

```

0010: 0500      RDMP   ORG   $0500
0020:
0030:      *
0040:      * LEES EN DUMP PROGRAMMA VOOR DE
0050:      * BASIC INTERPRETER
0060:      *
0070:      *
0080:      * PROGRAMMEUR   : W.V.GELDEREN
0090:      * DATUM         : 13-12-1979
0100:      * PLAATS        : KROMMENIE
0110:      *
0120:      * IN BASIC VERANDEREN: ADRES
0130:      * $2456   20 07 05
0140:      * $2451   20 13 05
0150:      *
0160:      * RESET                      POKE 1286,255
0170:      * PRINTER PAGINA             POKE 1286,5
0180:      * PRINTER AAN                POKE 1286,4
0190:      * TAPE LEADER               POKE 1286,3
0200:      * FILE DUMP                  POKE 1286,2
0210:      * FILE READ                  POKE 1286,1
0220:      * VIDEO TERMINAL             POKE 1286,0
0230:
0240:      F0 00  GARG  *      $00F0  CWRITE PUNTER
0250:      F2 00  COUNT *      $00F2  CWRITE COUNTER
0260:      F3 00  TMP   *      $00F3  TEMPORARY STORAGE
0270:      F4 00  YTMP  *      $00F4  " "
0280:      F5 00  XTMP  *      $00F5  " "
0290:      FE 00  TRIS  *      $00FE  CYCLE COUNTER
0300:      00 04  BUFFER *      $0400  INPUT/OUTPUT BUFFER
0310:      80 04  RUFFR1 *      $0480
0320:      31 20  RESTRT *      $2031  EDITOR WARM ENTRY ADDRESS
0330:
0340:      * KIM ROM AND PIA ADDRESSES
0350:
0360:      42 17  SRD   *      $1742  PIA LOCATIONN
0370:      E7 17  CHKL  *      $17E7  CHKSUM
0380:      E8 17  CHKH  *      $17E8
0390:      EC 17  VEB   *      $17EC  VOLATILE EXECUTION BLOCK
0400:      F5 17  SAL   *      $17F5  TAPE START ADDRESS
0410:      F6 17  SAH   *      $17F6
0420:      F7 17  EAL   *      $17F7  TAPE END ADDRESS
0430:      F8 17  EAH   *      $17F8
0440:      32 19  INTVER *      $1932  INIT VEB SUBROUTINE
0450:      4C 19  CHKT  *      $194C  CHKSUMSUBROUTINE
0460:      EA 19  INCVER *      $19EA  INCREMENT VEB SUBROUTINE
0470:      F3 19  RDRYTE *      $19F3  READ BYTE SUBROUTINE
0480:      24 1A  RDCHT  *      $1A24  READ CHAR SUBROUTINE
0490:      41 1A  RDBIT  *      $1A41  READ BIT SUBROUTINE
0500:      8C 1E  INIT  *      $1E8C  RESET ALL PIA'S
0510:
0010: 0500 20 0B 05  STRTX JSR  INOT  7 JNT COLD START BASIC
0020: 0503 4C 65 40      JMP  $4065  NORMALE START BASIC
0030:      *
0040:      *
0050: 0506 20      SWITCH =  $0  WORDT LATER VERVANGEN
0060:      *
0070:      *
0080: 0507 AD 06 05  READ1 LDA  SWITCH  VIDEOTERMNAL = 0, OF KIM TTY
0090: 050A F0 04      BEQ  NORM
0100: 050C C9 01      CMPIM $01  FILE READ = 01
0110: 050E F0 34      BEQ  INALLR
0120:      *
0130: 0510 4C 5A 1E  NORM  JMP  $1E5A  TTY IN
0140:      *
0150: 0513 AC 06 05  WRITE1 LDY  SWITCH

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0160: 0516 F0 23      BEQ  NORMA      KIM TTY-OUT
0170: 0518 C0 02      CPYIM $02
0180: 051A F0 25      BEQ  OUTALA     FILEDUMP
0190: 051C C0 03      CPYIM $03
0200: 051E F0 27      BEQ  LIDDAR     TAPE LEADER
0210: 0520 C0 04      CPYIM $04
0220: 0522 F0 54      BEQ  PLAT       PRINTER
0230: 0524 C0 05      CPYIM $05
0240: 0526 F0 42      BEQ  PRINTR     PRINTER PAGINA
0250: 0528 C0 FF      CPYIM $FF
0260: 052A F0 01      BEQ  FIRST
0270: 052C 60        RTS
0280:
0290: 052D A0 00      * FIRST LDYIM $00      RESET
0300: 052F 8C 06 05    STY  SWITCH     DEFAULT=VIDEO via KM%
0310: 0532 8C 04 05    STY  STRIX      +04
0320: 0535 8C 05 05    STY  STRIX      +05    INIT VIA WARM START
0330: 0538 4C 13 05    JMP  WRITE1     BASIC 0000
0340:
