D BI LIKE 80 BA Test as Logical (AND) 8D BA 00 06 AND 80 BA 40 05 OR



```
F3. 11.
09 Endtrace
DA Escape
OB LOAD
oc Delete
            60 WOI EO HITE
 OD EDIT
             F4 00 00
                 toot loteral of command
                             Merge (1)
 DE MERGE EBOIEL
  OT- ELIST
             E4 0001 64 FF FE
   10 SAVE
                                  P "+", 1, 1, 1
   11 PROGREM
   12 Indexed
   13 SERIAL
   14 SOLT
   15 DIRECT
    16 SUSTEM
    17 FILE
    18 ERASE
     IS ADD
     IA ADDR
     IB DRDP
    IC ENABLE
     10 DISABLE
                         IGNORE (unused)
      IE RESERVE
                  CHAMPLE YEAR OF C) Riot
      20 OPEN
      21 CLOSE
```

```
22 LOCK
23 UNLOCK
24 PUT
             EB Ø1 E1 F4 F2
25 PRINT
              Channel
                          203
  26 WRITE
              F4 F1 F3 Ø1 41
  27 REMO'UE
               EB OI EI
                          CC 0001
                                   BB
                                  Key=
                             A&
      2 REKEY
                 F4 FØ CE COOI
   29 INPUT
                           AS
   ZA READ
                    (1, KEY= A$)
    2B EXTRACT
                 EBOI EI CC OU OI 88F4 CEOU OI
                                 KEY:
                                   End of ()
```

2C FIND

ZO RENAME

ZE PLOATING POINT

27 PRECISION

30 RESET

CLEAR 31

32 BEBIN

STOP 33

34 END 35 ON/ GOTO (GOSOB

3 6000 36

37 GOSUB 38 SETERR 39 SETESC 3A FOR (for/next) 3B FXITTO 3C RETURN 3D NEXT 3E RETRY 3F EXECUTE 40 REM 41 DIM 42 TABLE 43 IOLIST 44 DEF FNX 45 SETTIME 46 SET DAY 47 WAIT 48 old 1F 49 LET 4A INPUTRECORD 4 B READRECOAD 4C EXTRACT RECORD 40 FINDRECORD 4E PRINTRECORD

4F WRITEREWAD

50 (51) 8E Extended op Code 86 - Extended Codes Below 50, acts like normal 50 ENCRYPT 51 PSAVE 52 BOOT 53 SYNC 54 PREMO 55 PREMORECOND 56 PEXTRACT 57 PEXTRACTRECORD 55 58 IF SE FINFUS 59 FINDUT 5A INITFILE 5B ? 50 bles grenny 50 SHORTVAR 55 LONGUAR SE INPOTEDT GO INPOTEDT RECORD 61 WINDOW 62 MSDRT 63 ADDSONT 64 REMSORT 65 (cd> 66 DROP ALL 67 WHILE 68 WEND

69 ESC ON GA ESC OFF 6 B 6C 60 GE TISAM 6F EDITE 70 SET PREFIX 71 SET DIR 72 TEXT 73 SET DATE STRINGS 74 FIXUP 75 SYMTAB 76 FERENTE FCREATE 77 18 DUMP 79 SET DRIVE 7A SOT TRACEMODE LSTM 7B ESCMPE WHEN 7 C X CALL 70 FORMAT INCLOPE INCLUDE EBOD DELLETE 68 03 INIT EB \$1 DEPAULT ES ØZ TE SET PRM 7F LOG 090N SO LOS CLOSE

