

T CMD	Page $\emptyset$	Communication	✓
K Bin	$\emptyset$	Komponentenlist	✓
B Bin	$\emptyset$	Wav/EVU Parameter-Set	✓
P .CMD	Print		✓
P .BIN		Play Command	✓
V .CMD	(Help Page)	Softkey, Sende, INIT	✓
NN .CMD	New disk	Formatter	
MM .CMD	Merge Transienten		✓
W Bin	Page 1, 2, 3		✓
R CMD	4	Resonator	✓
Q CMD	4	" "	✓
H CMD	Help for	Page x Select Funktion	✓
C Bin	Page 5	Event Copie Page	✓
M Bin	(5)	Event	✓
E Bin	5	Event	
HH CMD	Help-Page	Get, Delete, Save, N1	✓
SS CMD	Save .USR		✓
DD CMD	Delete .USR		✓
FI CMD	Files on the Disk	Listing	✓
FB Bin	Single Sequenz	S $\emptyset$ x x .USR	✓
RR CMD	Transient Resonator	Lower Wavetable: Save	✓
GG CMD	Get all	Files	✓
CO CMD	Copy + Original	Legitim Copie	✓
D CMD	Drucker f.	→ EVENTS	✓

PPG WT Software

SENIDE Code Conbyrat

A B T.CM) Waveterm

A		B		T.CM) Waveterm	
1011	8	F		1001	Wave Parameter Set
7	B	g			
0	7	6		0110	
10	2	7		0001	
10 2 2 0010					
10	2	2		0010	
0	0	3		0011	
10 2 2 0010					
10 0 2 0010					
0 0 2 0010					
0	0	2		0010	
0011	3	5		0101	R.CM)
0001	7	g		1001	
0000	0	C		1100	
0101	5	2		0011	E. Bit
0000	0	g		1001	
0000	0	4		100	
0000	0	8		1000	
0111	7	7		1	

4,6

7

freq?

(4,6)
foci?

(7)

V.CM) EE04 $\Rightarrow$ 7
 5BE4 $\rightarrow$ EE05, 6
 ECF3 is ECFB = 0
 Band 0
 EE09 = 55
 0 is 4000 = 00
 Get X
 T.CM)

6000 T.CM) INIT PIA, S
 ECHO, INPENB, ZIFF = 0
 RECC, Page m, INVFLG, INESC = 7
 INPW = FF
 EVUA = 20

INIT Page 0



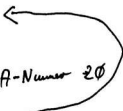
INITAS V.CM)



JSR JNCHA



JSR SoftK A-Number 20



W. Bin ImpTable
6B54 = 71B7 $\hat{=}$ Print Page RTS

R. CMD ↑
bei Adresse 60C7

↓ Prog his Send e

R. CMD 6000 Start 6096 = 5000 jmp RTL

[INPU]: E. Bin $\rightarrow$ LDX # Z67EE oder Z6A65
STX > INPU ↑
Routine in E. BIN ↑

60E8 - 60FC FCC
X 6247 - 626A FDB
636F - 637C FCB Note

6429 - 64~~40~~ FCB Note
X 64DE - 6502 FCB
6503 - 6525 FCC

671E - 6724

6725 - 6729

672A - 6739

673A - 6749

6A13 - 6B20

6B27 - 6B2D

6B2E - 6B3A

6B3B - 6B78

6B79 - 6BB6

FCC
↓ FCB
6BB7-6BF6

" 6BF~~7~~ 6D60

" 7800-783D

" E.B. in

"

"

"

"

M. Bin 7000 - 7075 FDB

740D - 747C FCB

7768 - 777A FCB

C. Bin 7D9F - 7DAF FCC

7DB0 - 7DBC

7DBD - 7DCD

7DCE - 7E1D

7E1E - 7EA7

7EA2 - 7EF7

7EF2 - 7EF9

7EFA - 7F04

7F05 - 7F35

78C3 - 78DB

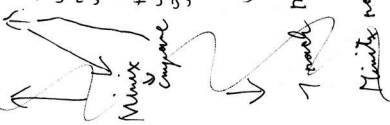
78DC - 78E7

78E8 - 7924

7925 - 79B5

~~78C3 - 79B5~~ FCB

7A57 - 7A78 FCB



62E5-

ST. TxT $R_{100} = 7$

V. CMD + Help display (1583E)



Get O.E, O.H, O.C, O.W, O.R. CMD (6000)

Help Cooldown Error, No Line

Files.USR

Error CO'D,

GG,

SS,

TH,

NT,

H,D,

C

O.C. CMD

d656 (38)

(38E

d32F

d729

d500

d25F

d700

R. CMD

6A26 - 6A97 FCCV

6A92 - 6AC4 FCB V

4040 - 40BF FCB V

5800 - 5809 FDBV

6B28 - 6B4F FDBV

6285 - 6294 FDBV

67B3 - 67D5 ?

6763 - 678G

67BB - 67CB

67C7 - 67CA

67CB - 67CE

6967 - 6968

Orig 5000

6096

6093

6071

6097

0000

5810-5FF0) ^{↓ Init + Softkey + dir}
V.C.M)

583E
EB08-EB0B
EB10-EB13
EB1A-EB35
5800-580F
7800-7809
7810-783D
784E-7851
7862-7863
6000-6D60

E. BIN
Event ← Get

7000-77FA) M. Bin ←

EB14-EB19
5802-580B
780A-780F
783E-784D
7852-7861
7864-7F35

C. BIN

5808-580F
6B00-6B27
6B38-6B3B
6B4C-77E9

W. Bin Wave Page 1, 2, 3

4040-40BF
5800-5809
6B28-6B4F
6000-6AC4

R.CM) ←
Resonator

6000
C600-C6B6

CO.CMD copy/linken Wave. Sys

C656
C380-C57B

DD.CMD delete: what?

C38D
C380-C6AA

GG.CMD get: what?

C3AE
C300-C64E

SS.CMD save: what?

C32F
C100-C3AF

MM.CMD Merge

6000-6D60 E

6B00-6B27

6B38-6B3B W. Bin

6B4C-77E9

7000-77FA

7800-7809 E

7810-783D E

783E-784D C

784E-7851 E

7852-7861 C

7862-7863 E

7864-7F35 C

T.CM)

Page C
Transfer

580A-580B

6000-68F7

6000

Data X. Bin

4000-57FF

C129
C500-C5E8

H. (CM) List Help Texts!

C500
C203-C507

D. (CM) Print Event, Print Page (Duck)

C25F
EB14-EB19
5802-5808
780A-780F
783E-784D
7852-7861
7864-7F35

C. BIN

C100-C517

C. (CM) Copy Command

582E-582F H. (CM) Help Page + Formatting
583E-586D

C200-C688

C274

W. Bih

5808 - 5807

6800 - 6827 FDB

6838 - 6838

6840 - 6860 E

749F - 750D

750E - 7597

7598 - 75FE

75FF - 760A

760B - 7653

7654 - 778B

778C - 77E9 FCB

63 C 8 - 64 8 7

64 8 2 - 64 8 9

64 8 A - 64 8 B

64 8 C - 64 9 E

64 9 F - 64 C 7

64 ~~C~~ 8 - 64 ~~D~~ ~~C~~

64 ~~D~~ ~~D~~ - 64 F 8

64 F 9 - 65 7 5

65 7 6 - 65 2 6

65 2 7 -

65 C 8 - 66 0 2

66 E B - 67 1 3

67 1 4 - 67 3 C

67 3 D - 67 6 5

67 6 6 - 67 8 E

67 8 F - 67 B 7

67 B 8 - 67 E 0

67 E 1 - 68 0 9

68 0 A - 68 3 2

68 3 3 - 68 5 B

68 5 C - 68 8 4

68 8 5 - 68 D 2

68 D 3 ^{RMB} - 68 ~~D~~ ~~D~~

68 ~~D~~ ~~E~~ ^{FDB} 68 F 7

63 A 6 ^{FCB} _{RHH} 63 C 7

66 B B - 66 E F

T. (M)

Text Ranges
und Kontakte

S
Q 0000
S 1.V.CMD
C 587A 5881
C 5882 5883
C 59A6 59B5
C 59B6 59C5
C 5C77 5CFD
C 5CFE 5D0D
C 5D0E 5D16
C 5DAF 5D89
C 5DBA 5DBE
C 5DBF 5DC1
C 5DC2 5DC4
C 5DC5 5DC7
C 5DC8 5DCA
C 5DCB 5DCD
C 5DCE 5DD1
C 5DD2 5DD3
C 5DD4 5DD5
C 5DD6 5DE1
H 5C6C 5C76
H 5FDD 5FE0
A 5FE1 5FF0
J 5810 583D
A 5810 583D
A 5D17 5D2A
N 5810 5FF0 583E
Z 9
B

V. CMD

S
D 0000
S 1.T.CMD
C 63C8 6481
C 6482 6489
C 648A 648B
C 648C 649E
C 649F 64C7
C 64C8 64DC
C 64DD 64F8
C 64F9 6515
C 6516 6526
C 65C8 6602
C 66EB 6713
C 6714 673C
C 673D 6765
C 6766 678E
C 678F 67B7
C 67B8 67E0
C 67E1 6809
C 680A 6832
C 6833 685B
C 685C 6884
C 6885 68D2
H 68D3 68DD
A 68DE 68F1
H 580A 580B
H 63A6 63C7
A 66BB 66EA
N 580A 68F1 6000
Z 9

T. CMD

2.2V4 V2R1

V2R3.3

H

=

H. CMD ✓

B

≠

B. BIN ✓

HH

=

HH. CMD ✓

FB

=

FB. BIN ✓

CO

=

CO. CMD

D

=

D. CMD

P

=

P. CMD

MM

=

MM. CMD

P

≠

P. BIN

RR

=

RR. CMD

K

≠

K. BIN ✓

NN

=

NN. CMD



Q. CMD ✓

nicht vorhanden

W2.2V4/V2R1

2.3 V 2R3.3

V
M
T
R
C
W
E
X
SS
DD
COPY
FI
X
GG

≠ V. CMD ✓
≠ M. BIN ✓
≠ T. CMD ✓
≠ R. CMD ✓
≠ C. BIN ✓
= W. BIN ✓
≠ E. BIN) Event
= X. BIN Table
≠ SS. CMD ✓
= DD. CMD ✓
= COPY. CMD
= FI. CMD Files
= X. CMD Exec
≠ GG. CMD

