```
32 DATA0,133,208,162,98,32,135,178,32,20
7,255,133,252,32,207,255,133,253
33 DATA169,0,133,208,165,250,166,251,32,
4,180,141,220,177,165,252,166,253
34 DATA32,4,180,141,221,177,238,221,177,
234,234,234,234,234,234,234,234
35 DATA234,234,234,234,234,234,76,147,17
8,189,77,179,240,6,32,210,255,232
36 DATA208,245,96,169,13,32,210,255,169,
13,32,210,255,169,0,162,176,133
37 DATA167,134,168,169,0,162,5,133,169,1
34,170,169,8,32,177,255,169,111
38 DATA32,147,255,169,77,32,168,255,169,
45,32,168,255,169,87,32,168,255
39 DATA160,0,165,169,32,168,255,165,170,
32,168,255,169,30,32,168,255,177
40 DATA167,32,168,255,200,192,30,144,246
,32,174,255,24,165,167,105,30,133
41 DATA167,144,3,230,168,24,165,169,166,
170,105,30,133,169,144,2,230,170
42 DATA224,7,144,173,201,0,144,169,169,8
,32,177,255,169,111,32,147,255,169
43 DATA77,32,168,255,169,45,32,168,255,1
69,69,32,168,255,169,96,32,168,255
44 DATA169,6,32,168,255,32,174,255,169,0
,133,144,169,8,32,180,255,169,111
45 DATA32,150,255,32,165,255,32,210,255,
36,144,80,246,32,171,255,76,220
46 DATA179,0,0,0,0,0,147,42,32,68,73,83,
75,45,70,79,82,77,65,84,45,83,89
47 DATA83,84,69,77,32,42,13,32,32,32,40,
67,41,32,49,57,56,53,32,66,89,32
48 DATA75,79,83,83,13,13,13,68,73,83,75,
78,65,77,69,58,32,0,0,0,0,0,0,0
49 DATA0,0,0,0,0,0,0,0,13,13,68,73,83,75
,45,73,68,58,32,0,13,13,70,82,79
50 DATA77,32,84,82,65,67,75,58,36,0,13,1
3,84,79,32,84,82,65,67,75,58,36
51 DATA0,13,13,65,78,79,84,72,69,82,32,7
0,79,82,77,65,84,32,40,89,47,78
52 DATA41,32,63,32,13,13,0,0,0,0,0,32,41
,180,162,111,32,135,178,32,228,255
53 DATA240,251,201,89,208,3,76,0,178,96,
0,165,183,240,3,76,133,246,32,0
54 DATA178,169,1,162,0,160,0,24,96,133,2
,134,3,165,2,201,65,144,3,24,105
55 DATA9,41,15,10,10,10,10,133,2,165,3,2
01,65,144,3,24,105,9,41,15,5,2,133
56 DATA2,96,169,242,141,50,3,169,179,141
,51,3,96
100 OPEN8,8,8,"DISK-FORMAT VC20,P,W"
110 PRINT#8,CHR$(1)CHR$(18);
120 FORI=0TO1138:READA:P=P+A:PRINT#8,CHR
$(A);:NEXT
130 CLOSE8
140 IFP<>124284THENPRINT"DATAS NICHT OK"
:STOP
150 PRINT"DATAS OK"
```

**Listing. »Disk-Format-System«. Bitte beachten Sie die Eingabehinweise auf Seite 130.**

# Schnell kopiert mit Hypra-Copy VC 20

**Hypra-Copy VC 20 ist ein schnelles und komfortables Filecopy-Programm für den VC 20. Das Kopieren wird um das Vier- bis Fünffache beschleunigt.**

Trotz der aufwendigen Lade- und Speicherroutinen ist es gelungen, das Programm insgesamt recht kurz zu halten; Hypra-Copy belegt, gespeichert auf der Diskette, nur ganze 15 Blöcke. Somit ist der verfügbare Arbeitsspeicher sehr groß. Hat man das Programm (siehe Listing) abgetippt und gespeichert, wird nach dem Start das eigentliche Programm »Hypra-Copy VC 20« als File auf Diskette erzeugt. So kann es später ganz normal mit »LOAD "HYPRA-COPY VC 20",8« geladen und mit »RUN« gestartet werden. Es erscheint dann das Hauptmenü:

**HYPRA-COPY**
:C: Copy Files
:S: Scratch Files
:D: Directory
:O: Order Disk

Die Bedienung ergibt sich damit eigentlich schon von selbst. Drückt man die Taste <O>, erscheint auf dem Bildschirm eine eckige Klammer mit einem blinkenden Cursor dahinter.