0350: 053B 20 EC 05      * NORMA JSR  RES    - BLAD, BLADNO en PAGINA
0360: 053E 4C A0 1E      JMP  $1EA0      op default zetten, return via
0370: 0541 4C 25 06      OUTALA JMP  OUTALL } file reads KIM TTY-OUT
0380: 0544 4C A3 05      INALLR JMP  INALL } dumps - return via de subroutine
0390:
0400: 0547 AD 02 17      * LIDDAR LDA  $1702
0410: 054A 29 F7        ANDIM $F7
0420: 054C 8D 02 17      STA  $1702
0430: 054F 8E A1 05      STX  MEMX
0440: 0552 A2 1C        LDYIM $1C
0450: 0554 A9 FF        ONEMIA LDAIM $FF
0460: 0556 8D 47 17      STA  $1747
0470: 0559 AD 47 17      * WACHT LDA  $1747
0480: 055C 10 FB        BPL  WACHT
0490: 055E CA          DEX
0500: 055F D0 F3        BNE  ONEMIA
0510: 0561 AE A1 05      LDY  MEMX
0520: 0564 4C 7A 07      JMP  STPO.      RETURN VIA INIT, SET cassette motor
0530: 0567 4C FC 05      PRTHDA JMP  PRTHD.
0540:
0550:
0560:
0570: 056A C9 0D      * PRINTR CMPIM $0D      PRINTER met pagina bijhouden.
0580: 056C D0 03        BNE  PLXT
0590: 056E EE A2 05      INC  PAGIN      - Regeltekst.
0600: 0571 AC A2 05      PLXT LDY  PAGIN      - 64 regels / pagina.
0610: 0574 C0 40        CPYIM $40
0620: 0576 F0 EF        BEQ  PRTHDA      - printheader.
0630: 0578 48          PLA
0640: 0579 A9 7F        PLAT LDAIM $7F
0650: 057B 8D 01 17      STA  $1701      } PA = output PA0 - PA7
0660: 057E A9 01        LDAIM $01
0670: 0580 0D 03 17      ORA  $1703
0680: 0583 8D 03 17      STA  $1703      - PB0 is output
0690: 0586 68          PLA
0700: 0587 8D 00 17      STA  $1700      - printerout
0710: 058A A9 FE        LDAIM $FE
0720: 058C 2D 02 17      AND  $1702
0730: 058F 8D 02 17      STA  $1702      - strobe voor printer aan
0740: 0592 A9 01        LDAIM $01
0750: 0594 0D 02 17      ORA  $1702      } strobe voor printer out
0760: 0597 8D 02 17      STA  $1702
0770: 059A AD 00 17      DES LDA  $1700
0780: 059D 10 FB        BPL  DES
0790: 059F 60        RTS

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0820: 05A2 00      PAGIN = $20
0830:
0840:
0850:
0860:
0870:
0880:
0890:
0900: 05A3 8E A1 05 INALL STX MEMX
0910: 05A6 A5 F5 INALLA LDZ XTEMP
0920: 05A8 30 15 BMI RED
0930: 05AA A4 F4 LDYZ YTMP
0940: 05AC B9 00 04 LDAAY BUFFER
0950: 05AF C9 00 CMPIM $00
0960: 05B1 D0 06 BNE PAKM
0970: 05B3 48 PHA
0980: 05B4 A9 FF LDAIM $FF
0990: 05B6 85 F5 STAZ XTEMP
1000: 05B8 68 PLA
1010: 05B9 E6 F4 PAKM INCZ YTMP
1020: 05BB AE A1 05 LDX MEMX
1030: 05BE 60 RTS
1040: 05BF 20 4B 06 RED JSR GETLIN
1050: 05C2 A9 00 LDAIM $00
1060: 05C4 85 F4 STAZ YTMP
1070: 05C6 85 F5 STAZ XTEMP
1080: 05C8 4C A6 05 JMP INALLA
1090:
1100:
1110:
1120:
1130: 05CB A9 00 INOT LDAIM $0C
1140: 05CD 8D 03 17 STA $1703
1150: 05D0 A9 BF LDAIM $BF
1160: 05D2 8D 02 17 STA $1702
1170: 05D5 A2 FF LDXIM $FF
1180: 05D7 68 PLA
1190: 05D8 A8 TAY
1200: 05D9 68 PLA
1210: 05DA 9A TYS
1220: 05DB 48 PHA
1230: 05DC 98 TYA
1240: 05DD 48 PHA
1250: 05DE 86 F5 STXZ XTEMP
1260: 05E0 A9 FF LDAIM $FF
1270: 05E2 8D 06 05 STA SWITCH
1280: 05E5 A9 00 LDAIM $00
1290: 05E7 85 F4 STAZ YTMP
1300: 05E9 8D A0 05 STA TAMPMP
1310: 05EC A0 30 RES LDYIM $30
1320: 05EE 8C AC 06 STY BLAD
1330: 05F1 A0 31 LDYIM $31
1340: 05F3 8C AD 06 STY BLADNO
1350: 05F6 A0 3D LDYIM $3D
1360: 05F8 8C A2 05 STY PAGIN
1370: 05FB 60 RTS
1380:
1390:
1400:
1410: 05FC A0 00 PRTHD LDYIM $00
1420: 05FE 48 PHA
1430: 05FF B9 A1 06 PLET LDAAY TKSTX
1440: 0602 20 78 05 JSP PLAT
1450: 0605 C8 INY
1460: 0606 C0 10 CPYIM $00
1470: 0608 D0 F5 BNE PLET

