

```

1      TANDOS 65 DISK CHECK PROGRAM
5      BY ALAN MAUNDER OCT 2014
10     GETSYS   =   $B7F4
20     BADDEV   =   $B706
40     ERRRET   =   $B7C7
50     RDSCT    =   $B7D0
60     GETLIN   =   $B7C4
70     HEXPCK   =   $F817
80     OUTPCR   =   $F80C
90     OUTCHR   =   $F80E
100    HEXPNT   =   $F81A
105    MONTOR   =   $FC00
110    POLLKB   =   $FDFA
120    UNIT     =   $B800
130    TRACK    =   $B801
140    SECT     =   $B802
150    BUFFB1   =   $B815
160    FILENO   =   $B817
170    OUTSTR   =   $B7D9
180    FSPS     =   $B925
190    FSPT     =   $B926
200    DRPS     =   $B927
210    DRPT     =   $B928
220    FSCL     =   $B929
230    FSCH     =   $B92A
240    USCL     =   $B92B
250    USCH     =   $B92C
260    ICHAR    =   $1
270    ICURS    =   $A
280    HXPK     =   $13
290    TEXTP    =   $40
300    MSGPTR   =   $43
310    BIN      =   $44
320    BCD      =   $46
330    TSDRT    =   $49
340    TSDRS    =   $4A
350    NXDRT    =   $4B
360    NXDRS    =   $4C
370    DRENT    =   $4D
380    DRENTC   =   $4E
390    FILPTR   =   $4F
400    FRSPPT   =   $50
410    FRSPS    =   $51
420    *        =   $400
0400  A900     430      LDA   #$0
0402  8D15B8   440      STA   BUFFB1
0405  20F4B7   450      JSR   GETSYS
0408  4C0E04   460      JMP   GETDRV
040B  4CC7B7   470      ERREX:  JMP   ERRRET
040E  200CF8   480      GETDRV:  JSR   OUTPCR
0411  A20C     490      LDX   #$C
0413  202205   500      JSR   PMSG
0416  20FAFD   510      GETCHR:  JSR   POLLKB
0419  A501     520      LDA   ICHAR
041B  200EF8   530      JSR   OUTCHR
041E  A006     540      LDY   #$6
0420  2017F8   550      JSR   HEXPCK
0423  A514     560      LDA   HXPK+1
0425  D0E4     570      BNE   ERREX
0427  A513     580      LDA   HXPK

```

```

0429 30E0 590      BMI  ERREX
042B C908 600      CMP  #8
042D 10DC 610      BPL  ERREX
042F 8D00B8 620     STA  UNIT
0432 200CF8 630     JSR  OUTPCR
0435 2006B7 640     JSR  BADDEV
0438 A200 650      LDX  #$0
043A 8E01B8 660     STX  TRACK
043D A901 670      LDA  #$01
043F 8D02B8 680     STA  SECT
0442 20D0B7 690     JSR  RDSCCT      ;read 1st sector
0445 A200 700      LDX  #$0      ;print MSG1
0447 202205 710     JSR  PMSG
044A A92D 720      LDA  #$2D
044C 8540 730     STA  TEXTP
044E A9B8 740      LDA  #$B8
0450 8541 750     STA  TEXTP+1
0452 A909 760     LDA  #$9
0454 8542 770     STA  TEXTP+2
0456 201005 780     JSR  OUTXT      ;print disk name
0459 A202 790     LDX  #$2      ;print MSG2
045B 202205 800     JSR  PMSG
045E A955 810     LDA  #$55
0460 8540 820     STA  TEXTP
0462 A91F 830     LDA  #$1F
0464 8542 840     STA  TEXTP+2
0466 201005 850     JSR  OUTXT      ;print version
0469 A204 860     LDX  #$4
046B 202205 870     JSR  PMSG
046E A000 880     LDY  #$0
0470 8445 890     STY  BIN+1
0472 B915B8 900     MORE3:  LDA  BUFFB1,Y
0475 8544 910     STA  BIN
0477 208105 920     JSR  BINBCD
047A A546 930     LDA  BCD
047C 20A505 940     JSR  PNTBCD
047F A920 950     LDA  #$20
0481 200EF8 960     JSR  OUTCHR
0484 C8 970      INY
0485 C008 980     CPY  #$8
0487 D0E9 990     BNE  MORE3
0489 B915B8 1000    MORE4:  LDA  BUFFB1,Y
048C 201AF8 1010    JSR  HEXPNT
048F A920 1020    LDA  #$20
0491 200EF8 1030    JSR  OUTCHR
0494 C8 1040     INY
0495 C010 1050     CPY  #$10
0497 D0F0 1060     BNE  MORE4
0499 A206 1070     LDX  #$6      ; print "FREE"
049B 202205 1080    JSR  PMSG
049E A929 1090    LDA  #$29
04A0 20EF04 1100    JSR  OUTBCD
04A3 A208 1110    LDX  #$8      ;print "USED"
04A5 202205 1120    JSR  PMSG
04A8 A92B 1130    LDA  #$2B
04AA 20EF04 1140    JSR  OUTBCD
04AD A20A 1150    LDX  #$A      ;print "DIR:"
04AF 202205 1160    JSR  PMSG
04B2 A013 1170    LDY  #$13
04B4 B915B8 1180    LDA  BUFFB1,Y