Nun kann man den Befehl eingeben, der zur Floppy geschickt werden soll. Reagiert die Floppy mit einer Fehlermeldung, so wird diese auf dem Bildschirm ausgegeben.

Bei Betätigung der Taste <D> erscheint das Directory. Der Ausdruck kann durch die <CTRL>-Taste angehalten werden. Durch Drücken der <S>-Taste gelangt man in den Scratch-Modus (löschen von Files). Um Verwechslungen mit dem Copy-Modus auszuschließen, wird erst einmal mit einer dicken, reversen Balkenüberschrift darauf aufmerksam gemacht, daß man sich tatsächlich im Scratch-Modus befindet. Danach erscheint das Directory, jedoch erscheint hinter jedem Filenamen ein »(Y/N)«; relative Files sowie Files, deren Länge gleich 0 ist, werden bei dieser Befragung übergangen, denn diese Routine wird auch beim Kopieren gebraucht, und Files mit diesen Eigenschaften kann Hypra-Copy nicht kopieren.

Files, die sich Hypra-Copy merken soll, müssen mit <Y> markiert werden. Ist man versehentlich im Scratch-Modus gelandet, so kann man diesen Modus mit der STOP-Taste verlassen (ansonsten dient die STOP-Taste dazu, Hypra-Copy zu beenden; man kann es dann aber wieder mit »RUN« starten).

So werden nach und nach alle Files des Directories durchgegangen. Will man nur einige wenige Files am Anfang eines ellenlangen Directories löschen (oder kopieren), so braucht

man die restlichen Files nicht mehr mit <N> zu bearbeiten, es genügt ein Druck auf die <↑>-Taste, und man gelangt zum Ende des Directories. Hier wird dann gefragt, ob man nun auch sicher ist, daß diese Files gelöscht werden sollen. Beantwortet man diese Frage mit <N>, gelangt man zurück in das Hauptmenü, andernfalls werden die markierten Files gelöscht.

Damit man weiß, wie weit das Programm mit dem Löschen ist, wird immer der Name des Files ausgegeben, das gerade gelöscht wird. Am Ende des Löschvorgangs gelangt man automatisch wieder in das Hauptmenü.

## Der Copy-Modus

So, nun zum Copy-Modus, in den man mit der <C>-Taste kommt. Zuerst werden wieder, genau wie beim Löschen, die Namen der zu kopierenden Files eingelesen.

Danach wird gefragt, ob man die Files einzeln oder gesammelt kopieren will und ob beim Speichern ein »VERIFY« durchgeführt werden soll. Verzichtet man auf dieses Verify, so wird etwas schneller kopiert. Um den Bedienungskomfort zu erhöhen, werden die Antworten auf diese Fragen, wie auch auf die »SURE?«-Frage (sure = Sind Sie sicher?) im Scratch-Modus und die »SAVE BUFFER AGAIN?«-Frage (Soll das gleiche noch einmal gespeichert werden?), nicht per GET ($FFE4), sondern per BASIN ($FFCF) eingelesen, wobei die erwartete Antwort schon vorgegeben ist; man braucht also nur noch RETURN drücken; natürlich kann diese vorgegebene Antwort aber auch überschrieben werden.

Nun werden die Programme geladen. Ist die Summe der Blöcke der einzelnen Files kleiner als der im VC 20 verfügbare Speicher, können sogar alle auf einmal eingelesen werden; andernfalls wird ein erneuter Ladeanlauf nötig.

Sind die Files geladen, wird man aufgefordert, die Ziel-Disk einzulegen; außerdem wird noch die Anzahl der zu speichernden Blocks angegeben, und ein Untermenü erscheint.

Es besteht jetzt noch die Möglichkeit, diverse Directories anzusehen oder Befehle zur Floppy zu schicken.

Man kann also in aller Ruhe eine passende Diskette aussuchen. Ist man gewillt fortzufahren, so drückt man einfach die Funktionstaste <F7>, dann beginnt nämlich das Speichern. Anschließend wird man gefragt, ob man eben diese Files noch einmal auf eine andere Diskette schreiben will. Beantwortet man diese Frage mit <Y>, beginnt der komplette SAVE-Vorgang von neuem. Andernfalls wird normal fortgefahren und, wie schon erwähnt, können erneute Ladeanläufe erforderlich werden.

Wurden alle Files kopiert, so wird in das Hauptmenü zurückgekehrt.