1 PRINT CHECK 0.V.CMD 1.V.CMD
 2 PRINT CHECK 0.M.BIN 1.M.BIN
 3 PRINT CHECK 0.T.CMD 1.T.CMD
 4 PRINT CHECK 0.R.CMD 1.R.CMD
 5 PRINT CHECK 0.C.BIN 1.C.BIN
 6 PRINT CHECK 0.W.BIN 1.W.BIN
 7 PRINT CHECK 0.E.BIN 1.E.BIN
 8 PRINT CHECK 0.X.BIN 1.X.BIN ✓
 9 PRINT CHECK 0.SS.CMD 1.SS.CMD
 10 PRINT CHECK 0.DD.CMD 1.DD.CMD
 11 PRINT CHECK 0.COPY.CMD 1.COPY.CMD ✓
 12 PRINT CHECK 0.X.CMD 1.X.CMD ✓
 13 PRINT CHECK 0.GG.CMD 1.GG.CMD
 14 PRINT CHECK 0.H.CMD 1.H.CMD
 15 PRINT CHECK 0.HH.CMD 1.HH.CMD ✓
 16 PRINT CHECK 0.CO.CMD 1.CO.CMD
 17 PRINT CHECK 0.D.CMD 1.D.CMD ✓
 18 PRINT CHECK 0.P.CMD 1.P.CMD ✓
 19 PRINT CHECK 0.MH.CMD 1.MH.CMD
 PRINT CHECK 0.RR.CMD 1.RR.CMD
 PRINT CHECK 0.K.BIN 1.K.BIN
 PRINT CHECK 0.NN.CMD 1.NN.CMD
 PRINT CHECK 0.Q.CMD 1.Q.CMD
 PRINT CHECK 0.FI.CMD 1.FI.CMD
 PRINT CHECK 0.B.BIN 1.B.BIN
 PRINT CHECK 0.FB.BIN 1.FB.BIN
 PRINT CHECK 0.P.BIN 1.P.BIN

Test.TXT

auf V2 R 3.3

mit V 1.2 Juni 83

1 THE FILES CHECKED DO NOT MATCH
 2 THE FILES CHECKED DO NOT MATCH
 3 THE FILES CHECKED DO NOT MATCH
 4 THE FILES CHECKED DO NOT MATCH
 5 THE FILES CHECKED DO NOT MATCH
 6 THE FILES CHECKED DO NOT MATCH
 7 THE FILES CHECKED DO NOT MATCH
 8 THE FILES CHECKED ARE IDENTICAL
 9 THE FILES CHECKED DO NOT MATCH
 10 THE FILES CHECKED DO NOT MATCH
 11 THE FILES CHECKED ARE IDENTICAL
 12 THE FILES CHECKED ARE IDENTICAL
 13 THE FILES CHECKED DO NOT MATCH
 14 THE FILES CHECKED DO NOT MATCH
 15 THE FILES CHECKED ARE IDENTICAL
 16 THE FILES CHECKED DO NOT MATCH
 17 THE FILES CHECKED ARE IDENTICAL
 18 THE FILES CHECKED ARE IDENTICAL
 19
 73 4 4

W2.3 V2.3.1

2.3 V 2.3.3

1 V = V. CMD.

2 M = M. BIN.

3 T $\neq$ T. CMD.

4 R = R. CMD.

5 C = C. BIN.

6 W = W. BIN.

7 E = E. BIN.

8 X = X. BIN.

9 SS $\neq$ SS. CMD.

10 DD = DD. CMD.

11 COPY $\neq$ COPY. CMD.

12 FI = FI. CMD.

13 X = X. CMD.

14 GG = GG. CMD.

V 2.3.7

V 2R3.3

(75	T	≠	T.CMD)
76	H =		H.CMD.
77	B =		B.BIN
78	HH =		HH.CMD.
79	FB =		FB.BIN
20	CO =		CO.CMD.
21	D =		D.CMD.
22	P =		P.CMD.
23	MM =		MM.CMD.
24	P =		P.BIN
25	RR =		RR.CMD)
26	K =		K.BIN
27	NN =		NN.CMD)
28	Q =		Q.CMD)

Source Codes f. 2.3.

"Änderungen" in den Files

EMT	Transmit spezielle Set up
EMR	Receive Wave 2.3. Data
EM	Expansion Modul (2.3)
EMB	Build Compound (Transmit Partial Welle)
VT53	Transmit (Keyboard am) Send
VT52	Banking + Get/Save
VT3	Display / Bank
VT1	Single Wave 16 K
VT31	" " 32 K
VT33	
VT63	Send 32 K
AMB	Build 32 K

V. CMD

↓

Get X. Bin

↓

T. CMD

↓

Get B. Bin

Get K. Bin

↓

INIPIA (T. CMD)

00811 00821 00131
 00811 00894 00814
 00811 00128 00122 00122
 00811 01439 00818
 00811 00811 00193
 00811 00881 00884
 00811 00131 00121
 00811 01408 00131
 00811 01312 01324 01324
 00811 01401
 00811 00294 00224
 00811 00189 00223
 00811 00234 00112
 00811 00291 00291
 00811 00471 00394 00400 00471
 00811 00044 00024 00019
 00811 01010 01002
 00811 00492 00492
 00811 00423 00498 00410
 00811 00422 00458
 00811 01204 01211
 00811 01324 01394
 00811 01322 01329 01328 01391 01392
 00811 00048 00132 00134 00131 00120 00122 00129 00124 00324
 00811 00038
 00811 00032
 00811 00039
 00811 00031
 00811 01282

B. Bin JMTTable [6016] 6FD5 Clean Rild Rem
 bis BC6p

K. Bin JMTTable [6022] 7938 Transmitt Data

V. Bin " " Texab " "

00811 00811 00882 01019 01034 01110 01182 01309
 00811 00214 00214 00442 00443 00309 00371 00194 00194 00147 00824
 00811 00018 00022 00030 00043 00121 00300 00308 00339 00324 00394 00222
 01182 01304 01314
 00811 00134 00112 00141 00191 00144 00821 00811 00822 01033 01198
 00811 00114 00134 00301 00339 00521 00391 00342 00221 00240 00242 00441
 00811 00308
 00811 00289 00244 00884 00142 01031 01098 01302 01219 01214
 00811 00032 00021 00092 00089 00138 00141 00304 00313 00348 00328 00317
 00811 00034
 00811 00011 00144 00301
 01323 01324 01328 01319 01318
 00811 00441 00442 01038 01031 01041 01022 01028 01092 01129 01180 01183
 01281 00311 00381 00381 00381 00208 00212 00921 00992 00132 00488
 00811 00804 00824
 00811 00838 00811 00833 00811 00830
 00811 00821 00813 00811 00813 00811
 00811 00848 00833
 00811 00830 00809
 00811 00812 00804
 00811 00801 00840
 00811 00889 00833 00908 00911 00920 00932 00922 00921
 00811 00824 00821
 00811 01044 01010
 00811 00111 00100 00144
 00811 00548 00548 00514 00582 00584
 00811 00240 00211
 00811 00454 00421 00424 00429
 00811 00242 00241
 00811 00249 00249
 00811 00401 00413 00412
 00811 00430 00224 00408
 00811 00414 00403
 00811 01211 01011
 00811 01219 01110
 00811 01211 00111 01044 01123
 00811 00031
 00811 01211 00444 00031 00444 00444 00444 00444 00444 00444

INTERFACE

Port A PIA1 FCF0 } Tastatur
7

Port B FCF2 }
3

ACIA { FCF4 } Control
FCF5 } Data

FCF6 VICO
7

Port A PIA2 FCF8
9

Port B FCF A } Softkey
B

Palm
Port A PIA3 FD 00 } Data Bus
1

Port B FD 02 } System Bus
3

} PPG-Buss

FD 08, FD 18, FD 20

FD 10

11

12

13

14

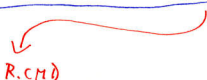
} →  Kante

TRANSMIT aus Page 3 R.CMD

Page 53

Clear MetK

LDA#3

- Code 0109
1. Transmit Bank (W. Bin + V. CMD)
 2. " Transiente (W. Bin) codieren zu 72 Bit

R.CMD
 3. Transmit Wave 2.3 Data 564 Bytes
- Code 0305

EC 81) : INFO Flag ab: 1 $\hat{=}$ 12 Bit
codierung

$\emptyset \hat{=}$ Normal
direct Transfer
12 Bit Data

EA 72 : done

1 $\hat{=}$ Normal
direct Transfer

$\emptyset \hat{=}$ 12 Bit Codierung

~~Seide Code:~~

1. A uncodiert mit $\emptyset F \rightarrow$ Pointer / Count
1. B direkt zur Wave Blocklängeninfo
3. A uncodiert mit $\emptyset F \rightarrow$ 4A Send / Receive Info

WTerm Sendende: Codierung
V2R3.3

"B" Binärer direkt
zum Waveterm
"A" geordnet mit Unit

und Unclint mit 7! maximale

1. A unclint mit ϕF

Werte für A: $\phi, 1, 2, 3, 5, 7$

5 1 2 3 4 Blocklänge

3 od kleiner: Blocklängen Info aus

Const. Tabelle

4. Bit von A geratet bedeutet Receive!

$\phi 7 \phi 1$
A B

: ANFA und ENDE sind
vorgegeben

5 = 5

: ANFA und ENDE aus
Tabelle CONST

$\phi 7 \phi \phi$
A B

ANFA	ENDE	UNIT
ϕ	$\phi \phi \phi$	ϕ
$\phi \phi \phi$	$1 \phi \phi$	2ϕ
$1 \phi \phi \phi$	$1 \phi \phi \phi$	alles andere

2. danach: A ^{unclint mit ϕF !} geordnet mit UNIT

wird zum Wave transferiert.

3. A unclint mit ϕF : ^{Test mit $\phi 8$!} ~~Bit ϕ ...~~

Entscheidung ob Waveterm:

Beispiel
3 0000 0011
8 0000 1000
0 0000

$A > 8$

da ϕ → Send
→ Receive > Routine!