```

```

04B7 8D01B8 1190 STA TRACK
04BA 8549 1200 STA TSDRT
04BC 88 1210 DEY
04BD B915B8 1220 LDA BUFFB1,Y
04C0 8D02B8 1230 STA SECT
04C3 854A 1240 STA TSDRS
04C5 88 1250 DEY
04C6 B915B8 1260 LDA BUFFB1,Y
04C9 8550 1270 STA FRSPT
04CB 88 1280 DEY
04CC B915B8 1290 LDA BUFFB1,Y
04CF 8551 1300 STA FRSPS
04D1 20CA05 1310 JSR PRNTTS
04D4 20E605 1320 JSR PRTDIR
04D7 A206 1330 LDX #$6 ;print "FREE:"
04D9 202205 1340 JSR PMSG
04DC A550 1350 LDA FRSPT
04DE 8D01B8 1360 STA TRACK
04E1 A551 1370 LDA FRSPS
04E3 8D02B8 1380 STA SECT
04E6 20CA05 1390 JSR PRNTTS
04E9 200CF8 1400 JSR OUTPCR
04EC 4C00FC 1410 JMP MONTOR
04EF A001 1420 OUTBCD: LDY #$1
04F1 8540 1430 STA TEXTP
04F3 B140 1440 LDA (TEXTP),Y
04F5 8545 1450 STA BIN+1
04F7 88 1460 DEY
04F8 B140 1470 LDA (TEXTP),Y
04FA 8544 1480 STA BIN
04FC 208105 1490 JSR BINBCD
04FF A547 1500 LDA BCD+1
0501 20A505 1510 JSR PNTBCD
0504 A546 1520 LDA BCD
0506 20A505 1530 JSR PNTBCD
0509 60 1540 RTS
050A A206 1550 LDX #$6 ;print MSG4
050C 202205 1560 JSR PMSG
050F 00 1570 BRK
0510 A000 1580 OUTXT: LDY #$0
0512 B140 1590 MORE1: LDA (TEXTP),Y
0514 200EF8 1600 OUTXT1: JSR OUTCHR
0517 C8 1610 INY
0518 C442 1620 CPY TEXTP+2
051A D0F6 1630 BNE MORE1
051C A920 1640 LDA #$20
051E 200EF8 1650 JSR OUTCHR
0521 60 1660 RTS
0522 BD3A05 1670 PMSG: LDA MSG1P,X
0525 8543 1680 STA MSGPTR
0527 E8 1690 INX
0528 BD3A05 1700 LDA MSG1P,X
052B 8544 1710 STA MSGPTR+1
052D A000 1720 LDY #$0
052F B143 1730 MORE2: LDA (MSGPTR),Y
0531 F006 1740 BEQ EXIT
0533 200EF8 1750 JSR OUTCHR
0536 C8 1760 INY
0537 D0F6 1770 BNE MORE2
0539 60 1780 EXIT: RTS