Nun zur Fehlerbehandlung: Mit »Fehlern« sind nicht Fehler gemeint, die in der Programmstruktur von Hypra-Copy liegen, sondern Fehler, die von der Floppy signalisiert werden; sei es, daß man einen unkorrekten Befehl an die Floppy schickt, man beim Kopieren die falsche Diskette einlegt oder Schreib- oder Lesefehler auftreten.

## Erste Hilfe bei Fehlern

In solchen oder ähnlichen Fällen besteht immer die Möglichkeit, den Vorgang, bei dem der Fehler aufgetreten ist, zu wiederholen beziehungsweise zu übergehen. Treten Fehler beim Öffnen eines Files auf, so kann man sogar nochmals Directories ansehen und Befehle an die Floppy schicken. War es nicht möglich, ein File korrekt zu laden und wurde es übergangen, so wird dies bei der Angabe der zu speichernden Blöcke, wie auch beim Speichern selbst, berücksichtigt. Können Files aus irgendeinem Grund nicht korrekt gespeichert werden, so kann man diese auch überspringen.

(Burkhard Graves/K. H. Templin/og)

```
0 DATA 11,18,193,7,158,52,54,50,49,0,0,0,1
  69,8,141,15,144,120,169,91,141                <238>
1 DATA 24,3,238,25,3,88,162,0,134,5,142,59
  ,19,169,64,133,157,169,213,160                <098>
2 DATA 18,32,30,203,32,225,19,76,28,18,165
  ,247,24,105,19,133,247,144,2,230              <129>
3 DATA 248,201,234,96,169,176,133,247,133,
  249,169,32,133,248,133,250,96                 <213>
4 DATA 13,18,32,33,32,83,67,82,65,84,67,72
  ,32,70,73,76,69,83,32,33,32,17                <131>
5 DATA 13,0,13,17,67,79,80,89,32,83,69,80,
  65,82,65,84,69,76,89,32,63,32                 <222>
6 DATA 78,157,0,13,17,86,69,82,73,70,89,32
  ,63,32,78,157,0,13,17,83,85,82                <135>
7 DATA 69,32,63,32,89,157,0,13,17,58,84,58
  ,32,84,82,89,32,65,71,65,73,78                <010>
8 DATA 13,17,58,70,55,58,32,84,79,32,67,79
  ,78,84,73,78,85,69,17,13,0,13                 <175>
9 DATA 17,83,65,86,69,32,66,85,70,70,69,82
  ,32,65,71,65,73,78,32,63,32,78                <100>
10 DATA 157,0,147,5,17,29,62,32,72,89,80,8
  2,65,45,67,79,80,89,32,60,13,29               <007>
11 DATA 29,196,196,196,196,196,196,196,196
  ,196,196,196,196,17,17,13,58,67               <053>
12 DATA 58,32,67,79,80,89,32,70,73,76,69,8
  3,17,13,58,83,58,32,83,67,82,65               <234>
13 DATA 84,67,72,32,70,73,76,69,83,13,17,5
  8,68,58,32,68,73,82,69,67,84,79               <082>
14 DATA 82,89,17,13,58,79,58,32,79,82,68,6
  9,82,32,68,73,83,75,17,13,0,145               <208>
15 DATA 58,70,55,58,32,84,79,32,67,79,78,8
  4,73,78,85,69,17,13,0,18,40,89                <250>
16 DATA 47,78,41,146,0,20,20,20,20,20,157,
  60,45,0,13,17,76,73,83,84,32,70               <160>
17 DATA 85,76,76,32,33,17,13,0,13,73,78,83
  ,69,82,84,32,83,79,85,82,67,69                <170>
18 DATA 32,68,73,83,75,13,0,13,73,78,83,69
  ,82,84,32,84,65,82,71,69,84,32                <056>
19 DATA 68,73,83,75,32,195,13,0,32,66,76,7
  9,67,75,83,32,84,79,32,83,65,86               <050>
20 DATA 69,13,0,13,17,17,68,73,83,75,32,69
  ,82,82,79,82,13,0,13,17,17,76,79              <159>