Code *unliert mit 57!*

$A = 5$ Sonderfälle

Sende
Waveterm

V2R3.3

Table CONST

B enthält Code Info für Anfa Wert aus Table

	Table	Bwerte	Bwert $2 \times ASL$	Index
0 → +2	0000 2000	φ φ φ φ φ φ φ φ	φ φ φ φ φ φ φ φ	
1 → +2	0000 1400	1	0000 0100	x+4
2 → +2	4000 5800	1φ	0000 1000	x+8
3 → +2	0000 3000	11	0000 1100	x+12
4 → +2	0000 4000	100	000 10000	x+16
▲				

die möglichen Werte für B bei

$A = 5$

code Tabelle	A	B	Anfa	ENDE	Block
	05	00	0000	2000	2000
	05	01	0000	1400	1400
	05	02	4000	5800	1800
	05	03	0000	3000	3000
	05	04	0000	4000	4000

8 → 72 Bit Coolierung

A = 77777777
B = 0

	CLRB	00000000	Übertrag
	LSRA	01111111	1
	RORB	10000000	
	LSRA	00111111	1
	RORB	11000000	
	LSRA	00011111	1
	RORB	11100000	
	LSRA	00001111	1
	RORB	11110000	

A=FF B=0
Ergebnis → 72 Bit A=0F, B=FF;

8 → 72 Bit

D = 0FF0

oben 4 Bit
inner 0
da nur
12 Bit
Auflösung

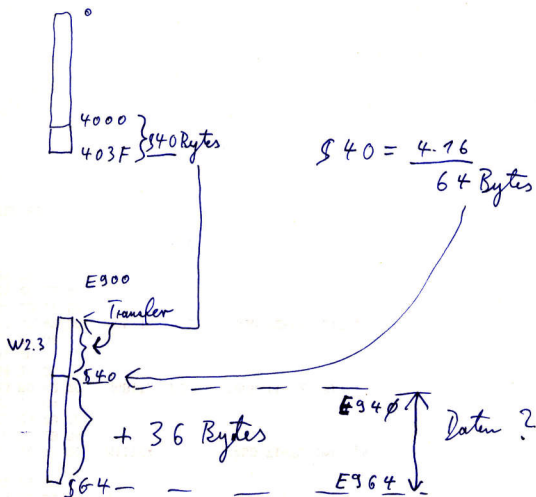
unten 4 Bit
immer 0
da 8 → 72 Bit Coolierung

64

$$\begin{array}{r} 76.6 \\ 96 \\ + 4 \\ \hline 100 \text{ Bytes} \end{array}$$

E900 bis E964

Stack Range
Wave 2.3 Data



40 40

E 9 40

41

1

42

2

43

3

44

4

45

5

46

6

47

7

48

8

49

9

4A

A

4B

B

4C

C

4D

D

4E

E

4F

F

50

E 9 50

Bank No. 00 → ?

51

1

52

2

53

3

54

4

55

5

56

6

57

7

58

8

59

9

5A

A

5B

B

5C

C

5D

D

5E

E

5F

F

60

E 9 60

61

1

62

2

63

3

Load
Range
X. BinWave 2.3-
Data Transfer
Stack

E933g SH>> File Nr. v. C985 Band → E935 K Rappels

E900

(unlabeled)

E928 ^{split} → EC9F ^{3 Byte} Group assignment A: Nr. B: Nr.

E929/2A → EC9D/E

E900 20Byte → ECAD bis ECCD

E920 → EC9D bis EC97 ^{7 Byte}

E900 - E964 → E9F0 - E9E4
E900 → EC9F
E901,2 ^{3 Byte} → EC9D, E

E903 - E923 → ECAD - ECCD
E924 - E92B → EC9D - EC97 ^{7 Byte}

transmit EC90 510 Byte → E900 transmit Code 206 send

EC90 - EC97 → E900 - E907 ^{7 Byte}
EC9F → E90F
EC9D, E → E90D, E ^{3 Byte}

E903 - E90F ^{12 Byte} → E904
E928 → E901
(E92B → E901)

E903 - E90F ^{12 Byte} → E90C
E900 - E90C

E900 → EC9F
E901,2 → EC9D, E
E903 → ECAD - ECCD ^{20 Byte}
E924 → EC90 - EC97 ^{7 Byte}
E92B

M Kap 1 = Copied

0 = Transmit $\left\{ \begin{array}{l} \text{Lopma 1} \\ \text{" 0} \end{array} \right.$

M Kap 1 = X Transmit

0 = no transmit

B =

||||| |||||
1

||||

1000 8

1

1011 B = 3
1100

111 = 7

0101 = 5

1107 D

$\frac{3}{4}$

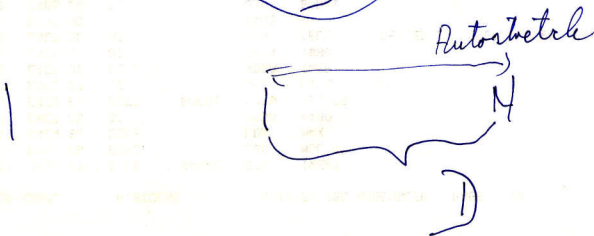
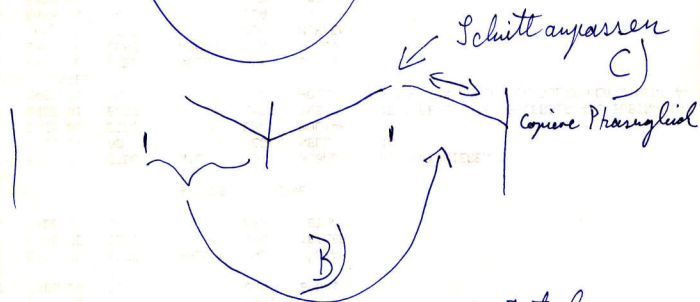
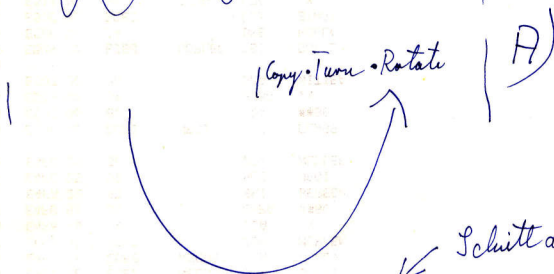
5/4

4011

AN) FFFF

1011

Loop Construction!



```

* 17.2.1985
* *****
* FAST FOURRIER SUBROUTINE
* *****
FFT1 PSHS X,Y
LDX START
LDB #B0
LDY #STACKA
VESAT LDA ,X+
STA ,Y+
DECB
BNE VESAT
JSR INPAT
JSR TEILO
JSR BERRY
PULS X,Y
RTS

* *****
* PAGE1 WELLEN BERECHNUNG
* ***** Z6C9B W.BIN

```

```

BERRY LDA HARMN
PSHS A
LDX #B0000 E010 BIS E090 AUF NULL PEGEL
LDA #B0
LDB #B0

```

```

BAR1 STA ,X+

```

```

DECB
BNE BAR1
LDA #B1
STA HARMN
STA MERK1

```

```

LDY #ZE110

```

```

STY WELEND

```

```

Z6CB3 LDX #ZE110

```

```

LDY #ZE090

```

```

LDU #ZE190

```

```

DECA

```

```

LDB A,U

```

```

BEQ Z6CDE

```

```

ASLB

```

```

STB PEGEL

```

```

JSR Z7284

```

```

LDX #ZE010

```

```

LDY #ZE090

```

```

Z6CDO LDA ,Y+

```

```

ADDA ,X

```

```

ADDA #B0

```

```

STA ,X+

```

```

CMPY WELEND

```

```

BNE Z6CDO

```

```

Z6CDE LDA MERK1

```

```

INCA

```

```

STA MERK1

```

```

STA HARMN

```

```

CMPA #B21

```

```

BNE Z6CB3

```

```

LDA #B1

```

```

STA HARMN

```

```

LDA PEGEL

```

E070) 80
90) 80

E090) 80
E110) 80

E110) 80
E190) 80

E420) 80
E4A0) 80

Original
Weller
speicher
zur Analyse

E500 Analys. Data


```

PSHS A
LDA ZE180
ASLA
STA PEGEL
LDX #ZE010
LEAY #80,X
STY WELEND
TFR X,Y
JSR Z7284
PULS A
STA PEGEL
PULS A
STA HARMN
RTS
* *****
* *****
* PEGEL COMPUTE
* ***** Z7284
Z7284 LEAX #80,X
STX WELANF
LEAX -#80,X
LDA HARMN
Z7291 PSHS A
LDA PEGEL
ASLA
LDB ,X
MUL
ADCA ##80
SUBA PEGEL
STA ,Y+
PULS A.
CMPY WELEND
BEQ Z7285
LEAX A,X
CMPX WELANF
BMI Z7291
LEAX -#80,X
BRA Z7291
Z7285 RTS
* *****

```

```

* *****
* PAGE 3 ZU PAGE 1
* ***** Z623F R.CMD
TEILD LDX #PUFFA E500
LDY #PUFFU E190
LDB ##20
CLR RALM
Z625E LDA ,X+
CMPA RALM
BLS Z6266
STA RALM
Z6266 LEAX #01,X
STA ,Y+
DECB
BNE Z625E
LDA RALM
CMPA ##3F
BLS Z6280
LDX #PUFFU E190
LDB ##20
Z6278 LDA ,X
ASRA
STA ,X+
DECB

```

*Vorher: 80 Byte Welle in Puffer,
dann FFT*

BNE Z6278
Z6280 LDA ##3F
STA PUFA E1B0
LDA #1
STA FUNDAM
STA PUFB E1B1
RTS

* *****

* *****

* ANALYSE

* ***** Z72E2

INPAT LDY #PUFFA E500 Analyse Teilton - Data

LDA #01
NEXTW PSHS A
STA FAKTOR
CLR PHI
BSR MAINL
STD #50,Y
PSHS A
LDA #32
STA PHI
BSR MAINL
STD #0090,Y
TSTA
BPL NONE1
NEGA
NONE1 TFR A,B
TSTA
MUL
PSHS B,A
LDA #02,S
BPL NONE2
NEGA
NONE2 TFR A,B
TSTA
MUL
ADDD ,S++
JSR SUBLOP
STA ,Y+
CLR ,Y+
LEAS #01,S
PULS A
INCA
CMPA ##21
BNE NEXTW
CLR FAKTOR
BSR MAINL
STA ,Y+
RTS

