Disketten-Monitor VC 20

Neben den hervorragenden Möglichkeiten, Diskettеninhalte zu bearbeiten, läßt sich der Bildschirminhalt nach oben und unten scrollen. Außerdem stehen DOS-Erweiterungen, ähnlich dem DOS 5.1, zur Verfügung, die das Diskettenhandling auch vom Basic her wesentlich erleichtern.

Schreib-/Lesebefehle des Disketten-Monitors

R (Track Sektor) [Read Block]	liest den angegebenen Block in den Disketten-Puffer (liest den Block, auf den zuletzt zugegriffen wurde).
W (Track Sektor) [Write Block]	schreibt den Puffer in den angegebenen Block (schreibt den Puffer in den letzten Block).
N [Next Block]	liest den logisch nächsten Block in den Puffer. Nach dem letzten Block wird End of File! ausgegeben.
+	liest den physikalisch nächsten Block in den Puffer.
-	liest den physikalisch vorhergehenden Block in den Puffer.
S [Show]	zeigt aktuelle Track- und Sektornummern an.

Puffer bearbeiten

M (von bis) [Memory]	gibt den gesamten Pufferinhalt aus. (gibt den Pufferinhalt von . . . bis aus. Es können Adressen von $00 bis $FF angegeben werden.) Der Puffer kann durch Überschreiben geändert werden.
CRSR Up	der Puffer kann mit den Cursortasten gescrollt werden.
CRSR Down	Steht noch eine Adresse des Dumps auf dem Bildschirm, wird bei der nächsten (vorhergehenden) Adresse der Dump fortgesetzt. Ansonsten wird der Puffer von Anfang (Ende) ausgegeben.
P Adresse [Put Buffer to Memory]	der Puffer wird in den Speicher geschrieben. Dazu muß eine vierstellige Adresse angegeben werden. Es darf auch unter das Basic-ROM und unter das Kernal-ROM geschrieben werden, da dort der Puffer am wenigsten stört. Nicht zulässig ist der I/O-Bereich. Es werden jedoch keine Fehlermeldungen ausgegeben.
G Adresse [Get Buffer from Memory]	der Puffer wird aus dem angegebenen Bereich gelesen. Es gilt das gleiche wie beim P-Befehl.
C [Copy]	druckt den Pufferinhalt auf einem MPS 801 aus.

Die Diskbefehle

@ (Kommando)	liest den Fehlerkanal. (Sendet das angegebene Kommando zum Floppy-Laufwerk. Das Leerzeichen nach @ muß entfallen.)
$** oder **@$	listet das Directory. Es werden jeweils 20 Files gelistet. Dann stoppt der Ausdruck. Er kann nun mit RUN/STOP abgebrochen oder mit einer beliebigen Taste fortgesetzt werden.
B [BAM]	zeigt die BAM an. Alle Angaben werden in Hex ausgegeben, zum Beispiel Track 18 entspricht $12.
A Track Sektor [Allocate]	kennzeichnet den angegebenen Block in der BAM als belegt. Es wird anschließend zur Kontrolle der B-Befehl aufgerufen.
A T Track [Allocate Track]	kennzeichnet den angegebenen Track als belegt.
A A [Allocate All]	kennzeichnet die gesamte Diskette als belegt.
F Track Sektor [Free]	gibt den angegebenen Block frei.
F T Track [Free Track]	gibt den angegebenen Track frei.
F A [Free All]	gibt die gesamte Diskette frei.
T Track [Tracking]	zeigt die ersten 8 Byte eines jeden Sektors des angegebenen Tracks an.
X [Exit]	Disketten-Monitor verlassen

Unbenutzte Befehle

U	führt einen Kaltstart des Monitors aus (kann später für Erweiterungen benutzt werden).
H	es gilt das Gleiche wie unter U.

Das Dos

Nach dem Verlassen des Monitors werden die Befehle des DOS in der linken oberen Ecke des Bildschirms ausgegeben.