21 DATA 65,68,32,69,82,82,79,82,32,33,0,32
  ,66,18,160,0,152,145,247,200,208              <146>
22 DATA 251,230,248,166,248,224,42,208,243
  ,96,169,0,133,198,32,228,255,240              <105>
23 DATA 251,166,5,240,3,76,201,20,201,67,2
  08,74,32,205,19,162,0,134,3,32                <121>
24 DATA 66,18,32,52,21,162,0,189,176,32,20
  8,1,96,169,103,160,18,32,30,203               <154>
25 DATA 169,0,133,198,133,65,32,207,255,20
  1,89,208,2,133,65,169,76,141,169              <121>
26 DATA 31,169,126,160,18,32,30,203,169,0,
  133,198,32,207,255,201,89,208,5               <072>
27 DATA 169,44,141,169,31,76,2,23,201,83,2
  40,3,76,201,20,169,164,160,19,32              <055>
28 DATA 45,21,169,79,160,18,32,30,203,169,
  0,133,3,32,205,19,32,66,18,32,52              <031>
29 DATA 21,32,66,18,169,0,133,198,169,140,
  160,18,32,30,203,32,207,255,201               <200>
30 DATA 89,240,1,96,169,13,32,210,255,32,2
  10,255,169,8,32,177,255,169,111               <000>
31 DATA 32,147,255,160,0,177,247,240,53,16
  9,83,32,168,255,32,210,255,169                <113>
32 DATA 58,32,168,255,32,210,255,200,177,2
  47,201,44,240,9,32,168,255,32,210             <224>
33 DATA 255,76,159,20,169,13,32,168,255,32
  ,210,255,169,8,32,174,255,32,201              <170>
```

```
34 DATA 22,32,52,18,208,187,169,8,76,174,2
   55,201,136,208,1,96,201,84,208          <110>
35 DATA 1,96,201,68,208,14,162,25,134,3,32
   ,52,21,166,203,224,64,240,250,96        <126>
36 DATA 201,79,208,49,169,93,32,210,255,16
   9,8,32,177,255,169,111,32,147,255       <010>
37 DATA 169,0,133,198,32,207,255,32,168,25
   5,201,13,208,246,32,210,255,169         <070>
38 DATA 8,32,174,255,32,201,22,176,1,96,32
   ,105,22,144,208,96,201,3,208,3          <044>
39 DATA 76,187,22,76,229,19,169,13,32,210,
   255,160,22,169,195,32,210,255,136       <097>
40 DATA 208,250,96,32,71,22,169,96,133,185
   ,169,1,162,208,160,255,32,141,22        <190>
41 DATA 144,3,76,96,22,165,186,32,180,255,
   165,185,32,150,255,169,0,133,144        <028>
42 DATA 160,3,32,79,22,133,2,32,79,22,136,
   208,245,132,5,166,2,32,205,221          <019>
43 DATA 169,32,32,210,255,32,79,22,164,3,2
   08,66,201,34,208,62,133,5,32,210        <041>
44 DATA 255,160,19,169,0,133,6,145,247,136
   ,16,251,200,32,79,22,32,210,255         <096>
45 DATA 201,34,240,5,200,145,247,208,241,1
   69,44,200,145,247,32,79,22,201          <172>
46 DATA 80,240,8,201,83,240,4,201,85,208,5
   ,200,145,247,208,5,32,210,255,208       <205>
47 DATA 231,170,240,5,32,210,255,208,175,1
   65,2,240,115,201,92,176,111,165         <014>
48 DATA 5,240,107,169,29,133,211,169,80,16
   0,19,32,30,203,169,0,133,198,133         <008>
49 DATA 251,32,228,255,240,251,201,3,208,8
   ,32,71,22,104,104,76,28,18,201          <242>
50 DATA 94,208,5,133,6,76,36,22,201,89,208
   ,36,169,157,141,93,19,32,25,22           <046>
51 DATA 160,0,165,2,145,247,32,52,18,208,4
   1,169,97,160,19,32,30,203,76,71          <203>
52 DATA 22,169,88,160,19,76,30,203,201,78,
   208,186,169,0,141,93,19,32,25,22         <187>