```

053A	51			
053B	05	1790	MSG1P:	DEFW MSG1
053C	59			
053D	05	1800	MSG2P:	DEFW MSG2
053E	61			
053F	05	1810	MSG3P:	DEFW MSG3
0540	69			
0541	05	1820	MSG4P:	DEFW MSG4
0542	71			
0543	05	1830	MSG5P:	DEFW MSG5
0544	79			
0545	05	1840	MSG6P:	DEFW MSG6
0546	48			
0547	05	1850	MSG7P:	DEFW MSG7
0548	0D	1860	MSG7:	DEFB 13
0549	44			
054A	52			
054B	49			
054C	56			
054D	45			
054E	3F			
054F	20	1870		DEFM 'DRIVE? '
0550	00	1880		DEFB 0
0551	0D	1890	MSG1:	DEFB 13
0552	4E			
0553	41			
0554	4D			
0555	45			
0556	3A			
0557	20	1900		DEFM 'NAME: '
0558	00	1910		DEFB 0
0559	0D	1920	MSG2:	DEFB 13
055A	56			
055B	45			
055C	52			
055D	53			
055E	3A			
055F	20	1930		DEFM 'VERS: '
0560	00	1940		DEFB 0
0561	0D	1950	MSG3:	DEFB 13
0562	53			
0563	59			
0564	53			
0565	3A			
0566	20			
0567	20	1960		DEFM 'SYS: '
0568	00	1970		DEFB 0
0569	0D	1980	MSG4:	DEFB 13
056A	46			
056B	52			
056C	45			
056D	45			
056E	3A			
056F	20	1990		DEFM 'FREE: '
0570	00	2000		DEFB 0
0571	0D	2010	MSG5:	DEFB 13
0572	55			
0573	53			
0574	45			
0575	44			

```

0576 3A
0577 20      2020      DEFM 'USED: '
0578 00      2030      DEFB 0
0579 0D      2040      MSG6:  DEFB 13
057A 44
057B 49
057C 52
057D 3A
057E 20
057F 20      2050      DEFM 'DIR: '
0580 00      2060      DEFB 0
0581 F8      2070      BINBCD:  SED
0582 A900    2080      LDA    #$0
0584 8546    2090      STA    BCD
0586 8547    2100      STA    BCD+1
0588 A210    2110      LDX    #$10
058A 0644    2120      CNVBIT:  ASL  BIN
058C 2645    2130      ROL    BIN+1
058E A546    2140      LDA    BCD
0590 6546    2150      ADC    BCD
0592 8546    2160      STA    BCD
0594 A547    2170      LDA    BCD+1
0596 6547    2180      ADC    BCD+1
0598 8547    2190      STA    BCD+1
059A A548    2200      LDA    BCD+2
059C 6548    2210      ADC    BCD+2
059E 8548    2220      STA    BCD+2
05A0 CA      2230      DEX
05A1 D0E7    2240      BNE    CNVBIT
05A3 D8      2250      CLD
05A4 60      2260      RTS
05A5 48      2270      PNTBCD:  PHA
05A6 6A      2280      ROR    A
05A7 6A      2290      ROR    A
05A8 6A      2300      ROR    A
05A9 6A      2310      ROR    A
05AA 20B205 2320      JSR    PBCD
05AD 68      2330      PLA
05AE 20B205 2340      JSR    PBCD
05B1 60      2350      RTS
05B2 290F    2360      PBCD:  AND  #$F
05B4 18      2370      CLC
05B5 6930    2380      ADC    #$30
05B7 200EF8 2390      JSR    OUTCHR
05BA 60      2400      RTS
05BB 20D0B7 2410      NEXTTS:  JSR  RDSCT
05BE AD15B8   2420      LDA    BUFFB1
05C1 8D01B8 2430      STA    TRACK
05C4 AD16B8   2440      LDA    BUFFB1+1
05C7 8D02B8 2450      STA    SECT
05CA AD01B8   2460      PRNTTS:  LDA  TRACK
05CD 201AF8   2470      JSR    HEXPNT
05D0 AD02B8   2480      LDA    SECT
05D3 201AF8   2490      JSR    HEXPNT
05D6 A920     2500      LDA    #$20
05D8 200EF8   2510      JSR    OUTCHR
05DB AD01B8   2520      LDA    TRACK
05DE D0DB     2530      BNE    NEXTTS
05E0 AD02B8   2540      LDA    SECT
05E3 D0D6     2550      BNE    NEXTTS