* *****

* MAINLOOP

* *****

MAINL LDD #32

STD REMA1
STA INTEG
LDX #STACKA
LDU #TABLE
SUBLU TFR X,D

SUBD ##E8B0 STACK ADRESSE

LDA FAKTOR
MUL
ADDB PHI
ANDB ##7F
LDA B,U

originale Kette Aufhang

LDB ,X
SUBB ##80
LEAS -#01,S
FSHS B,A
EORA #01,S
STA #02,S
PULS B,A
TSTA
BPL NONE3
NEGA
NONE3 TSTB
BPL NONE4
NEGB
NONE4 MUL
CMPD ##0000
BEQ FASTF
TST ,S+
BMI NEGAR
ADDD REMA1
STD REMA1
LDB ##00
ADCB INTEG
STB INTEG
BRA GOODF

POSITIV BERECH

NEGAR FSHS B,A NEGATIV BERECH

LDD REMA1
SUBD ,S++
STD REMA1
LDB INTEG
SBCB ##00
STB INTEG

GOODF CMPX #STACKE

Original Wellenspieler Ende

BEQ WEITER
LEAX #01,X
BRA SUBLU

FASTF LEAS #01,S
BRA GOODF

WEITER LDD INTEG

ASL REMA2
ROLB
ROLA
ASL REMA2
ROLB
ROLA
ASL INTEG
ROLB
ROLA
FSHS A
LDA INTEG
BITA ##80
PULS A
BEQ FERTG
COMA
COMB
ADDD ##0001
FERTG RTS

* *****
* SUBLOP
* *****

SUBLOP CMPD ##0000
BEQ FERTG
FSHS B,A
LDA #40

PSHS A
LDA ##B0
NOCHMA PSHS A
TFR A,B
TSTA
MUL
CMPD #02,S
BEQ WEITR3
BCS WEITR1
PULS A
SUBA ,S
BRA WEITR2

WEITR1 PULS A
ADDA ,S
WEITR2 LSR ,S
BNE NOCHMA
PSHS A
WEITR3 LDA ,S
LDB ,S
MUL
CMPD #02,S
BLS ZURUE
PULS A
DECA
PSHS A
ZURUE PULS A
LEAS #03,S
RTS

* *****
ORG \$E800
* *****

TABLE FCB #03,#09,#10,#16,#1C,#22,#28,#2E
FCB #33,#39,#3F,#44,#49,#4E,#53,#58
FCB #5C,#60,#64,#68,#6B,#6F,#71,#74
FCB #76,#79,#7A,#7C,#7D,#7E,#7F,#7F
FCB #7F,#7F,#7E,#7D,#7C,#7A,#79,#76
FCB #74,#71,#6F,#6B,#68,#64,#60,#5C
FCB #58,#53,#4E,#49,#44,#3F,#39,#33
FCB #2E,#28,#22,#1C,#16,#10,#09,#03
FCB #FD,#F7,#F0,#EA,#E4,#DE,#D8,#D2
FCB #CD,#C7,#C1,#BC,#B7,#B2,#AD,#AB
FCB #A4,#A0,#9C,#98,#95,#91,#8F,#8C
FCB #8A,#87,#86,#84,#83,#82,#81,#81
FCB #81,#81,#82,#83,#84,#86,#87,#8A
FCB #8C,#8F,#91,#95,#98,#9C,#A0,#A4
FCB #AB,#AD,#B2,#B7,#BC,#C1,#C7,#CD
FCB #D2,#D8,#DE,#E4,#EA,#F0,#F7,#FD

* *****
ORG \$E880
* *****

STACKA RMB #7F
STACKE EQU \$E8FF RMB #1

* *****
ORG \$E900
* *****

PUFFA FCB #00,#00,#00,#00,#00,#00,#00,#00
FCB #00,#00,#00,#00,#00,#00,#00,#00
FCB #00,#00,#00,#00,#00,#00,#00,#00
FCB #00,#00,#00,#00,#00,#00,#00,#00
FCB #00,#00,#00,#00,#00,#00,#00,#00
FCB #00,#00,#00,#00,#00,#00,#00,#00

Pinus Table

Original Welten Zweische Speicher

T eilton

[illegible]

```

*  * * * * *
ORG $EAOO
*  * * * * *

```

E500 PUFFA

E900

E420 STACKA

E880

E49F STACKE

E8FF

4040 TABLE

E900

E110 PAFFU

E190 PUFFU



Clear his

E1B0 PUFA 3F

E1B1 PUF3 1

(E010 PAFA

E090 PAFE

) wird Cleared
(auf SP0)

(EA5) REMA1
EA5E REMA2)

D Byte

4040 →

X write
+SP0
nach
E190

80 Byte

0000 0000 0000 0000

SYMBOL TABLE:

2				
3	E000		ORG	#E000
4				
5	E000	FAKTOR	RMB	1
6	E001	PHI	RMB	1
7	E002	INTEG	RMB	1
8	E003	ZEASD	RMB	1
9		ZEASD	"	7

Double Byte

← *SR (2 Byte)* REMA 7
REMA 2

10				
11	E420		ORG	#E420
12				
13				

14	E420	ZE420	RMB	80
15				
16				
17	E440		ORG	#E440
18				
19				
20	E440	ZE440	RMB	80
21				
22	E49F	ZE49F	EQU	#E49F

Orig. Wallen Puffer

Ende Orig Wallen Speicher

23				
24				
25	E500		ORG	#E500
26				
27				

28	E500	ZE500	RMB	#100
29				
30				
31				

Analyse Data Tailtone

32		4040	Z4040	EQU	#4040
33					
34					

Table Sirius

35	E100		ORG	#E100
36				
37				
38				
39				
40				

INTRO

41	E100	10BE	E500	Z72E2	LDY	#ZE500
42	E104	B6	01		LDA	#01
43	E106	34	02	Z72E8	PSHS	A
44	E108	B7	E000		STA	>FAKTOR
45	E10B	7F	E001		CLR	>PHI
46						
47	E10E	8D	3D		BSR	Z732F
48						
49	E110	ED	AB 50		STD	#50,Y
50	E113	34	02		PSHS	A
51	E115	B6	20		LDA	#20
52	E117	B7	E001		STA	>PHI
53						
54	E11A	8D	31		BSR	Z732F
55						
56	E11C	ED	A9 0090		STD	#0090,Y
57	E120	4D			TSTA	
58						
59	E121	2A	01		BPL	Z7306
60						
61	E123	40			NEGA	
62	E124	1F	B9		TFR	A,B
63	E126	4D			TSTA	
64	E127	3D			MUL	
65	E128	34	06		PSHS	B,A
66	E12A	A6	62		LDA	#02,B
67						
68	E12C	2A	01		BPL	Z7311
69						
70	E12E	40			NEGA	
71	E12F	1F	B9		TFR	A,B

72	E131 4D	87	TSTA	H, S
73	E132 3D		MUL	
74	E133 E3	E1	ADDD	, S++
75			*****	
76	E135 BD	E1DF	JSR	>Z73CD
77			*****	
78	E138 A7	A0	STA	, Y+
79	E13A 6F	A0	CLR	, Y+
80	E13C 32	61	LEAS	\$01, S
81	E13E 35	02	PULS	A
82	E140 4C		INCA	
83	E141 81	21	CMFA	##21
84			*****	
85	E143 26	C1	BNE	Z72EB
86			*****	
87	E145 7F	E000	CLR	>FAKTOR
88			*****	
89	E148 BD	03	BSR	Z732F
90			*****	
91	E14A A7	A0	STA	, Y+
92	E14C 39		RTS	
93				
94	E14D CC	0020	Z732F LDD	##0020 32 dec
95	E150 FD	E003	STD	>ZEASD
96	E153 B7	E002	STA	>INTEG (cer)
97	E156 8E	E420	LDX	##ZE420
98	E159 CE	4040	LDU	##Z4040
99				
100	E15C 1F	10	Z733E TFR	X, D
101	E15E 83	E420	SUBD	##E420
102	E161 B6	E000	LDA	>FAKTOR
103	E164 3D		MUL	
104	E165 FB	E001	ADDB	>PHI
105	E168 C4	7F	ANDB	##7F
106	E16A A6	C5	LDA	B, U
107	E16C E6	84	LDB	, X
108	E16E C0	80	SUBB	##80
109	E170 32	7F	LEAS	-\$01, S
110	E172 34	06	PSHS	B, A
111	E174 A8	61	EDRA	\$01, S
112	E176 A7	62	STA	\$02, S
113	E178 35	06	PULS	B, A
114	E17A 4D		TSTA	
115			*****	
116	E17B 2A	01	BPL	Z7360
117			*****	
118	E17D 40		NEGA	
119				
120	E17E 5D		Z7360 TSTB	
121			*****	
122	E17F 2A	01	BPL	Z7364
123			*****	
124	E181 50		NEGB	
125				
126	E182 3D		Z7364 MUL	
127	E183 1083	0000	CMFD	##0000
128			*****	
129	E187 27	2F	BEQ	Z739A
130			*****	
131	E189 6D	E0	TST	, S+
132			*****	
133	E18B 2B	10	BMI	Z737F
134			*****	
135	E18D F3	E003	ADDD	>ZEASD
136	E190 FD	E003	STD	>ZEASD
137	E193 C6	00	LDB	##00
138	E195 F9	E002	ADCB	>INTEG
139	E198 F7	E002	STB	>INTEG
140	E19B 20	12	BRA	Z7391

140	E19B 20	12		BRA	Z7391
141					
142	E19D 34	06	→ Z737E	PSHS	B,A
143	E19F FC	E003		LDD	>ZEASD
144	E1A2 A3	E1		SUBD	,S++
145	E1A4 FD	E003		STD	>ZEASD
146	E1A7 F6	E002		LDB	>INTEB
147	E1AA C2	00		SBCB	##00
148	E1AC F7	E002		STB	>INTEB
149					
150	E1AF 8C	E49F	→ Z7391	CMPX	#ZE49F
151			*****		
152	E1B2 27	08		BEQ	Z739E
153			*****		
154	E1B4 30	01		LEAX	#01,X
155	E1B6 20	A4		BRA	Z733E
156					
157	E1B8 32	61	→ Z739A	LEAS	#01,S
158	E1BA 20	F3		BRA	Z7391