53 DATA 160,0,152,145,247,165,6,240,3,76,7
   1,22,169,13,32,210,255,173,141           <131>
54 DATA 2,208,251,160,2,76,89,21,169,8,32,
   195,255,76,231,255,32,165,255,166        <248>
55 DATA 144,240,18,104,104,32,71,22,32,201
   ,22,144,8,32,105,22,176,3,76,52          <226>
56 DATA 21,96,169,152,160,18,32,30,203,160
   ,0,132,198,32,228,255,170,169,0          <015>
57 DATA 224,84,208,2,24,96,224,136,208,2,5
   6,96,224,3,208,234,76,187,22,32          <021>
58 DATA 189,255,32,89,246,169,8,133,184,13
   3,186,169,8,32,177,255,169,111           <171>
59 DATA 32,147,255,169,85,32,168,255,169,7
   3,32,168,255,169,8,32,174,255,32         <223>
60 DATA 192,255,176,3,76,201,22,96,32,71,2
   2,32,82,253,169,13,32,210,255,76         <237>
61 DATA 129,227,169,8,32,180,255,169,111,3
   2,150,255,32,165,255,170,56,233          <004>
62 DATA 48,133,140,240,10,138,72,169,174,1
   60,19,32,30,203,104,166,140,240          <212>
63 DATA 3,32,210,255,32,165,255,201,13,208
   ,242,169,8,32,171,255,24,165,140         <136>
64 DATA 240,1,56,96,32,66,18,169,0,133,139
   ,169,0,133,174,133,6,168,153,83          <153>
65 DATA 32,200,192,90,208,248,169,36,133,1
   75,160,0,177,247,208,1,96,32,36          <045>
66 DATA 21,165,139,240,16,169,114,160,19,3
   2,30,203,169,0,133,198,32,228,255        <096>
67 DATA 240,251,169,93,133,64,133,253,230,
   139,160,0,177,247,133,254,240,114        <230>
68 DATA 197,64,144,6,32,188,23,76,9,23,162
   ,0,134,185,165,64,56,229,254,133         <041>
69 DATA 64,165,253,56,229,254,133,253,165,
   174,133,105,165,175,133,106,165          <144>
70 DATA 105,133,174,165,106,133,175,32,92,
   24,176,17,32,204,24,144,23,169           <181>
71 DATA 189,160,19,32,30,203,32,105,22,144
   ,226,165,253,24,101,254,133,253          <126>
72 DATA 169,0,240,2,169,234,133,255,164,6,
   165,175,153,83,32,200,165,174,153        <046>
73 DATA 83,32,200,165,255,153,83,32,200,13
   2,6,32,52,18,240,6,165,65,208,148        <123>
74 DATA 240,134,169,0,133,193,133,6,169,36
   ,133,194,165,249,133,247,165,250         <130>
75 DATA 133,248,32,36,21,169,135,160,19,32
   ,30,203,169,93,56,229,253,170,169        <233>
76 DATA 0,32,205,221,169,157,160,19,32,30,
   203,169,13,141,59,19,133,5,169           <051>
77 DATA 27,160,19,32,30,203,32,225,19,201,
   136,208,235,164,6,185,83,32,240          <152>
78 DATA 56,133,175,200,185,83,32,133,174,2
   00,185,83,32,200,132,6,170,240           <238>
79 DATA 25,169,1,133,185,32,92,24,176,16,3
   2,131,28,32,71,22,32,201,22,144          <120>
80 DATA 5,32,105,22,144,235,165,174,133,19
   3,165,175,133,194,32,52,18,208           <112>
81 DATA 193,169,188,160,18,32,30,203,169,0
   ,133,198,32,207,255,201,89,208           <208>
82 DATA 3,76,188,23,165,247,133,249,165,24
   8,133,250,96,162,5,165,185,41,1          <186>
83 DATA 208,7,162,32,160,73,76,109,24,160,
   81,32,230,241,138,32,210,255,166         <019>
84 DATA 247,164,248,232,208,1,200,169,18,3
   2,141,22,176,12,234,234,234,234          <125>