```

```

05E5 60      2560      RTS
05E6 A208    2570      PRTDIR:  LDX  #$08      ;SETUP
05E8 8640    2580      STX  TEXTP
05EA E8      2590      INX
05EB 8642    2600      STX  TEXTP+2
05ED A900    2610      LDA  #$0
05EF 854E    2620      STA  DRENTC
05F1 A549    2630      NEXT1:  LDA  TSDRT
05F3 8D01B8  2640      STA  TRACK
05F6 A54A    2650      LDA  TSDRS
05F8 8D02B8  2660      STA  SECT
05FB 20D0B7  2670      JSR  RDSCT      ;GET DIR SECTOR
05FE A54E    2680      LDA  DRENTC
0600 D00F    2690      BNE  JUMP1
0602 AD15B8  2700      LDA  BUFFB1
0605 854B    2710      STA  NXDRT
0607 AD16B8  2720      LDA  BUFFB1+1
060A 854C    2730      STA  NXDRS
060C AD17B8  2740      LDA  FILENO
060F 854D    2750      STA  DRENT
0611 200CF8  2760      JUMP1:  JSR  OUTPCR
0614 18      2770      NEXT2:  CLC
0615 A540    2780      LDA  TEXTP
0617 6910    2790      ADC  #$10
0619 8540    2800      STA  TEXTP
061B A541    2810      LDA  TEXTP+1
061D 6900    2820      ADC  #$0
061F 8541    2830      STA  TEXTP+1
0621 A000    2840      LDY  #$0
0623 B140    2850      LDA  (TEXTP),Y
0625 F0ED    2860      BEQ  NEXT2
0627 201005  2870      JSR  OUTXT      ;O/P FILNAME
062A C8      2880      INY
062B C8      2890      INY
062C B140    2900      LDA  (TEXTP),Y
062E 8D02B8  2910      STA  SECT
0631 C8      2920      INY
0632 B140    2930      LDA  (TEXTP),Y
0634 8D01B8  2940      STA  TRACK
0637 20CA05  2950      JSR  PRNTTS
063A E64E    2960      INC  DRENTC
063C A54E    2970      LDA  DRENTC
063E C54D    2980      CMP  DRENT
0640 D0AF    2990      BNE  NEXT1
0642 A54B    3000      LDA  NXDRT
0644 8549    3010      STA  TSDRT
0646 A54C    3020      LDA  NXDRS
0648 854A    3030      STA  TSDRS
064A D09A    3040      BNE  PRTDIR
064C A54B    3050      LDA  NXDRT
064E D096    3060      BNE  PRTDIR
0650 60      3070      RTS

```

No errors.

End of object = \$0650

```

GETSYS = $B7F4  BADDEV = $B706  ERRRET = $B7C7  RDSCT = $B7D0
GETLIN = $B7C4  HEXPCK = $F817  OUTPCR = $F80C  OUTCHR = $F80E
HEXPNT = $F81A  MONTOR = $FC00  POLLKB = $FDFA  UNIT = $B800
TRACK = $B801  SECT = $B802  BUFFB1 = $B815  FILENO = $B817

```

OUTSTR = \$B7D9	FSPS = \$B925	FSPT = \$B926	DRPS = \$B927
DRPT = \$B928	FSCL = \$B929	FSCH = \$B92A	USCL = \$B92B
USCH = \$B92C	ICHAR = \$0001	ICURS = \$000A	HXPB = \$0013
TEXTP = \$0040	MSGPTR = \$0043	BIN = \$0044	BCD = \$0046
TSDRT = \$0049	TSDRS = \$004A	NXDRT = \$004B	NXDRS = \$004C
DRENT = \$004D	DRENTC = \$004E	FILPTR = \$004F	FRSPT = \$0050
FRSPS = \$0051	ERREX = \$040B	GETDRV = \$040E	GETCHR = \$0416
MORE3 = \$0472	MORE4 = \$0489	OUTBCD = \$04EF	OUTXT = \$0510
MORE1 = \$0512	OUTXT1 = \$0514	PMSG = \$0522	MORE2 = \$052F
EXIT = \$0539	MSG1P = \$053A	MSG2P = \$053C	MSG3P = \$053E
MSG4P = \$0540	MSG5P = \$0542	MSG6P = \$0544	MSG7P = \$0546
MSG7 = \$0548	MSG1 = \$0551	MSG2 = \$0559	MSG3 = \$0561
MSG4 = \$0569	MSG5 = \$0571	MSG6 = \$0579	BINBCD = \$0581
CNVBIT = \$058A	PNTBCD = \$05A5	PBCD = \$05B2	NEXTTS = \$05BB
PRNTTS = \$05CA	PRTDIR = \$05E6	NEXT1 = \$05F1	JUMP1 = \$0611
NEXT2 = \$0614			