159					
160	E1BC FC	E002	→ Z739E	LDD	>INTEB
161	E1BF 78	EASE		ASL	>ZEASE
162	E1C2 59			ROLB	
163	E1C3 49			ROLA	
164	E1C4 78	EA5E		ASL	>ZEASE
165	E1C7 59			ROLB	
166	E1C8 49			ROLA	
167	E1C9 78	E002		ASL	>INTEB
168	E1CC 59			ROLB	
169	E1CD 49			ROLA	
170	E1CE 34	02		PSHS	A
171	E1D0 B6	E002		LDA	>INTEB
172	E1D3 85	80		BITA	##80
173	E1D5 35	02		PULS	A
174			*****		
175	E1D7 27	05		BEQ	Z73C0
176			*****		
177	E1D9 43			COMA	
178	E1DA 53			COMB	
179	E1DB C3	0001		ADD	##0001
180	E1DE 39		→ Z73C0	RTS	
181					

END

182					
183	E1DF 10B3	0000	Z73CD	CMPD	##0000
184			*****		
185	E1E3 27	38		BEQ	Z740B
186			*****		
187	E1E5 34	06		PSHS	B,A
188	E1E7 B6	40		LDA	##40
189	E1E9 34	02		PSHS	A
190	E1EB B6	80		LDA	##80
191					
192	E1ED 34	02	→ Z73DB	PSHS	A
193	E1EF 1F	89		TFR	A,B
194	E1F1 4D			TSTA	
195	E1F2 3D			MUL	
196	E1F3 10A3	62		CMPD	#02,S
197			*****		
198	E1F6 27	12		BEQ	Z73FB
199	E1F8 25	06		BCS	Z73EE
200			*****		
201	E1FA 35	02		PULS	A
202	E1FC A0	E4		SUBA	,S
203	E1FE 20	04		BRA	Z73F2
204					
205	E200 35	02	→ Z73EE	PULS	A
206	E202 AB	E4		ADD	,S
207	E204 64	E4	→ Z73F2	LSR	,S
208			*****		
209	E206 26	E5		BNE	Z73DB

RTS

```

209 E206 26 E5 ***** BNE Z73DB
210 *****
211 E208 34 02 PSHS A
212 E20A A6 E4 Z73FB LDA ,S
213 E20C E6 E4 LDB ,S
214 E20E 3D MUL
215 E20F 10A3 62 CMFD #02,S
216 *****
217 E212 23 05 BLS Z7407
218 *****
219 E214 35 02 PULS A
220 E216 4A DECA
221 E217 34 02 PSHS A
222
223 E219 35 02 Z7407 PULS A
224 E21B 32 63 LEAS #03,S
225 E21D 39 Z740B RTS
226
227 END

```

0 ERROR(S) DETECTED

SYMBOL TABLE:

FAKTOR	E000	INTEG	E002	PHI	E001	Z4040	4040	Z72E2	E100
Z72E8	E106	Z7306	E124	Z7311	E12F	Z732F	E14D	Z733E	E15C
Z7360	E17E	Z7364	E182	Z737F	E19D	Z7391	E1AF	Z739A	E1B8
Z739E	E18C	Z73C0	E1DE	Z73CD	E1DF	Z73DB	E1ED	Z73EE	E200
Z73F2	E204	Z73FB	E20A	Z7407	E219	Z740B	E21D	ZE420	E420
ZE440	E440	ZE49F	E49F	ZE500	E500	ZE5D	E003	ZE5E	EA5E

\$00, \$27, \$00, \$01, \$00, \$21, \$00, \$26

2. 3. 4. Linton

TAB

2-17-85 TSC ASSEMBLER PAGE 1

34	E9CB 00 35 00 00	FCB	\$00,\$35,\$00,\$00,\$00,\$4B,\$00,\$27
	E9CC 00 4B 00 27		
35	E9D0 00 00 00 00	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	E9D4 00 00 00 00		
36	E9D8 00 00 00 00	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	E9DC 00 00 00 00		
37	E9E0 00 00 00 00	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	E9E4 00 00 00 00		
38	E9E8 00 00 00 00	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	E9EC 00 00 00 00		
39	E9F0 00 00 00 00	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	E9F4 00 00 00 00		
40	E9F8 00 00 00 00	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	E9FC 00 00 00 00		
41			
42		END	

0 ERROR(S) DETECTED

6.10.84

OPT PAG

* NAM W.BINV2R3.3 5.10.84

W. Bin

V2

R 3.3

Waveterm

Page 1, 2, 3

2	0000	WAVBAS	EQU	#0000
3	002C	Z002C	EQU	#002C
4	0080	Z0080	EQU	#0080
5	0100	Z0100	EQU	#0100
6	0198	Z0198	EQU	#0198
7	01FF	WX1FF	EQU	#01FF
8	0315	Z0315	EQU	#0315
9	0415	Z0415	EQU	#0415
10	0515	Z0515	EQU	#0515
11	3700	Z3700	EQU	#3700
12	3F00	Z3F00	EQU	#3F00
13	3F80	Z3F80	EQU	#3F80
14	3FC0	Z3FC0	EQU	#3FC0
15	4000	TENDE	EQU	#4000
16	4040	Z4040	EQU	#4040
17	8000	Z8000	EQU	#8000
18	8F80	Z8F80	EQU	#8F80
19	8F8A	Z8F8A	EQU	#8F8A
20	E010	ZE010	EQU	#E010
21	E090	ZE090	EQU	#E090
22	E110	ZE110	EQU	#E110
23	E190	ZE190	EQU	#E190
24	E1A0	ZE1A0	EQU	#E1A0
25	E1B0	ZE1B0	EQU	#E1B0
26	E1B1	ZE1B1	EQU	#E1B1
27	E1B4	ZE1B4	EQU	#E1B4
28	E1D8	ZE1D8	EQU	#E1D8
29	E1E8	ZE1E8	EQU	#E1E8
30	E1F8	ZE1F8	EQU	#E1F8
31	E218	ZE218	EQU	#E218
32	E420	ZE420	EQU	#E420
33	E49F	ZE49F	EQU	#E49F
34	E500	ZE500	EQU	#E500
35	E900	ZE900	EQU	#E900
36	EA20	WELANF	EQU	#EA20
37	EA22	WELEND	EQU	#EA22
38	EA24	WALEND	EQU	#EA24
39	EA26	BITPTR	EQU	#EA26
40	EA27	BYTEZ	EQU	#EA27
41	EA28	ZEA28	EQU	#EA28
42	EA29	NULAGE	EQU	#EA29
43	EA2A	PEGEL	EQU	#EA2A
44	EA2C	HARMN	EQU	#EA2C
45	EA2D	MERK1	EQU	#EA2D
46	EA2F	DELTA	EQU	#EA2F
47	EA30	SDELTA	EQU	#EA30
48	EA31	MINUS	EQU	#EA31
49	EA32	VLAGE	EQU	#EA32
50	EA34	XKORME	EQU	#EA34
51	EA38	PWIN	EQU	#EA38
52	EA39	MERK3	EQU	#EA39

59	EA3A	MERK4	EQU	\$EA3A
60	EA3D	PAGEM	EQU	\$EA3D
61	EA3E	UNIT	EQU	\$EA3E
62	EA45	CLMERK	EQU	\$EA45
63	EA46	HALFTE	EQU	\$EA46
64	EA47	WTABL	EQU	\$EA47
65	EA49	ALTZ	EQU	\$EA49
66	EA4A	TSWAVE	EQU	\$EA4A
67	EA5B	FAKTOR	EQU	\$EA5B
68	EA5C	INTEG	EQU	\$EA5C
69	EA5D	ZEASD	EQU	\$EA5D
70	EASE	ZEASE	EQU	\$EASE
71	EA61	PHI	EQU	\$EA61
72	EA63	WAVNU	EQU	\$EA63
73	EA6B	BANK	EQU	\$EA6B
74	EA72	ZE72	EQU	\$EA72
75	EB05	INESC	EQU	\$EB05
76	EC8D	ZEC8D	EQU	\$EC8D
77	EE05	SOFKEY	EQU	\$EE05
78	EF05	XKOR	EQU	\$EF05
79	EF07	YKOR	EQU	\$EF07
80	EF0E	INVFLG	EQU	\$EF0E
81	F027	PDATA1	EQU	\$F027
82	FD00	PIA	EQU	\$FD00
83		\$PIA+1	EQU	\$FD01
84		\$PIA+2	EQU	\$FD02
85		\$PIA+3	EQU	\$FD03
86				
87		* *****		
88	5808		ORG	\$5808
89		* *****		
90				
91	5808 0000	Z5808	FDB	WAVBAS
92	580A 6B00		FDB	Z6B00
93	580C 7641		FDB	Z7641
94	580E 7778		FDB	Z7778
95				
96		5814 Z5814	EQU	\$5814
97		5816 Z5816	EQU	\$5816
98		5818 Z5818	EQU	\$5818
99		581A Z581A	EQU	\$581A
100		581C Z581C	EQU	\$581C
101		5824 Z5824	EQU	\$5824
102		582C Z582C	EQU	\$582C
103		582E Z582E	EQU	\$582E
104		5830 Z5830	EQU	\$5830
105		5832 Z5832	EQU	\$5832
106		5834 Z5834	EQU	\$5834
107				
108		* *****		
109	6B00		ORG	\$6B00
110		* *****		
111				
112	6B00 6B64	Z6B00	FDB	Z6B64


```

113 6B02 6BD6      FDB  Z6BD6
114 6B04 6BE1      FDB  Z6BE1
115 6B06 6BEA      FDB  Z6BEA
116 6B08 6BF5      FDB  Z6BF5
117 6B0A 6C50      FDB  Z6C50
118 6B0C 6C6F      FDB  Z6C6F
119 6B0E 6C86      FDB  Z6C86
120 6B10 72CE      FDB  Z72CE
121 6B12 72CA      FDB  Z72CA
122 6B14 6D9F      FDB  Z6D9F
123 6B16 6D64      FDB  Z6D64
124 6B18 6D5A      FDB  Z6D5A
125 6B1A 6D27      FDB  Z6D27
126 6B1C 6DEC      FDB  Z6DEC
127 6B1E 6DB6      FDB  Z6DB6
128 6B20 6E71      FDB  Z6E71
129 6B22 6E90      FDB  Z6E90
130 6B24 72CE      FDB  Z72CE
131 6B26 72CA      FDB  Z72CA