85 DATA 234,234,234,234,234,234,24,96,32,7
   1,22,165,185,133,254,169,0,141           <103>
86 DATA 59,19,169,13,32,210,255,133,5,169,
   27,160,19,32,30,203,169,145,32           <131>
87 DATA 210,255,32,210,255,169,152,160,18,
   32,30,203,32,225,19,201,84,208           <190>
88 DATA 7,165,254,133,185,76,92,24,201,136
   ,208,209,56,96,165,186,32,180,255        <210>
89 DATA 165,185,32,150,255,160,0,32,165,25
   5,234,234,234,234,145,174,234,234        <138>
90 DATA 200,192,2,208,240,32,71,22,165,174
   ,24,105,2,133,174,144,11,230,175         <185>
91 DATA 208,7,165,167,201,8,240,23,0,169,1
   ,133,167,169,0,133,144,165,167           <136>
92 DATA 32,23,238,169,111,32,192,238,165,1
   44,16,227,230,167,165,167,201,16         <225>
93 DATA 208,230,169,141,162,26,133,167,134
   ,168,169,0,162,3,133,169,134,170         <143>
94 DATA 169,8,32,23,238,169,111,32,192,238
   ,169,77,32,228,238,169,45,32,228         <038>
95 DATA 238,169,87,32,228,238,160,0,165,16
   9,32,228,238,165,170,32,228,238          <185>
96 DATA 169,30,32,228,238,177,167,32,228,2
   38,200,192,30,144,246,32,4,239           <012>
97 DATA 24,165,167,105,30,133,167,144,3,23
   0,168,24,165,169,166,170,105,30          <249>
98 DATA 133,169,144,2,230,170,224,5,144,17
   3,201,0,144,169,169,8,32,23,238          <100>
99 DATA 169,111,32,192,238,169,77,32,228,2
   38,169,45,32,228,238,169,69,32           <128>
100 DATA 228,238,169,139,32,228,238,169,4,
    32,228,238,32,1,239,234,234,234         <142>
101 DATA 234,234,234,234,120,169,1,133,167
    ,160,255,32,48,26,192,255,240,68        <058>
102 DATA 234,234,234,234,162,2,165,167,240
    ,2,162,4,173,0,35,208,7,238,1,35        <233>
103 DATA 173,1,35,44,169,0,133,168,189,0,3
    5,145,174,230,174,208,2,230,175         <222>
104 DATA 232,228,168,208,240,162,0,134,167
    ,234,234,234,234,173,0,35,208,190        <039>
105 DATA 234,234,234,234,234,169,64,133,14
    4,24,96,56,96,169,128,141,31,145         <249>
106 DATA 173,31,145,41,2,240,249,169,0,141
    ,31,145,162,6,202,208,253,162,4          <010>
107 DATA 173,31,145,106,102,176,106,102,17
    6,234,234,202,208,242,165,176,73         <217>
108 DATA 255,96,32,5,26,201,255,240,248,16
    0,0,169,128,141,31,145,173,31,145        <056>
109 DATA 41,2,240,249,169,0,141,31,145,162
    ,7,202,208,253,173,31,145,106,102        <146>
110 DATA 176,106,102,176,234,234,234,234,2
    34,173,31,145,106,102,176,106,102        <159>
111 DATA 176,234,234,234,234,234,173,31,14
    5,106,102,176,106,102,176,234,234        <021>
112 DATA 234,234,234,173,31,145,106,102,17
    6,106,102,176,165,176,73,255,153         <138>
113 DATA 0,35,200,208,173,96,165,0,41,6,20
    1,2,240,3,76,158,253,234,169,5,133       <193>
114 DATA 9,162,90,134,75,162,0,169,82,133,
    36,32,86,245,80,254,184,173,1,28         <005>
115 DATA 197,36,240,9,198,75,208,239,169,1
    0,76,105,249,80,254,184,173,1,28         <106>
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**Listing. »Hypra-Copy«. Bitte mit dem Checksummer (Seite 129) eingeben.**