DLOAD	lädt ein Basic-Programm. Es kann direkt aus dem Directory ohne nachfolgenden Doppelpunkt geladen werden. Soll ein File absolut geladen werden, ist dies mit LOAD "Name",8,1 weiterhin möglich.
DSAVE	speichert ein Basic-Programm.
DVERIFY	vergleicht ein Programm mit dem Speicherinhalt.
DIR	listet das Directory ohne Programmverlust. Es gilt das bei »$« Gesagte. Anders als zum Beispiel in Simons Basic sind keine weiteren Eingaben zulässig.
DISK	sendet einen Befehl zum Floppy-Laufwerk. Der Befehl muß in Gänsefüßchen stehen.
DERROR	liest den Fehlerkanal.
DMON	zurück zum Disketten-Monitor.

Die Befehle des Disketten-Monitors

Das Vorprogramm des Disketten-Monitors (siehe Listing) erzeugt nach dem Start das Hauptprogramm auf Diskette. Dieses wird mit SYS 40960 gestartet und steht im Bereich von $A000 bis $AD6D.

Intern wird noch ein Puffer benötigt, auf den der Benutzer Zugriff hat. Der Puffer kann in den Speicher geschrieben und auch wieder gelesen werden, so daß die Möglichkeit besteht, ihn mit einem Maschinensprache-Monitor zu bearbeiten. Es werden keine Veränderungen am DOS der 1541 vorgenommen.

Soweit bekannt, ist der Disketten-Monitor mit allen Basic-Programmen und Hypra-Load kompatibel. Zu beachten ist lediglich, daß der Monitor den Interrupt-Vektor und das DOS den Basic-Vektor benutzt.

Die Befehle können entweder mit Parameter oder ohne Parameter eingegeben werden. Sind Parameter nicht erforderlich, werden sie im folgenden in Klammern angegeben (im Monitor keine Klammern eingeben). Ansonsten muß zwischen den Parametern ein Leerzeichen stehen. Die Angaben in eckigen Klammern sollen lediglich eine Eselsbrücke zum besseren Verständnis der Befehle darstellen. Alle Eingaben werden mit <RETURN> abgeschlossen. Nach Diskettenzugriffen werden automatisch eine oder mehrere (Fehler-) Meldungen des Floppy-Laufwerkes ausgegeben.