```

* *****

```

133
134 6B38      ORG  #6B38

```

* *****

```

135
136
137 6B38 72CE      FDB  Z72CE
138 6B3A 72CA      FDB  Z72CA

```

* *****

```

140
141 6B4C      ORG  #6B4C

```

* *****

```

142
143
144 6B4C 72CE      FDB  Z72CE
145 6B4E 72CA      FDB  Z72CA
146 6B50 71EE      FDB  Z71EE
147 6B52 7198      FDB  Z7198

```

```

148 6B54 71B8      FDB  Z71B8

```

```

149 6B56 71E4      FDB  Z71E4

```

```

150 6B58 72D2      FDB  Z72D2

```

```

151 6B5A 701F      FDB  Z701F

```

```

152 6B5C 70B0      FDB  Z70B0

```

```

153 6B5E 720F      FDB  Z720F

```

```

154 6B60 6E90      FDB  Z6E90

```

```

155 6B62 72E2      FDB  Z72E2

```

80 Byte Variable
Transmit Data

FFT

```

156
157 6B64 C6 01      Z6B64 LDB  ##01
158 6B66 7F EB05    CLR  >INESC
159 6B69 AD 9F 5B18 JBR  [Z5B18]
160 6B6D 7C EB05    INC  >INESC
161 6B70 81 20      CMPA ##20
162 6B72 23 04      BLS  Z6B78
163 6B74 86 20      LDA  ##20
164 6B76 20 06      BRA  Z6B7E
165
166 6B78 81 01      Z6B78 CMPA ##01

```

167	6B7A 24	02		BCC	Z6B7E
168	6B7C B6	01		LDA	##01
169	6B7E B7	EA2C	Z6B7E	STA	>HARMN
170	6B81 BD	72B6		JSR	>Z72B6
171	6B84 C6	01		LDB	##01
172	6B86 AD	9F 581A		JSR	[Z581A]
173	6B8A B1	FF		CMPA	##FF
174	6B8C 26	04		BNE	Z6B92
175	6B8E 6E	9F 5830		JMP	[Z5830]
176					
177	6B92 B1	3F	Z6B92	CMPA	##3F
178	6B94 23	02		BLS	Z6B9B
179	6B96 B6	3F		LDA	##3F
180	6B98 BE	E190	Z6B9B	LDX	#ZE190
181	6B9B F6	EA2C		LDB	>HARMN
182	6B9E 5A			DECB	
183	6B9F A7	85		STA	B, X
184	6BA1 4B			ASLA	
185	6BA2 B7	EA2A		STA	>PEGEL
186	6BA5 BD	707C		JSR	>Z707C
187	6BA8 CE	0100		LDU	#Z0100
188	6BAB BD	7198		JSR	>Z7198
189	6BAE BE	E010		LDX	#ZE010
190	6BB1 BD	70DF		JSR	>Z70DF
191	6BB4 BE	E110		LDX	#ZE110
192	6BB7 10BE	E110		LDY	#ZE110
193	6BBB 10BF	EA22		STY	>WELEND
194	6BBF 10BE	E090		LDY	#ZE090
195	6BC3 BD	72B4		JSR	>Z72B4
196	6BC6 BE	E090		LDX	#ZE090
197	6BC9 BD	70DF		JSR	>Z70DF
198	6BCC C6	10	Z6BCC	LDB	##10
199	6BCE B6	01		LDA	##01
200	6BD0 BE	E1A0		LDX	#ZE1A0
201	6BD3 7E	720F		JMP	>Z720F
202					
203	6BD6 B6	EA2C	Z6BD6	LDA	>HARMN
204	6BD9 4C			INCA	
205	6BDA B1	21		CMPA	##21
206	6BDC 26	01		BNE	Z6BDF
207	6BDE 4A			DECA	
208	6BDF 20	9D	Z6BDF	BRA	Z6B7E
209					
210	6BE1 B6	EA2C	Z6BE1	LDA	>HARMN
211	6BE4 4A			DECA	
212	6BE5 26	01		BNE	Z6BE8
213	6BE7 4C			INCA	
214	6BE8 20	94	Z6BE8	BRA	Z6B7E
215					
216	6BEA BE	77B7	Z6BEA	LDX	#Z77B7
217	6BED AD	9F 5816		JSR	[Z5816]
218	6BF1 4B			ASLA	
219	6BF2 7E	6CB6		JMP	>Z6CB6
220					

*Grafik Ausgabe**well ?**→ Composite Wave?**— Grafik Wellen Ausgabe*

221	6BF5	8E	77AF	Z6BF5	LDX	#Z77AF
222	6BF8	AD	9F 5816		JSR	[Z5816]
223	6BFC	8D	03		BSR	Z6C01
224	6BFE	7E	6C86		JMP	>Z6C86
225						
226	6C01	34	02	Z6C01	PSHS	A
227	6C03	8E	E190		LDX	#ZE190
228	6C06	10BE	E1B4		LDY	#ZE1B4
229	6C0A	C6	24		LDB	##24
230	6C0C	BD	72D4		JSR	>Z72D4
231	6C0F	8E	4040		LDX	#Z4040
232	6C12	10BE	E110		LDY	#ZE110
233	6C16	C6	80		LDB	##80
234	6C18	A6	80	Z6C18	LDA	,X+
235	6C1A	88	80		ADDA	##80
236	6C1C	A7	A0		STA	,Y+
237	6C1E	5A			DECB	
238	6C1F	26	F7		BNE	Z6C18
239	6C21	35	02		PULS	A
240	>6C23	BD	6C3F		JSR	>Z6C3F
241	>6C26	BD	6C98		JSR	>Z6C98
242	6C29	8E	E010		LDX	#ZE010
243	6C2C	10BE	E110		LDY	#ZE110
244	6C30	BD	72D2		JSR	>Z72D2
245	6C33	8E	E1B4		LDX	#ZE1B4
246	6C36	10BE	E190		LDY	#ZE190
247	6C3A	C6	24		LDB	##24
248	6C3C	7E	72D4		JMP	>Z72D4
249						
250	6C3F	C6	24	Z6C3F	LDB	##24
251	6C41	3D			MUL	
252	6C42	C3	40C0		ADDD	##40C0
253	6C45	1F	01		TFR	D,X
254	6C47	10BE	E190		LDY	#ZE190
255	6C4B	C6	24		LDB	##24
256	6C4D	7E	72D4		JMP	>Z72D4
257						
258	6C50	7F	EA2C	Z6C50	CLR	>HMMN
259	6C53	8E	77C7		LDX	#Z77C7
260	6C56	AD	9F 5816		JSR	[Z5816]
261	>6C5A	BD	6C3F		JSR	>Z6C3F
262	6C5D	BD	6BCC		JSR	>Z6BCC
263	6C60	B6	E1B1		LDA	>ZE1B1
264	>6C63	BD	6C01		JSR	>Z6C01
265	6C66	BD	6BCC		JSR	>Z6BCC
266	>6C69	BD	6C86		JSR	>Z6C86
267	6C6C	7E	7069		JMP	>Z7069
268						
269	6C6F	8E	77BF	Z6C6F	LDX	#Z77BF
270	6C72	AD	9F 5816		JSR	[Z5816]
271	6C76	C6	24		LDB	##24
272	6C78	3D			MUL	
273	6C79	C3	40C0		ADDD	##40C0
274	6C7C	1F	02		TFR	D,Y

- Variable x → y

→ Variable 80 Byte

→ Transfer Variable
x → y

275	6C7E	8E	E190	LDX	#ZE190
276	6C81	C6	24	LDB	##24
277	6C83	7E	72D4	JMP	>I72D4
278					
279	6C86	8D	10	Z6CB6	BSR Z6C95
280	6C88	17	00BD	LBSR	Z6D18
281	6C8B	4F		Z6CBB	CLRA
282	6C8C	8E	E090	LDX	#ZE090
283	6C8F	BF	EA24	STX	>WALEND
284	6C92	8E	E010	LDX	#ZE010
285	6C95	16	02E9	LBRA	Z6F81
286					
287	6C98	B6	EA2C	Z6C98	LDA >HARMN
288	6C9B	34	02	PSHS	A
289	6C9D	8E	E010	LDX	#ZE010
290	6CA0	BD	71EE	JSR	>71EE → via E090 alles auf SPO setzen
291	6CA3	B6	01	LDA	##01
292	6CA5	B7	EA2D	STA	>MERK1
293	6CAB	B7	EA2C	STA	>HARMN
294	6CAB	10BE	E110	LDY	#ZE110
295	6CAF	10BF	EA22	STY	>WELEND
296	6CB3	8E	E110	Z6CB3	LDX #ZE110
297	6CB6	10BE	E090	LDY	#ZE090
298	6CBA	CE	E190	LDU	#ZE190
299	6CBD	4A		DECA	
300	6CBE	E6	C6	LDB	A,U
301	6CC0	27	1C	BEQ	Z6CDE
302	6CC2	5B		ASLB	
303	6CC3	F7	EA2A	STB	>FEGEL
304	6CC6	BD	72B4	JSR	>I72B4
305	6CC9	8E	E010	LDX	#ZE010
306	6CCC	10BE	E090	LDY	#ZE090
307	6CD0	A6	A0	Z6CD0	LDA ,Y+
308	6CD2	AB	84	ADDA	,X
309	6CD4	88	B0	ADDA	##80
310	6CD6	A7	B0	STA	,X+
311	6CD8	10BC	EA22	CMPLY	>WELEND
312	6CDC	26	F2	BNE	Z6CD0
313	6CDE	B6	EA2D	Z6CDE	LDA >MERK1
314	6CE1	4C		INCA	
315	6CE2	B7	EA2D	STA	>MERK1
316	6CE5	B7	EA2C	STA	>HARMN
317	6CE8	B1	21	CMPLA	##21
318	6CEA	26	C7	BNE	Z6CB3
319	6CEC	B6	01	LDA	##01
320	6CEE	B7	EA2C	STA	>HARMN
321	6CF1	B6	EA2A	LDA	>FEGEL
322	6CF4	34	02	PSHS	A
323	6CF6	B6	E1B0	LDA	>ZE1B0
324	6CF9	4B		ASLA	
325	6CFA	B7	EA2A	STA	>FEGEL
326	6CFD	8E	E010	LDX	#ZE010
327	6D00	31	B9 00B0	LEAY	##00B0,X
328	6D04	10BF	EA22	STY	>WELEND