```

BEWAAR X

* INITIALISERING V/H LEES/DUMP BUFFER

INOT LDAIM \$0C } PB2 en PB3 output
STA \$1703 } en hoog. maken
LDAIM \$BF

STA \$1702 } STACKPOINTER
LDXIM \$FF } OP FF zetten
PLA } het behoud terugkeer
TAY } adres (dit is
PLA } subroutine)
TYS
PHA
TYA
PHA

STXZ XTEMP
LDAIM \$FF
STA SWITCH - RESET
LDAIM \$00

STAZ YTMP
STA TAMPMP
RES LDYIM \$30 } blad op 0
STY BLAD } bladno op 1
LDYIM \$31
STY BLADNO
LDYIM \$3D

STY PAGIN
RTS

* PRINT DE PAGINA KOP

PRTHD LDYIM \$00
PHA
PLET LDAAY TKSTX
JSP PLAT — print A
INY
CPYIM \$00 — 32 karaktere kop
BNE PLET

```

1480: 060A A9 00          LDAIM $00
1490: 060C 8D A2 05        STA PAGIN - regel op.
1500: 060F EE AD 06        INC BLADNO - pagina teken.
1510: 0612 AD AD 06        LDA BLADNO } bladteiler. ASCII
1520: 0615 C9 3A          CMPIM $3A - max 39 = dec. 9
1530: 0617 D0 08          BNE NIN
1540: 0618 0618 A9 31    LDAIM $31 } Initialiseren
                                         OP 1
0618 8D AD 06          STA BLADNO
1560: 061E EE AC 06        INC BLAD
1570: 0621 68            NIN
1580: 0622 4C 78 05        JMP PLAT - print en return
1590:
1600:
1610:
1620:
1630:
1640:
*
* PLAATS DE AANGEBODEN CHARACTER IN HET
* BUFFER, ALS HET BUFFER VOL IS DE INHOUD
* OP DE CASSETTE TAPE DUMPEN
*
1650: 0625 AC A0 05        OUTALL LDY TAMTMP
1660: 0628 C9 0A          CMPIM $0A - LF?
1670: 062A D0 18          BNE NODUP
1680: 062C 99 80 04        STAAY BUFFER1 - OUTPUT BUFFER = 480.
1690: 062F C8            INY
1700: 0630 A9 0A          LDAIM $0A
1710: 0632 99 80 04        STAAY BUFFER1
1720: 0635 8E A1 05        STY MEMX BEWAAR X
1730: 0638 20 C1 06        JSR DUMP DUMP BUFFER N/AAR cassette
1740: 063B AE A1 05        LDY MEMX HAAL X TERUG
1750: 063E A9 00          LDAIM $00
1760: 0640 8D A0 05        STA TAMTMP - index in buffer op nul zetten
1770: 0643 60            RTS
1780: 0644 99 80 04        NODUP STAAY BUFFER1
1790: 0647 EE A0 05        INC TAMTMP - INDEX IN BUFFER
1800: 064A 60            RTS
1810:
1820:
1830:
*
* LEES EEN REGEL V/D TAPE
*
1840: 064B AD 02 17        GETLIN LDA $1702 } cassette motor aan
1850: 064E 29 FB          ANDIM $FB
1860: 0650 8D 02 17        STA $1702
1870: 0653 A9 7F          LDAIM $7F
1880: 0655 8D 41 17        STA $1741 } voor bereiden
1890: 0658 A9 13          LDAIM $13 } tape in.
1900: 065A 8D 42 17        STA SRD
1910: 065D D8            CLD
1920: 065E 20 6C 06        NEWLIX JSR GETLYN
1930: 0661 AD 02 17        ENDAD LDA $1702 } cassette motor uit
1940: 0664 09 04          ORAIM $04
1950: 0666 8D 02 17        STA $1702
1960: 0669 4C 8C 1E        JMP INIT } return via init, reset KIM PIA'S
1970:
1980: 066C A9 00          GETLYN LDAIM $00
1990: 066E 85 F4          STAZ YTMP
2000: 0670 20 41 1A        SYNC JSR RDBIT } klassieke sync
2010: 0673 46 F3          LSRZ TMP en lees.
2020: 0675 05 F3          ORAZ TMP
2030: 0677 85 F3          STAZ TMP
2040: 0679 8D 40 17        STA $1740 - zet op display
2050: 067C C9 16          TST CMPIM $16 sync char?
2060: 067E D0 F0          BNE SYNC
2070:
2080: 0680 20 24 1A        JSR RDCHT
2090: 0683 8D 40 17        STA $1740
2100: 0686 C9 13          CMPIM $13 - file karakter
2110: 0688 D0 F2          BNE TST
2120:
2130: 068A A0 00          GETCHR LDYIM $00