Der Disketten-Monitor ist natürlich nur von Diskette-Besitzern anzuwenden. Deshalb wird das Programm auch auf Diskette generiert; für Datasette ist ein ähnliches Programm nicht möglich. (K.-H. Templin/og)

```
0 DATA169,128,141,138,2,120,169,162,141,
20,3,169,160,141,21,3,88,169,0
1 DATA141,113,169,169,31,141,15,144,162,
216,160,169,32,58,169,32,95,168
2 DATA162,0,161,209,201,58,240,14,234,23
4,234,234,234,234,234,234,234,169
3 DATA46,32,210,255,169,0,141,109,169,32
,207,255,201,46,240,249,201,32
4 DATA240,245,162,19,221,115,169,208,18,
142,108,169,169,160,72,169,33,72
5 DATA189,135,169,72,189,155,169,72,96,2
02,16,230,76,34,160,169,58,76,210
6 DATA255,234,234,234,234,234,234,234,23
4,234,234,234,234,234,234,234,234
7 DATA234,234,234,234,234,234,234,234,23
4,234,234,234,234,234,234,234,234
8 DATA234,234,234,234,234,234,234,234,23
4,234,234,234,234,234,234,234,234
9 DATA234,169,160,72,169,230,72,8,72,72,
72,234,234,234,234,76,191,234,173
10 DATA113,169,208,17,120,169,162,141,20
,3,169,160,141,21,3,234,234,234
11 DATA234,234,88,96,173,113,169,208,250
,120,169,191,141,20,3,169,234,141
12 DATA21,3,234,234,234,234,234,234,234,
234,234,234,88,96,88,165,198,208
13 DATA3,76,24,235,173,119,2,201,17,208,
120,165,214,201,22,208,240,165,207
14 DATA240,6,169,0,133,198,240,230,165,2
09,133,92,165,210,133,93,169,23
15 DATA133,94,160,0,32,224,161,201,58,24
0,29,198,94,208,12,169,0,133,95
16 DATA133,198,32,10,162,76,76,161,56,16
5,92,233,22,133,92,176,222,198,93
17 DATA208,218,32,234,161,176,46,169,0,1
33,198,165,95,105,4,144,6,32,95
18 DATA168,76,95,161,168,32,117,168,152,
32,213,167,32,92,168,169,4,32,67
19 DATA168,32,234,168,162,22,160,1,32,12
,229,169,5,133,205,76,24,235,201
20 DATA145,208,249,165,214,208,245,165,2
07,240,6,169,0,133,198,240,235,165
21 DATA209,133,92,165,210,133,93,169,23,
133,94,160,0,32,224,161,201,58,240
22 DATA31,198,94,208,14,169,0,133,198,32
,32,162,32,10,162,169,252,208,32
23 DATA24,165,92,105,22,133,92,144,220,2
30,93,208,216,32,234,161,176,178
24 DATA169,0,133,198,32,32,162,56,165,95
,233,4,144,19,168,32,106,160,152
25 DATA32,213,167,32,92,168,169,4,32,67,
168,32,234,168,162,0,160,1,76,99
26 DATA161,177,92,200,201,32,176,2,9,64,
96,192,22,208,2,56,96,32,224,161
27 DATA201,32,240,243,32,33,168,10,10,10
,10,133,95,32,224,161,32,33,168
28 DATA5,95,133,95,169,255,133,204,165,2
07,240,10,165,206,164,211,145,209
29 DATA169,0,133,207,165,95,24,96,166,21
0,32,39,162,166,244,232,234,234
30 DATA134,173,134,97,162,0,134,172,169,
22,133,96,160,227,162,1,136,177
31 DATA172,145,96,152,208,248,198,173,19
8,97,202,16,241,169,32,166,210,134
32 DATA97,132,96,160,21,145,96,136,16,25
1,162,0,160,0,32,12,229,96,32,202
33 DATA160,169,128,141,113,169,169,27,14
1,15,144,234,234,234,234,234,160
34 DATA0,185,131,170,240,6,32,210,255,20
0,208,245,32,135,162,104,104,76
35 DATA103,228,169,146,141,8,3,169,162,1