Transmit Data

32. Teiltor ?

329	6D08 1F	12		TFR	X,Y
330	6D0A BD	72B4		JSR	>Z72B4
331	6D0D 35	02		PULS	A
332	6D0F B7	EA2A		STA	>PEGEL
333	6D12 35	02		PULS	A
334	6D14 B7	EA2C		STA	>HARMN
335	6D17 39			RTS	
336					
337	6D18 BD	707C	Z6D18	JSR	>Z707C
338	6D18 CE	0100		LDU	#Z0100
339	6D1E BD	7198		JSR	>Z7198
340	6D21 8E	E010		LDX	#ZE010
341	6D24 7E	70DF		JMP	>Z70DF
342					
343	>6D27 BD	6D43	Z6D27	JSR	>Z6D43
344	6D2A B6	04		LDA	##04
345	6D2C C6	13		LDB	##13
346	6D2E AD	9F 5824		JSR	[Z5824]
347	6D32 BE	75EC		LDX	#Z75EC
348	6D35 7D	EA46		TST	>HALFTE
349	6D38 27	03		BEQ	Z6D3D
350	6D3A BE	75F2		LDX	#Z75F2
351	6D3D BD	F027	Z6D3D	JSR	>PDATA1
352	6D40 7E	71E4		JMP	>Z71E4
353					
354	6D43 BE	E1D8	Z6D43	LDX	#ZE1D8
355	6D46 31	88 20		LEAY	#20,X
356	6D49 A6	84	Z6D49	LDA	,X
357	6D4B E6	A4		LDB	,Y
358	6D4D A7	A0		STA	,Y+
359	6D4F E7	B0		STB	,X+
360	6D51 BC	E1F8		CMPL	#ZE1F8
361	6D54 26	F3		BNE	Z6D49
362	6D56 73	EA46		COM	>HALFTE
363	6D59 39			RTS	
364					
365	6D5A B6	EA63	Z6D5A	LDA	>WAVNU
366	6D5D 81	01		CMPL	##01
367	6D5F 27	0C		BEQ	Z6D6D
368	6D61 4A			DECA	
369	6D62 20	09		BRA	Z6D6D
370					
371	6D64 B6	EA63	Z6D64	LDA	>WAVNU
372	6D67 4C			INCA	
373	6D68 81	21		CMPL	##21
374	6D6A 26	01		BNE	Z6D6D
375	6D6C 4A			DECA	
376	6D6D B7	EA63	Z6D6D	STA	>WAVNU
377	6D70 BD	72B6		JSR	>Z72B6
378	6D73 C6	01		LDB	##01
379	6D75 AD	9F 581A		JSR	[Z581A]
380	6D79 81	FF		CMPL	##FF
381	6D7B 26	04		BNE	Z6D81
382	6D7D 6E	9F 5830		JMP	[Z5830]

```

383
384 6DB1 8E E1DB Z6DB1 LDX #ZE1DB
385 6DB4 F6 EA63 LDB >WAVNU
386 6DB7 5A DECB
387 6DB8 A7 B5 STA B,X
388 6DBA B7 EA38 STA >PWN
389 6DBD BD 71E4 JSR >Z71E4
390 6D90 B6 EA38 LDA >PWN
391 6D93 BD 6C3F JSR >Z6C3F
392 6D96 B6 E1B1 LDA >ZE1B1
393 6D99 BD 6C01 JSR >Z6C01
394 6D9C 7E 6C86 JMP >Z6C86
395
396 6D9F C6 01 Z6D9F LDB ##01
397 6DA1 7F EB05 CLR >INESC
398 6DA4 AD 9F 5B18 JSR [Z5B18]
399 6DAB 7C EB05 INC >INESC
400 6DAB 81 3F CMPA ##3F
401 6DAD 23 02 BLS Z6DB1
402 6DAF 86 3F LDA ##3F
403 6DB1 44 Z6DB1 LSRA
404 6DB2 4C INCA
405 >6DB3 16 FFB7 LBRA Z6D6D
406
407 6DB6 7D EA46 Z6DB6 TST >HALFTE
408 6DB9 27 03 BEQ Z6DBE
409 6DBB BD 6D27 JSR >Z6D27
410 6DBE 8E 77CF Z6DBE LDX #Z77CF
411 6DC1 AD 9F 5B16 JSR [Z5B16]
412 6DC5 B7 EA47 STA >WTABL
413 6DC8 C6 44 LDB ##44
414 6DCA 3D MUL
415 6DCB C3 4ED0 ADDD ##4ED0
416 6DCE 1F 01 TFR D,X
417 6DD0 108E E1DB LDY #ZE1DB
418 6DD4 C6 44 LDB ##44
419 6DD6 BD 72D4 JSR >Z72D4
420 6DD9 BD 6E90 JSR >Z6E90
421 6DDC 7E 71E4 JMP >Z71E4
422
423 6DDF 34 04 Z6DDF PSHS B
424 6DE1 34 10 PSHS X
425 6DE3 BD 6D27 JSR >Z6D27
426 6DE6 35 10 PULS X
427 6DE8 35 04 PULS B
428 6DEA 20 0F BRA Z6DFB
429
430 6DEC 7D EA46 Z6DEC TST >HALFTE
431 6DEF 27 03 BEQ Z6DF4
432 6DF1 BD 6D27 JSR >Z6D27
433 6DF4 C6 80 Z6DF4 LDB ##80
434 6DF6 34 04 PSHS B
435 6DF8 BE 0000 LDX #WAVBAS
436 6DFB 7F EA31 Z6DFB CLR >MINUS

```

437	6DFE B6	05		LDA	##05
438	6E00 B7	EA2F		STA	>DELTA
439	6E03 B6	46		LDA	##46
440	6E05 B7	EA30		STA	>SDELTA
441	6E08 E6	E4	Z6E08	LDB	,S
442	6E0A C5	01		BITB	##01
443	6E0C 26	25		BNE	Z6E33
444	6E0E B6	EA2F		LDA	>DELTA
445	6E11 4C			INCA	
446	6E12 B1	16		CMPLA	##16
447	6E14 26	0F		BNE	Z6E25
448	6E16 7D	EA31		TST	>MINUS
449	6E19 26	C4		BNE	Z6DDF
450	6E1B 7C	EA31		INC	>MINUS
451	6E1E B6	4E		LDA	##4E
452	6E20 B7	EA30		STA	>SDELTA
453	6E23 B6	06		LDA	##06
454	6E25 B7	EA2F	Z6E25	STA	>DELTA
455	6E28 F6	EA30		LDB	>SDELTA
456	6E2B AD	9F 5824		JSR	[Z5824]
457	6E2F AD	9F 5830		JSR	[Z5830]
458	6E33 10BE	E010	Z6E33	LDY	#ZE010
459	6E37 BD	72D2		JSR	>Z72D2
460	6E3A 34	10		PSHS	X
461	6E3C BD	6D18		JSR	>Z6D18
462	6E3F BD	6C8B		JSR	>Z6C8B
463	6E42 35	10		PULS	X
464	6E44 AD	9F EE05		JSR	[SOFKEY]
465	6E48 7D	EA49		TST	>ALTZ
466	6E4B 27	0C		BEQ	Z6E59
467	6E4D 4D			TSTA	
468	6E4E 27	1B		BEQ	Z6E6B
469	6E50 AD	9F EE05	Z6E50	JSR	[SOFKEY]
470	6E54 7D	EA49		TST	>ALTZ
471	6E57 26	F7		BNE	Z6E50
472	6E59 E6	E4	Z6E59	LDB	,S
473	6E5B 5C			INCB	
474	6E5C C5	01		BITB	##01
475	6E5E 26	04		BNE	Z6E64
476	6E60 AD	9F 5830		JSR	[Z5830]
477	6E64 6A	E4	Z6E64	DEC	,S
478	6E66 26	A0		BNE	Z6E08
479	6E68 35	04		PULS	B
480	6E6A 39			RTS	
481					
482	6E6B 35	04	Z6E6B	PULS	B
483	6E6D 6E	9F 5830		JMP	[Z5830]
484					
485	6E71 7D	EA46	Z6E71	TST	>HALFTE
486	6E74 27	03		BEQ	Z6E79
487	6E76 BD	6D27		JSR	>Z6D27
488	6E79 BE	77CF	Z6E79	LDX	#Z77CF
489	6E7C AD	9F 5816		JSR	[Z5816]
490	6E80 C6	44		LDB	##44