86 SET CMASK 87 SET HOTKEY

88 SET ERR ON 89 OFF 8A LET FMT

8B PARK ARDAY
8C UNPACK ARRAM
8D GNO ESCAPE WHEN
8E GLOBAL CSCAPE WHEN
8F SET ERC
GO CLEAR ERC

7 2

and william 10

Russil	+ +	um
Runil	3	中
3	3	C
70	inc	trone

Functions

gran FARES

tunctions.		The Manager History
op Cd Function	90 DAY	80.09 User FN(Long)
GI ABS	80.84 DCM	GE FPT
80 95 ACS Arc Cosine	GA DEC	&D.CB FST
53 = A LL "x"	80. A7 DIM	6F GAP
62 AND	80.C4 DIR	71 HSH R
80 CD ARG	80.06 DNE	72 HTA
80 a Alge	86 DSD	73 IND
63 ASC	8D.CF DSK	80.00 INF
80 96 ASN- Arc Sie	94 DSZ	74 INT
64 ATH ASCH to hex	80 AA DTN	75 TOR
80 93 ATN - Arc Tangent	80.80 DTR	76 KEY
80 44 ATQ- Are Ton Que	GB EPT	77 LEN
8D DA ATR - Attribute	SD. EI ERC	80.94 LKY
65 BIN	80. CD ERM	89 LOG 58.44.89
BSZ (not recid)	93 ERR	78 LRC
8D. AD CON	80.08 ERRBUT	79 457
8D. AE CDS	99 ESC	SD. B3 MAX
SD. C5 CGV	8C EXP	80.82 MIN
67 CHR	80.86 FDT	SP. 9F MNE
SO.DD CMASE	GD FID	74 MOD
80.91 Cos	80.47 FIX	80.88 NEA
@ CPL compile line	80.9B FKY	8A NLG
8D.CA CPP Compile Prayram	80. DB FMD	80.47 NMV 5
69 CRC Cyllic led Code	80. DF FMT	78 NOT
92 CTL	80.09 FMT	NL Mas at
88.96 CUT	8F.00 / FØ FS	FNX Bal
8D. DC DATE MASK 8D. CG DATE STRINGS	8F.80 / F481	

44.75 A 3.75 A 75 A 75 A	02 05 6	
7 C NUM	80.88 STL	2 2 4
D. DY NUM (TUTP=)	80 STR	
9D OCH	SD. BE SUP	4000 1100
D. CI PAD	9c 545	SI HUS
87 PCK	80.92 TAN	A PART A CO. HE LOSSE
D. 90 PFL	80. BF TBL	I MARINE
50.96 PFP	85 TCB	E & B 156
8 D. DI PACHARBASE	91 TIM	
84 PGM	80.02 TRACEMODE (S)	
9B PGN	81 TSIC	
5 D. 99 PKY	97 TSM	
70 Pas		and the same way load
9F PRC	SO. ED UNT (GA)	Latinate 12 Tege
80 89 PREFIX		-1 c - 1 + + 0 /
80.05 PRM	88 UPK (N)	-4- JH 1392
95 PSZ		68\$5 68\$1 8DE\$
80 B7 PTN		SOE) GROI FRUI FDED
7E PUB	80.80 WIN (GETLIS	T) ES 00 EBGI 8089
98 QUO		OUED LIST) EBØS
80 98 RND	80,80 WIN (GETS	
80 BD RTD	8D. AC XFD	110 5
8D CC SDX	82 XOR	- Fr 5 50.6
GA SEP		80.91 (23
75 SGN		en and and se
80.90 SIN		المناه فيدا الماحيدات
8B SQR		and the back on
96 SSN		450 00
		740 41.88
		AUNTER DINGS
		avide onestaling

83 SSZ

ALL THOUSAND

STATEMENT IN EPROL

F3 14 00 OF Stur text

Continuation Starts

Destend of F2 @ End

Use <u>67</u> at end of 1st Start

De let Start,

Separate let segments w/ EC



B7 Prior is 152= B8 KEY=

Parameter Variable Name Follows of pome Variable, eg: FB CA 00 01 Enumeric # mushed my 2nd Variable FOR EAU OI CE OO OR - no Fx value implies masking Function (Dutrat only)
Numeroe Vereable Referen marked Boy Killial es FI CA 00 91 A E3 05 # # . 00 Inota value implies masking F4 input start, output; and of options () List Follows (Hart List) os: F5 FØ CE 00 01 F5 F4 CA 00 01 F7 Screen Pan Function, eg (2 vars) IDLIST @ (10,20), A\$ 43 F5 F1 EB ØA EB 14 F7 FØ CE CO OI F6 Line Pon Function, eg (1 var) IDUST @(20), A\$ 43 F5 F1 EB 14 F6 F6 CG 00 01 F8 Force And 16 hist Ended Function Call Parm List