41,9,3,96,32,115,0,201,68,240,6
36 DATA32,121,0,76,231,199,162,0,142,114
,169,160,1,189,96,170,240,8,209
37 DATA122,208,21,232,200,208,243,32,251
,200,173,114,169,10,170,189,118
38 DATA170,72,189,117,170,72,96,238,114,
169,173,114,169,201,7,240,11,189
39 DATA96,170,240,3,232,208,248,232,208,
203,160,0,240,188,169,1,44,169,0
40 DATA133,10,32,246,162,32,108,225,76,1
74,199,32,246,162,32,86,225,76,174
41 DATA199,169,0,32,189,255,162,8,160,0,
32,186,255,32,3,226,32,84,226,96
42 DATA32,253,225,138,168,162,8,76,186,2
55,32,117,164,76,174,199,76,246
43 DATA224,169,15,32,195,255,32,47,163,3
2,192,255,176,240,32,195,255,76
44 DATA174,199,169,0,32,189,255,169,15,1
68,162,8,32,186,255,32,3,226,32
45 DATA84,226,96,32,233,164,76,174,199,3
2,207,255,201,13,240,19,32,237,167
46 DATA144,60,141,80,170,32,57,168,32,23
7,167,144,49,141,83,170,32,108,163
47 DATA32,89,168,76,117,164,32,124,168,1
73,108,169,201,1,240,28,169,49,32
48 DATA176,168,162,13,32,198,255,162,0,3
2,207,255,157,0,175,232,208,247
49 DATA32,204,255,32,163,168,96,32,37,16
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Listing. »Disketten-Monitor« für den VC 20

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9,162,13,32,201,255,162,0,189,0
50 DATA175,32,210,255,232,208,247,32,204
,255,169,50,32,176,168,76,142,163
51 DATA174,0,175,240,12,173,1,175,142,80
,170,141,83,170,76,99,163,162,197
52 DATA160,170,76,58,169,174,80,170,173,
83,170,24,105,1,221,175,169,144
53 DATA226,169,0,232,224,36,208,219,162,
1,208,215,174,80,170,173,83,170
54 DATA56,233,1,176,204,202,208,2,162,35
,188,175,169,136,152,208,192,32
55 DATA207,255,201,13,240,90,32,237,167,
144,105,240,103,201,36,72,32,202
56 DATA160,169,128,141,113,169,104,141,8
0,170,169,0,141,83,170,162,213,160
57 DATA170,32,58,169,173,80,170,32,213,1
67,32,95,168,32,95,168,173,83,170
58 DATA32,213,167,32,89,168,32,75,169,16
9,4,160,0,32,67,168,32,234,168,32
59 DATA95,168,174,80,170,172,83,170,200,
152,221,175,169,176,6,141,83,170
60 DATA76,45,164,169,0,141,0,175,141,1,1
75,141,80,170,141,83,170,141,113
61 DATA169,32,179,160,96,32,207,255,201,
13,208,74,32,95,168,169,0,133,144
62 DATA32,202,160,169,8,133,186,32,180,2
55,169,111,133,185,32,150,255,32
63 DATA165,255,201,48,208,32,32,165,255,
201,48,208,8,169,145,32,210,255
64 DATA76,185,164,72,169,48,32,210,255,1
04,76,180,164,32,165,255,36,144
65 DATA112,5,32,210,255,208,244,32,171,2
55,76,179,160,201,36,208,3,76,233
66 DATA164,72,32,202,160,169,8,133,186,3
2,177,255,169,111,133,185,32,147
67 DATA255,104,32,168,255,32,207,255,201
,13,208,246,32,174,255,76,117,164
68 DATA32,95,168,32,202,160,169,11,133,2
53,169,0,133,144,169,62,133,187
69 DATA169,170,133,188,169,1,133,183,169
,8,133,186,169,96,133,185,32,149
70 DATA244,32,122,165,164,144,208,88,160
,6,132,251,32,165,255,166,252,133
71 DATA252,164,144,208,73,164,251,136,20