```
116 DATA 149,37,232,224,7,208,243,32,151,2
    44,165,22,69,23,69,24,69,25,69,26      <148>
117 DATA 240,7,198,9,208,192,76,30,244,165
    ,24,197,6,240,3,76,11,244,133,34       <117>
118 DATA 169,6,133,49,76,60,4,165,18,166,1
    9,133,22,134,23,165,6,133,24,165       <117>
119 DATA 7,133,25,169,0,69,22,69,23,69,24,
    69,25,133,26,32,52,249,162,90,32       <110>
120 DATA 86,245,160,0,80,254,184,173,1,28,
    217,36,0,240,6,202,208,237,76,81       <002>
121 DATA 245,200,192,8,208,234,32,86,245,8
    0,254,184,173,1,28,145,48,200,208      <254>
122 DATA 245,160,186,80,254,184,173,1,28,1
    53,0,1,200,208,244,32,224,248,165      <218>
123 DATA 56,197,71,240,3,76,246,244,32,233
    ,245,197,58,240,3,76,2,245,160,0       <042>
124 DATA 169,85,32,82,4,185,0,6,133,119,44
    ,0,24,16,251,169,16,141,0,24,44        <145>
125 DATA 0,24,48,251,162,0,138,102,119,42,
    42,102,119,42,42,141,0,24,138,102      <129>
126 DATA 119,42,42,102,119,42,42,141,0,24,
    138,102,119,42,42,102,119,42,42        <233>
127 DATA 141,0,24,138,102,119,42,42,102,11
    9,42,42,141,0,24,162,2,202,208,253     <112>
128 DATA 169,15,141,0,24,200,208,173,234,2
    34,234,234,234,234,234,173,0,28        <057>
129 DATA 9,8,141,0,28,173,0,6,208,3,76,158
    ,253,197,24,208,249,133,6,173,1        <074>
130 DATA 6,133,7,76,101,3,133,119,44,0,24,
    16,251,169,16,141,0,24,44,0,24,48      <093>
131 DATA 251,162,4,169,0,102,119,42,42,102
    ,119,42,42,141,0,24,202,208,240        <153>
132 DATA 234,234,234,234,234,234,169,15,14
    1,0,24,96,96,133,0,88,165,0,48,252     <226>
133 DATA 120,96,120,234,234,234,234,234,23
    4,165,24,141,0,6,133,6,165,25,141      <012>
134 DATA 1,6,133,7,169,4,133,120,169,226,3
    2,130,4,201,2,144,51,160,0,132,120     <124>
135 DATA 164,120,185,219,254,240,18,88,32,
    118,214,120,169,226,32,130,4,201       <239>
136 DATA 2,144,26,230,120,208,231,169,192,
    32,130,4,169,226,32,130,4,201,2        <204>
137 DATA 144,8,169,255,32,82,4,76,34,235,1
    73,0,6,240,248,197,24,240,196,173      <188>
138 DATA 0,6,133,6,173,1,6,133,7,76,160,4,
    173,44,145,141,31,1,165,186,32,23      <130>
139 DATA 238,165,185,32,192,238,169,0,133,
    144,32,228,238,32,228,238,32,4,239     <188>
140 DATA 165,144,240,2,24,96,169,23,162,30
    ,133,172,134,173,169,70,162,1,133      <046>
141 DATA 20,134,21,162,5,165,186,32,23,238
    ,169,111,32,192,238,160,0,185,15       <045>
142 DATA 30,32,228,238,200,192,3,208,245,1
    65,20,32,228,238,165,21,32,228,238     <000>
143 DATA 169,31,32,228,238,160,0,177,172,3
    2,228,238,200,192,31,144,246,32        <205>
144 DATA 4,239,165,172,24,105,31,133,172,1
    44,2,230,173,165,20,24,105,31,133       <049>
145 DATA 20,144,2,230,21,202,208,178,165,1
    86,32,23,238,169,111,32,192,238         <097>
146 DATA 160,0,185,18,30,32,228,238,200,19
    2,5,208,245,160,0,32,4,239,120,162      <014>
147 DATA 0,142,31,145,169,220,141,44,145,2
    34,189,178,30,157,0,35,232,208,247      <074>
148 DATA 173,31,145,41,2,208,249,32,251,29
    ,162,0,189,178,31,157,0,35,232,208      <134>
149 DATA 247,32,251,29,32,210,251,162,1,32
    ,17,253,176,23,160,0,177,172,157        <157>
150 DATA 1,35,232,32,27,253,224,255,144,23
    6,32,17,253,176,3,169,255,44,169        <005>
151 DATA 0,72,141,0,35,142,1,35,32,251,29,
    162,1,104,208,211,24,169,0,72,173       <238>
152 DATA 31,1,141,44,145,120,104,96,185,0,
    35,133,149,162,0,173,31,145,41,1        <011>
153 DATA 240,249,173,31,145,41,2,240,5,232
    ,208,246,240,217,169,222,141,44         <126>
154 DATA 145,42,42,42,6,149,42,42,42,42,6,
    149,42,42,141,44,145,42,42,42,6         <189>
155 DATA 149,42,42,42,42,6,149,42,42,141,4
    4,145,42,42,42,6,149,42,42,42,42        <214>
156 DATA 6,149,42,42,141,44,145,42,42,42,6
    ,149,42,42,42,42,6,149,42,42,141        <121>
157 DATA 44,145,234,234,234,234,234,169,22
    0,141,44,145,200,208,148,96,160         <181>
158 DATA 0,152,89,0,35,200,208,250,133,20,