```



```

2140: 068C 84 F4      STYZ YTMP
2150: 068E 20 24 1A GET JSR ROCHT
2160: 0691 A4 F4      LDYZ YTMP
2170: 0693 C0 81      CPYIM $81
2180: 0695 F0 05      BEQ DOIR
2190: 0697 99 00 04 STAAY BUFFER
2200: 069A E6 F4      INC YTMP
2210: 069C C9 00 DOIR CMPIM $00
2220: 069E 00 EE      BNE GET
2230: 06A0 60      RTS

```

floats in
 vatte tot
 CR van tape
 of buffer vol
 (128 bytes)

```

2240: *
2250: *
2260: * PAGINA KOP
2270: 06A1 0D TKSTX = $0D
2280: 06A2 0A = $0A
2290: 06A3 2D = ' '
2300: 06A4 0A = $0A
2310: 06A5 50 = 'P'
2320: 06A6 41 = 'A'
2330: 06A7 47 = 'G'
2340: 06A8 49 = 'I'
2350: 06A9 4E = 'N'
2360: 06AA 41 = 'A'
2370: 06AB 20 = ' '
2380: 06AC 30 BLAD = $30
2390: 06AD 01 BLADNO = $01
2400: 06AE 20 = ' '
2410: 06AF 4D = 'M'
2420: 06B0 49 = 'I'
2430: 06B1 43 = 'C'
2440: 06B2 52 = 'R'
2450: 06B3 4F = 'O'
2460: 06B4 53 = 'S'
2470: 06B5 4F = 'O'
2480: 06B6 46 = 'F'
2490: 06B7 54 = 'T'
2500: 06B8 20 = ' '
2510: 06B9 42 = 'R'
2520: 06BA 41 = 'A'
2530: 06BB 53 = 'S'
2540: 06BC 49 = 'I'
2550: 06BD 43 = 'C'
2560: 06BE 0A = $0A
2570: 06BF 0D = $0D
2580: 06C0 0A = $0A
2590: *
2600: *

```

```

0010: 06C1 AD 02 17 DUMP LDA $1702 TURN ON CASSETTE
0020: 06C4 29 F7 ANDIM $F7
0030: 06C6 8D 02 17 STA $1702

```

```

0040: *
0050: * OUTPUT SOURCE DATA

```

```

0060: 06C9 A9 27 SORCOT LDAIM $27
0070: 06CB 85 F0 STAZ $00F0
0080: 06CD A9 AD LDAIM $AD
0090: 06CF 8D EC 17 STA VER SETUP VER
0100: 06D2 A9 00 LDAIM $00
0110: 06D4 8D E7 17 STA CHKL
0120: 06D7 8D E8 17 STA CHKH
0130: 06DA A9 80 LDAIM BUFFER1
0140: 06DC 8D ED 17 STA VER +01
0150: 06DF A9 04 LDAIM BUFFER1 / +02
0160: 06E1 8D EE 17 STA VER
0170: 06E4 A9 60 LDAIM $60
0180: 06E6 8D EF 17 STA VER +03 RTS
0190: 06E9 A9 BF LDAIM $BF TURN ON OUTPUT