8,238,164,252,32,205,221,169,32
72 DATA32,210,255,32,165,255,166,144,208
,51,170,240,6,32,210,255,76,51,165
73 DATA32,95,168,198,253,208,31,32,171,2
55,169,11,133,253,32,179,160,165
74 DATA197,201,64,240,250,32,112,247,240
,14,32,122,165,164,144,208,7,32
75 DATA202,160,160,4,208,170,32,218,246,
32,179,160,169,0,133,198,76,120
76 DATA164,165,186,32,180,255,165,185,32
,150,255,96,32,237,167,144,19,168
77 DATA169,4,133,151,32,57,168,32,57,168
,32,25,169,208,248,32,234,168,96
78 DATA160,0,140,111,169,136,140,112,169
,32,207,255,201,13,240,21,32,237
79 DATA167,144,16,141,111,169,32,207,255
,201,13,240,6,32,237,167,141,112
80 DATA169,172,111,169,32,100,168,32,117
,168,152,32,213,167,32,92,168,169
81 DATA4,32,67,168,32,234,168,76,198,165
,32,207,255,201,13,240,34,201,32
82 DATA240,245,201,84,240,109,201,65,208
,3,76,159,166,32,2,168,144,96,141
83 DATA91,170,32,57,168,32,237,167,144,8
5,141,94,170,169,3,205,108,169,208
84 DATA3,169,65,44,169,70,141,87,170,32,
202,160,32,124,168,173,91,170,72
85 DATA32,44,168,142,91,170,141,92,170,1
73,94,170,72,32,44,168,142,94,170
86 DATA141,95,170,162,15,32,201,255,162,
0,189,85,170,32,210,255,232,224
87 DATA11,208,245,104,141,94,170,104,141
,91,170,32,204,255,32,163,168,32
88 DATA102,163,96,32,57,168,32,237,167,2
01,0,240,245,201,36,176,241,133
89 DATA95,32,193,166,169,3,205,108,169,2
08,3,24,144,1,56,8,165,95,72,32
90 DATA206,166,104,104,162,1,142,108,169
,32,99,163,162,1,134,198,162,13
91 DATA142,119,2,169,73,32,198,164,162,0
,142,113,169,76,246,170,32,193,166
92 DATA169,35,133,251,169,3,205,108,169,
208,3,24,144,1,56,8,165,251,72,32
93 DATA206,166,104,198,251,208,245,72,76
,127,166,32,202,160,162,18,169,0
94 DATA142,113,169,76,184,163,186,232,23
2,154,104,170,188,175,169,10,10
95 DATA170,40,176,4,169,0,240,25,152,157
,0,175,169,255,157,1,175,157,2,175
96 DATA152,56,233,17,168,185,211,169,157
,3,175,208,15,157,0,175,157,1,175
97 DATA157,2,175,157,3,175,240,1,104,186
,202,202,202,202,154,96,32,207,255
98 DATA201,13,240,34,32,58,167,32,202,16
0,234,234,234,234,234,177,251,153
99 DATA0,175,200,208,248,234,234,234,234
,32,179,160,169,0,141,80,170,141
100 DATA83,170,96,32,57,168,32,2,168,133
,252,32,57,168,32,2,168,133,251,160
101 DATA0,96,32,207,255,201,13,240,229,3
2,58,167,185,0,175,145,251,200,208
102 DATA248,76,49,167,169,4,170,160,0,32
,186,255,169,0,32,189,255,32,192
103 DATA255,162,4,162,4,32,201,255,76,20
2,160,32,95,168,32,95,168,162,226
104 DATA160,170,32,58,169,173,80,170,32,
213,167,162,235,160,170,32,58,169
105 DATA173,83,170,32,213,167,76,95,168,
32,207,255,201,13,240,9,201,36,240
106 DATA41,201,66,240,38,96,32,192,167,3
2,95,168,32,204,255,169,4,32,195
107 DATA255,76,179,160,160,255,140,112,1
69,200,140,111,169,32,98,167,32,124
108 DATA167,32,195,165,96,96,96,72,74,74
,74,74,32,23,168,170,104,41,15,32
109 DATA23,168,72,138,32,210,255,104,76,