    32,142,29,136,165,20,76,145,29,77       <238>
159 DATA 45,87,77,45,69,187,1,160,0,132,17
    ,169,2,141,0,24,169,4,44,0,24,240       <156>
160 DATA 251,169,0,141,0,24,162,4,202,208,
    253,162,10,173,0,24,74,38,133,74        <025>
161 DATA 74,38,133,97,0,101,0,173,0,24,74,
    38,133,74,74,38,133,97,0,101,0,173      <225>
162 DATA 0,24,74,38,133,74,74,38,133,97,0,
    101,0,173,0,24,142,0,24,74,38,133       <039>
163 DATA 74,74,38,133,165,133,145,48,69,17
    ,133,17,200,208,166,136,96,133,49       <187>
164 DATA 32,70,1,177,48,72,32,74,1,104,145
    ,48,165,17,240,237,76,67,232,120        <163>
165 DATA 169,10,141,0,24,162,0,136,208,253
    ,202,208,250,169,10,133,105,169         <140>
166 DATA 0,133,48,169,3,32,166,1,169,4,32,
    166,1,76,61,4,234,234,234,165,0         <252>
167 DATA 162,1,134,0,41,2,240,16,166,152,1
    34,50,32,46,4,32,175,3,32,3,4,76        <071>
168 DATA 105,249,162,8,32,53,3,162,10,32,5
    3,3,162,8,32,245,3,162,10,32,245        <046>
169 DATA 3,165,140,48,232,76,105,249,134,5
    0,134,152,165,140,16,97,181,131         <043>
170 DATA 208,93,189,49,4,32,166,1,200,166,
    50,169,128,149,131,165,128,149,0        <141>
171 DATA 165,129,149,1,177,48,240,28,32,33
    ,241,166,130,246,181,208,2,246,187      <141>
172 DATA 160,0,165,128,145,48,200,165,129,
    145,48,165,128,197,34,240,2,132         <165>
173 DATA 140,166,50,169,0,133,48,133,51,13
    3,46,133,54,133,12,133,80,169,187       <200>
174 DATA 133,52,189,49,4,133,47,32,233,245
    ,133,58,189,50,4,32,163,247,166         <093>
175 DATA 50,181,131,240,82,32,46,4,173,0,2
    8,41,16,208,3,76,129,245,32,16,245      <204>
176 DATA 162,9,80,254,184,202,208,250,169,
    255,141,3,28,173,12,28,41,31,9,192      <243>
177 DATA 141,12,28,169,255,162,5,141,1,28,
    184,80,254,184,202,208,250,160,187      <180>
178 DATA 177,12,80,254,184,141,1,28,200,20
    8,245,177,48,80,254,184,141,1,28        <232>
179 DATA 200,208,245,80,254,76,0,254,96,13
    4,50,44,36,4,134,152,181,131,240        <206>
180 DATA 244,32,46,4,32,10,245,160,187,177
    ,12,80,254,184,77,1,28,208,25,200       <252>
181 DATA 208,243,177,48,80,254,184,77,1,28
    ,208,12,200,192,253,208,241,166         <219>
182 DATA 50,169,0,149,131,96,76,197,246,18
    9,49,4,133,49,189,50,4,133,13,96        <154>
183 DATA 5,1,6,4,88,32,25,241,169,132,213,
    167,240,5,149,167,32,66,208,169          <051>
184 DATA 64,141,249,2,169,1,133,131,32,7,2
    09,144,3,76,248,207,32,62,222,246        <111>
185 DATA 181,169,0,133,139,133,141,169,128
    ,133,140,165,128,133,6,169,224,133       <203>
186 DATA 0,165,0,48,252,240,36,201,1,240,2
    34,165,24,133,6,165,25,133,7,162         <116>
187 DATA 0,169,176,32,125,213,32,153,213,1
    69,226,32,125,213,32,153,213,165         <198>
188 DATA 140,208,204,240,206,76,35,219,42,
    48,49,42,48,50,42,48,51,42,48,52         <036>
189 DATA 42,48,53,42,48,54,42,48,55,42,48,
    56,42,48,57,42,49,48,42,49,49,42         <121>
190 DATA 49,50,42,49,51,42,49,52,42,49,53,
    42,49,54,42,49,55,42,49,56,42,49         <031>
191 DATA 57,42,50,48,42,50,49,42,50,50,42,
    50,51,42,50,52,42,50,53,42,50,54         <055>
192 DATA 42,50,55,42,50,56,42,50,57,42,51,
    48,0,0,0                                 <093>
200 OPEN 1,8,15:CLOSE 1:IF ST=0 THEN 240     <139>
210 PRINT"BITTE FLOPPY ANSCHLIESSEN, DANN<
    SPACE>"                                  <198>
220 GET T$:IF T$<>" "THEN 220                <230>
230 GOTO 200                                 <166>
240 OPEN 8,8,8,"HYPRA-COPY VC20,P,W"         <100>
250 PRINT#8,CHR$(1)CHR$(18);                 <208>
260 FOR I=0 TO 3758:READ A:P=P+A             <247>
270 PRINT#8,CHR$(A);                         <054>
280 NEXT:CLOSE 8                             <006>
290 IF P<>421304 THEN PRINT"DATAS NICHT OK
    ":STOP                                   <040>
300 PRINT"DATAS OK"                          <245>
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**Listing. »Hypra-Copy« (Schluß)**