```

START ADRES
 VAN TE DUNGEN
 BUFFER

```

0200: 06E8 8D 43 17      STA  $1743  TO CASSETTE
0210: 06EE A2 64          LDXIM $64    SEND 100 SYNC PULSES
0220: 06F0 A9 16      LEADER LDAIM $16
0230: 06F2 20 1C 07      JSR  HIC
0240: 06F5 A9 13      LDAIM $13  SEND START OF DATA CHAR  SPECIFIC
0250: 06F7 20 28 07      JSR  OUTCHT  DATA FILE
0260: 06FA 20 EC 17      NEXT JSR  VER    HAAL karakter
0270: 06FD 20 EA 19      JSR  INCVER  en verzendt het
0280: 0700 C9 0A      CMPIW $0A    CR?
0290: 0702 D0 08      BNE  NOCRA  BRANCH IF NO END OF LINE
0300: 0704 20 28 07      JSR  OUTCHT  END OF LINE - CR beëindigt dump
0310: 0707 A2 02      LDXIM $02  WAIT A MOMENT  en via TAIL terug
0320: 0709 4C 62 07      ONEMIN JMP  TAIL
0330: 070C C9 40      NOCRA CMPIW $40  END OF FILE?
0340: 070E F0 06      BEQ  EOF0  BRANCH IF YES
0350: 0710 20 28 07      JSR  OUTCHT
0360: 0713 4C 06      JMP  NEXT  NIET ALLES GEHAD.
0370: 0716 20 28 07      EOF0 JSR  OUTCHT  EOF
0380: 0719 4C 62 07      JMP  TAIL  en via tail terug
0390:
0400: * DUMP LEADER
0410: 071C 86 F1      HIC  STXZ  TIC
0420: 071E 48          HICA  PHA
0430: 071F 20 28 07      JSR  OUTCHT
0440: 0722 68          PLA
0450: 0723 C6 F1      DECZ  TIC
0460: 0725 D0 F7      BNE  HICA
0470: 0727 60          RTS
0480:
0490: * SUB TO SEND ONE 8 BIT BYTE
0500: 0728 A0 08      OUTCHT LDYIM $08
0510: 072A 84 F2      STYZ  COUNT  8 BIT COUNT
0520: 072C A0 02      TRY  LDYIM $02  START AT
0530: 072E 84 FE      STYZ  TRIB  3600 HERTZ
0540: 0730 BE 5E 07      ZON  LDYAY NPUL  NUMBER OF HALF CYCLES
0550: 0733 48          PHA
0560: 0734 2C 47 17      ZONA BIT  $1747  SAVE THE CHAR
0570: 0737 10 FB      BPL  ZONA  WAIT FOR END OF CYCLE
0580:
0590: 0739 B9 5F 07      LDAAY TIMG  SET UP TIMER
0600: 073C 8D 44 17      STA  $1744  FOR THIS PULSE
0610:
0620: 073F A5 F0      LDAZ  GANG  CHANGE STATE
0630: 0741 49 80      EORIM $80  OF OUTPUT
0640: 0743 8D 42 17      STA  $1742  PORT
0650:
0660: 0746 85 F0      STAZ  GANG  AND SAVE STATE
0670: 0748 CA      DEX
0680: 0749 D0 E9      BNE  ZONA  DONE ALL CYCLES?
0690:
0700: 074B 68          PLA
0710: 074C C6 FE      DECZ  TRIB  ONE MORE GONE
0720: 074E F0 05      BEQ  SETZ  THE LAST ONE TOO
0730: 0750 30 07      BMI  ROUT  EVEN THE LAST ONE WENT
0740:
0750: 0752 4A          LSRA
0760: 0753 90 DB      BCC  ZON  ANOTHER BIT TO THE CARRY
0770: 0755 A0 00      SETZ LDYIM $00  IF IT IS NOT SET
0780: 0757 F0 D7      BEQ  ZON  SWITCH TO 2400 HZ
0790:
0800: 0759 C6 F2      ROUT DECZ  COUNT  ALWAYS
0810: 075B D0 CF      BNE  TRY  ONE BIT SENT
0820: 075D 60          RTS  ALL OVER GO HOME
0830:
0840: TIMING TABLE
0850:

```



```

0060: 075E 02      NPUL = $02 TWO PULSES
0070: 075F 03      TIMG = $03 THE RIGHT TIME
0080: 0760 03      = $03 3 PULSES
0090: 0761 7E      = $7E AND ENOUGH TIME
0090:
0091
0010: 0762 A9 2F    TAIL LDAIM $2F
0020: 0764 20 2B 07 JSR OUTCHT AS CHAR
0030:
0040: 0767 AD E7 17   LDA CHKL SEND
0050: 076A 20 88 07   JSR OUTBT CHECKSUM
0060: 076D AD E8 17   LDA CHKH LO AND
0070: 0770 20 88 07   JSR OUTBT HI
0080: 0773 A2 02      LDXIM $02 AND SEND 2
0090: 0775 A9 04      LDAIM $04 EOT CHARS
0100: 0777 20 1C 07   JSR HIC
0110:
0120: 077A AD 02 17   STPO LDA $1702 TURN OFF CASSETTE
0130: 077D 09 08      ORAIM $08
0140: 077F 8D 02 17   STA $1702
0150: 0782 4C 8C 1E   JMP INIT
0160:
0170: * SUB TO SEND CHAR WITH CHECKSUM CALCULATION
0180: 0785 20 4C 19   OUTBTC JSR CHKT ADD CHAR TO SUM
0190:
0200: * SUB TO SEND BYTE AS TWO ASCII CHARS
0210: 0788 48        OUTBT PHA SAVE BYTE
0220: 0789 4A          LSRA GET
0230: 078A 4A          LSRA UPPER
0240: 078B 4A          LSRA NYBLE
0250: 078C 4A          LSRA
0260: 078D 20 91 07   JSR HEXT AND SEND IT
0270: 0790 68          PLA RETURN BYTE
0280:
0290: * SUB TO SEND ONE HEX CHAR AS ASCII
0300: 0791 29 0F        HEXT ANDIM $2F
0310: 0793 C9 0A        CMPIM $0A CHANGE TO ASCII
0320: 0795 18          CLC BY ADDING
0330: 0796 30 02        BMI HEXAT
0340: 0798 69 07        ADCIM $07 37 TO A...F
0350: 079A 69 30        HEXAT ADCIM $30 AND 30 TO 0...9
0360: 079C 4C 28 07     JMP OUTCHT

```

SYMBOL TABLE 3200 3428

BLAD 06AC	BLADNO 06AD	BUFFER 0400	BUFFRO 0480
CHKH 17E8	CHKL 17E7	CHKT 194C	COUNT 00F2
DES 059A	DOIR 069C	DUMP 06C1	EAH 17F8
EAL 17F7	ENDAD 0661	EOFC 0716	FIRST 052D
GANG 00F0	GETCHR 068A	GETLIN 064B	GETLYN 066C
GET 068E	HEXAT 079A	HEXT 0791	HICA 071E
HIC 071C	INALL 05A3	INALLA 05A6	INALLB 0544
INCVER 19EA	INIT 1E8C	INOT 05CB	INTVES 1932
LEADER 06F0	LIDAR 0547	MEMX 05A1	NEWLIX 065E
NEXT 06FA	NIN 0621	NOCRA 070C	NODUP 0644
NORM 0510	NORMA 0538	NPUL 075E	ONEMIA 0554
ONEMIN 0709	OUTALA 0541	OUTALL 0625	OUTBT 0788
OUTBTC 0785	OUTCHT 0728	PAGIN 05A2	PAKM 05B9
PLAT 0578	PLET 05FF	PLXT 0571	PRINTR 056A
PRTHD 05FC	PRTHDA 0567	RDBIT 1A41	RDBYTE 19F3
RDCHT 1A24	RDMP 0500	READO 0507	RED 05BF
STRT 2031	RES 05EC	ROUT 0759	SAH 17F6
SAL 17F5	SBD 1742	SETZ 0755	SORCOT 06C9
STPO 077A	STRTX 0500	SWITCH 0506	SYNC 0670
TAIL 0762	TAMTMP 05A0	TIC 00F1	TIMG 075F
TKSTX 06A1	TMP 00F3	TRIB 00FE	TRY 072C
TST 067C	VER 17EC	WACHT 0559	WRITEO 0513