210,255,169,0,141,110,169,32,57,168
110 DATA201,32,208,9,32,57,168,201,32,20
8,15,24,96,32,33,168,10,10,10,10
111 DATA141,110,169,32,57,168,32,33,168,
13,110,169,56,96,24,105,246,144,2
112 DATA105,6,105,58,96,201,58,8,41,15,4
0,144,2,105,8,96,162,48,56,233,10
113 DATA144,3,232,176,249,105,58,96,32,2
07,255,201,13,208,2,104,104,96,133
114 DATA151,32,92,168,185,0,175,32,213,1
67,200,208,3,238,109,169,198,151
115 DATA208,237,96,32,92,168,169,32,44,1
69,13,76,210,255,173,109,169,208
116 DATA6,204,112,169,176,1,96,104,104,9
6,32,95,168,169,58,162,13,76,228
117 DATA167,32,202,160,169,15,168,162,8,
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32,186,255,169,0,32,189,255,32,192
118 DATA255,169,13,168,162,8,32,186,255,
169,1,162,63,160,170,32,189,255,76
119 DATA192,255,169,13,32,195,255,169,15
,32,195,255,76,179,160,141,73,170
120 DATA173,80,170,72,32,44,168,142,80,1
70,141,81,170,173,83,170,72,32,44
121 DATA168,142,83,170,141,84,170,162,15
,32,201,255,162,0,189,72,170,32,210
122 DATA255,232,224,13,208,245,104,141,8
3,170,104,141,80,170,76,204,255,152
123 DATA56,233,4,168,32,92,168,169,18,32
,210,255,162,4,185,0,175,41,127,201
124 DATA32,176,4,169,46,208,3,185,0,175,
32,210,255,169,0,133,212,200,202
125 DATA208,229,169,146,76,210,255,32,23
7,167,144,3,153,0,175,200,198,151
126 DATA96,162,15,32,201,255,162,0,189,6
4,170,32,210,255,232,224,8,208,245
127 DATA76,204,255,134,251,132,252,160,0
,177,251,240,6,32,210,255,200,208
128 DATA246,96,32,124,168,169,49,32,176,
168,162,13,32,198,255,162,0,32,207
129 DATA255,157,0,175,232,224,4,208,245,
32,204,255,76,163,168,255,13,0,0
130 DATA144,164,128,6,58,87,82,65,70,78,
64,36,77,71,80,83,67,88,66,85,72
131 DATA43,45,84,165,163,163,165,165,163
,164,164,165,167,167,167,167,162
132 DATA170,159,159,163,163,163,132,72,7
2,221,221,175,109,232,157,15,76,123
133 DATA158,95,245,255,255,199,224,247,0
,21,21,21,21,21,21,21,21,21,21,21
134 DATA21,21,21,21,21,21,19,19,19,19,19
,19,19,18,18,18,18,18,18,17,17,17
135 DATA17,17,1,3,7,31,31,147,31,18,49,5
3,52,49,32,68,73,83,75,45,77,79,78
136 DATA73,84,79,82,32,86,50,46,53,13,40
,67,41,32,66,89,32,72,79,82,83,84
137 DATA32,82,69,73,67,72,69,82,84,13,32
,32,32,32,32,53,57,48,48,32,83,73
138 DATA69,71,69,78,13,0,0,0,0,0,0,0,0,0
,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
139 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,36,35,66
,45,80,32,49,51,32,48,85,49,58,49
140 DATA51,32,48,32,18,56,32,0,48,66,45,
70,32,48,32,1,49,32,0,48,147,0,148
141 DATA0,149,0,73,83,75,0,73,82,0,69,82
,82,176,0,77,145,0,223,162,236,162
142 DATA220,162,27,163,66,163,18,163,255
,159,147,154,18,68,76,79,65,68,32
143 DATA32,13,18,68,83,65,86,69,32,32,13
,18,68,86,69,82,73,70,89,13,18,68
144 DATA73,82,32,32,32,32,13,18,68,73,83
,75,32,32,32,13,18,68,69,82,82,79
145 DATA82,32,13,18,68,77,79,78,32,32,32
,13,0,32,32,69,78,68,32,79,70,32
146 DATA70,73,76,69,32,33,0,147,32,84,82
,65,67,75,32,58,32,0,32,32,84,82
147 DATA65,67,75,32,58,32,0,32,83,69,75,
84,79,82,32,58,32,0,32,4,171,162
148 DATA0,142,113,169,32,179,160,76,30,1
72,32,193,166,162,41,160,172,32,58
149 DATA169,162,144,189,0,175,32,210,255
,232,224,160,208,245,32,89,168,162
150 DATA95,160,172,32,58,169,173,162,175
,32,210,255,173,163,175,32,210,255
151 DATA32,30,172,32,117,172,234,234,234
,160,20,152,32,213,167,169,45,32
152 DATA210,255,152,240,3,32,95,168,136,
152,16,238,162,0,160,3,32,12,229
153 DATA160,2,169,48,162,15,208,10,234,2
34,234,234,234,234,234,234,162,3
154 DATA32,210,255,202,208,250,24,105,1,
136,208,242,162,1,160,3,32,12,229
155 DATA160,18,169,1,133,251,32,23,168,3
2,210,255,230,251,165,251,201,16
156 DATA208,4,169,0,133,251,136,208,235,
169,1,133,2,162,2,165,2,105,2,168
157 DATA32,12,229,162,20,134,139,169,175
,133,141,169,1,166,2,105,4,202,208
158 DATA251,133,140,165,139,166,2,224,18
,144,32,224,25,144,20,224,31,144
159 DATA8,201,17,144,20,162,4,208,42,201
,18,144,12,162,4,208,34,201,19,144
160 DATA4,162,4,208,26,165,139,74,74,74,
168,177,140,168,165,139,41,7,170
161 DATA152,61,102,172,208,4,162,0,240,2
,162,2,160,2,189,110,172,32,210,255
162 DATA232,136,208,246,165,139,240,5,16
9,17,32,210,255,198,139,16,165,230
163 DATA2,165,2,201,19,240,103,76,154,17
1,96,169,0,133,198,165,198,240,252
164 DATA198,198,96,147,42,61,66,69,76,69
,71,84,13,46,61,70,82,69,73,13,166
165 DATA61,76,69,69,82,13,13,68,73,83,75
,78,65,77,69,32,58,32,0,0,0,0,0,0
166 DATA0,0,0,0,0,0,0,0,0,0,0,0,0,13,73,68
,32,58,32,0,1,2,4,8,16,32,64,128
167 DATA42,157,46,157,166,157,96,169,147
,32,210,255,32,95,168,32,95,168,96
168 DATA32,30,172,32,117,172,160,20,152,
32,213,167,169,45,32,210,255,152
169 DATA240,3,32,95,168,136,152,16,238,1
62,0,160,3,32,12,229,160,2,169,49
170 DATA162,13,208,10,234,234,234,234,23
4,234,234,234,162,4,32,210,255,202
171 DATA208,250,24,105,1,136,208,242,162
,1,160,3,32,12,229,160,17,169,3,133
172 DATA251,32,23,168,32,210,255,230,251
,165,251,201,16,208,4,169,0,133,251
173 DATA136,208,235,169,1,133,3,162,2,16
5,3,105,2,168,32,12,229,162,20,134
174 DATA139,169,175,133,141,169,1,166,2,
105,4,202,208,251,133,140,165,139
175 DATA166,2,224,18,144,32,224,25,144,2
0,224,31,144,8,201,17,144,20,162
176 DATA4,208,42,201,18,144,12,162,4,208
,34,201,19,144,4,162,4,208,26,165
177 DATA139,74,74,74,168,177,140,168,165
,139,41,7,170,152,61,102,172,208
178 DATA4,162,0,240,2,162,2,160,2,189,11
0,172,32,210,255,232,136,208,246
179 DATA165,139,240,5,169,17,32,210,255,
198,139,16,165,230,2,230,3,165,3
180 DATA201,18,240,3,76,231,172,96
200 OPEN8,8,8,"DISK-MONITOR VC20,P,W"
210 PRINT#8,CHR$(0)CHR$(160);
220 FORI=0TO3436:READA:P=P+A:PRINT#8,CHR
$(A);:NEXT
230 CLOSE8
240 IFP<>420282THENPRINT"DATAS NICHT OK!
":STOP
250 PRINT"DATAS OK"
```

Listing. »Disketten-Monitor« für den VC 20 (Schluß)