→ Transmit Partial Melle

491	6E82	3D		MUL		
492	6E83	C3	4ED0	ADDD	##4ED0	
493	6E86	1F	02	TFR	D,Y	
494	6E88	8E	E1D8	LDX	#ZE1D8	
495	6E8B	C6	44	LDB	##44	
496	6E8D	7E	72D4	JMP	>Z72D4	
497						
498	6E90	B6	EA46	LDA	>HALFTE	
499	6E93	27	03	BEQ	Z6E98	
500	6E95	BD	6D27	JSR	>Z6D27	
501	6E98	5F		Z6E98	CLRB	
502	6E99	10BE	0000	LDY	#WAVBAS	
503	6E9D	8E	E1D8	LDX	#ZE1D8	
504	6EA0	A6	84	LDA	,X	
505	6EA2	26	03	BNE	Z6EA7	
506	6EA4	7C	E1D8	INC	>ZE1D8	
507	6EA7	A6	88 3F	Z6EA7	LDA	#3F,X
508	6EAA	26	03	BNE	Z6EAF	
509	6EAC	6C	88 3F	INC	#3F,X	
510	6EAF	8E	E1D8	Z6EAF	LDX	#ZE1D8
511	6EB2	A6	85	LDA	B,X	
512	6EB4	27	22	BEQ	Z6ED8	
513	6EB6	2B	20	BMI	Z6ED8	
514	6EB8	B7	EA38	STA	>PWN	
515	6EBB	34	04	PSHS	B	
516	6EBD	34	20	PSHS	Y	
517	6EBF	BD	6C3F	JSR	>Z6C3F	
518	6EC2	B6	E1B1	LDA	>ZE1B1	
519	6EC5	BD	6C01	JSR	>Z6C01	
520	6EC8	BD	6C98	JSR	>Z6C98	
521	6ECB	8E	E010	LDX	#ZE010	
522	6ECE	10AE	E4	LDY	,S	
523	6ED1	BD	72D2	JSR	>Z72D2	
524	6ED4	35	20	PULS	Y	
525	6ED6	35	04	PULS	B	
526	6ED8	31	A9 0100	Z6ED8	LEAY	#0100,Y
527	6EDC	5C		INCB		
528	6EDD	C1	40	CMPB	##40	
529	6EDF	26	CE	BNE	Z6EAF	
530	6EE1	5F		Z6EE1	CLRB	
531	6EE2	8E	E1D8	LDX	#ZE1D8	
532	6EE5	10BE	0000	LDY	#WAVBAS	
533	6EE9	A6	85	Z6EE9	LDA	B,X
534	6EEB	27	0B	BEQ	Z6EF8	
535	6EED	31	A9 0100	LEAY	#0100,Y	
536	6EF1	5C		INCB		
537	6EF2	C1	40	CMPB	##40	
538	6EF4	27	3B	BEQ	Z6F31	
539	6EF6	20	F1	BRA	Z6EE9	
540						
541	6EF8	5A		Z6EF8	DECB	
542	6EF9	34	04	PSHS	B	
543	6EFB	31	A9 FF00	LEAY	#FF00,Y	
544	6EFF	5C		INCB		


```

545 6F00 33 A9 0100 LEAU #0100,Y
546 6F04 A6 B5 Z6F04 LDA B,X
547 6F06 26 07 BNE Z6F0F
548 6F08 33 C9 0100 LEAU #0100,U
549 6F0C 5C INCB
550 6F0D 20 F5 BRA Z6F04
551
552 6F0F E0 E4 Z6F0F SUBB ,S
553 6F11 54 LSRB
554 6F12 EB E4 ADDB ,S
555 6F14 86 FF LDA ##FF
556 6F16 A7 B5 STA B,X
557 6F18 E0 E0 SUBB ,S+
558 6F1A 1F 21 TFR Y,X
559 6F1C 30 B9 0100 Z6F1C LEAX #0100,X
560 6F20 5A DECB
561 6F21 26 F9 BNE Z6F1C
562 6F23 C6 B0 LDB ##B0
563 6F25 A6 A0 Z6F25 LDA ,Y+
564 6F27 AB C0 ADDA ,U+
565 6F29 46 RORA
566 6F2A A7 B0 STA ,X+
567 6F2C 5A DECB
568 6F2D 26 F6 BNE Z6F25
569 6F2F 20 B0 BRA Z6EE1
570
571 6F31 BE E1D8 Z6F31 LDX #ZE1D8
572 6F34 A6 B0 Z6F34 LDA ,X+
573 6F36 B1 FF CMPA ##FF
574 6F38 26 02 BNE Z6F3C
575 6F3A 6F 1F CLR -#01,X
576 6F3C BC E218 Z6F3C CMPX #ZE218
577 6F3F 26 F3 BNE Z6F34
578 6F41 10BE 0000 LDY #WAVBAS
579 6F45 CE 0100 LDU #Z0100
580 6F48 BE 0080 LDX #Z0080
581 6F48 C6 40 LDB ##40
582 6F4D E7 E2 STB ,-S
583 6F4F C6 B0 Z6F4F LDB ##B0
584 6F51 A6 A0 Z6F51 LDA ,Y+
585 6F53 AB C0 ADDA ,U+
586 6F55 46 RORA
587 6F56 A7 B0 STA ,X+
588 6F58 5A DECB
589 6F59 26 F6 BNE Z6F51
590 6F5B 30 B9 0080 LEAX #0080,X
591 6F5F 31 A9 0080 LEAY #0080,Y
592 6F63 33 C9 0080 LEAU #0080,U
593 6F67 6A E4 DEC ,S
594 6F69 26 E4 BNE Z6F4F
595 6F6B 32 61 LEAS #01,S
596 6F6D BE 3F00 LDX #Z3F00
597 6F70 10BE 3F80 LDY #Z3F80
598 6F74 BD 72D2 JSR >Z72D2

```

Vernetze 3F00 bis 3F80
~~Wasserfall~~
 nach 3F80 bis 3FFF
 Loop Teil?

Vpn 205

599	6F77	4F		CLRA	
600	6F78	8E	4000	LDX	#TENDE
601	6F7B	BF	EA24	STX	>WALEND
602	6F7E	8E	0000	LDX	#WAVBAS
603	6F81	7F	EA6B	CLR	>BANK
604	6F84	7F	EA2D	CLR	>MERK1
605	6F87	7F	EA72	CLR	>EA72
606	6F8A	34	10	PSHS	X
607	6F8C	34	02	PSHS	A
608	6F8E	7F	E900	CLR	>ZE900
609	6F91	CC	0005	LDD	#0005
610	6F94	AD	9F 5834	JSR	[Z5834]
611	6F98	35	02	PULS	A
612	6F9A	B7	E900	STA	>ZE900
613	6F9D	CC	0108	LDD	#0108
614	6FA0	AD	9F 5834	JSR	[Z5834]
615	6FA4	35	10	PULS	X
616	6FA6	B6	EA3E	LDA	>UNIT
617	6FA9	B1	FF	CMFA	#%FF
618	6FAB	26	01	BNE	Z6FAE
619	6FAD	39		RTS	
620					
621	6FAE	B6	EA6B	LDA	>BANK
622	6FB1	48		ASLA	
623	6FB2	48		ASLA	
624	6FB3	48		ASLA	
625	6FB4	48		ASLA	
626	6FB5	48		ASLA	
627	6FB6	F6	EA2D	LDB	>MERK1
628	6FB9	5C		INCB	
629	6FBA	5A		DECB	
630	6FBB	27	04	BEQ	Z6FD1
631	6FBD	8B	10	ADDA	#010
632	6FBF	20	F9	BRA	Z6FBA
633					
634	6FC1	B7	E900	STA	>ZE900
635	6FC4	CC	0109	LDD	#0109
636	6FC7	1F	13	TFR	X,U
637	6FC9	AD	9F 5834	JSR	[Z5834]
638	6FCD	7D	EA4A	TST	>TSWAVE
639	6FD0	27	01	BEQ	Z6FD3
640	6FD2	39		RTS	
641					
642	6FD3	B6	FE	LDA	#%FE
643	6FD5	B7	FD02	STA	>PIA+2
644	6FDB	B6	FD00	LDA	>PIA
645	6FDB	10BE	8000	LDY	#28000
646	6FDF	31	3F	LEAY	-#01,Y
647	6FE1	27	25	BEQ	Z700B
648	6FE3	7D	FD01	TST	>PIA+1
649	6FE6	2A	F7	BPL	Z6FDF
650	6FEB	B6	FD00	LDA	>PIA
651	6FEB	7F	FD01	CLR	>PIA+1
652	6FEE	B6	FF	LDA	#%FF

clear Info Byte 8-12 Bit!

Select 12 Bit Transfer.

Bank Nr
Code

Sender V. CMD

code

} Bank Selection!

Bank Nr. Transmitt Bank Nr.
Code
Wavchan + Syn Nr

TRANSFER Transienten

ERROR-Ruest

} System da?

653	6FF0 B7	FD00	STA	>PIA
654	6FF3 B6	04	LDA	##04
655	6FF5 B7	FD01	STA	>PIA+1
656	6FFB 1F	31	TFR	U, X
657	6FFA 7D	ECBD	TST	>ZECBD
658	6FFD 26	2C	BNE	Z702B
659	6FFF A6	80	LDA	, X+
660	7001 BD	46	BSR	Z7049
661	7003 BC	EA24	CMPS	>WALEND
662	7006 26	F7	BNE	Z6FFF
663	7008 B6	FD00	LDA	>PIA
664	700B 7F	FD01	CLR	>PIA+1
665	700E 7F	FD00	CLR	>PIA
666	7011 B6	04	LDA	##04
667	7013 B7	FD01	STA	>PIA+1
668	7016 B6	FF	LDA	##FF
669	7018 B7	FD02	STA	>PIA+2
670	701B B6	FD00	LDA	>PIA
671	701E 39		RTS	
672				
673	701F BE	4000	LDX	##TENDE
674	7022 BF	EA24	STX	>WALEND
675	7025 BE	0000	LDX	##WVBAS
676	702B 16	FF7B	LBRA	Z6FA3
677				
678	702B 7D	EA72	TST	>ZEA72
679	702E 26	CF	BNE	Z6FFF
680	7030 A6	80	LDA	, X+
681	7032 5F		CLRB	
682	7033 44		LSRA	
683	7034 56		RORB	
684	7035 44		LSRA	
685	7036 56		RORB	
686	7037 44		LSRA	
687	7038 56		RORB	
688	7039 44		LSRA	
689	703A 56		RORB	
690	703B F7	FD00	STB	>PIA
691	703E BD	0F	BSR	Z704F
692	7040 BD	07	BSR	Z7049
693	7042 BC	EA24	CMPS	>WALEND
694	7045 26	E9	BNE	Z7030
695	7047 20	BF	BRA	Z7008
696				
697	7049 B7	FD00	STA	>PIA
698	>704C BD	705C	JSR	>Z705C
699	704F C6	34	LDB	##34
700	7051 F7	FD03	STB	>PIA+3
701	>7054 BD	705C	JSR	>Z705C
702	7057 C6	3C	LDB	##3C
703	7059 F7	FD03	STB	>PIA+3
704	705C 39		RTS	
705				
706	705D 0315	Z705D	FDB	Z0315

warban

Setim K. Biru / Terim R. CM

} Loop: Transmit

Reset Pias

Einsprung Kommand von R.CM
und von HH.CM (Z6DAS)

Info Byte: 8-12 Bit

Decode Sound
8-12 Bit ?} Loop
TransmitFlanke
Transmit + Flanke

Subro: Transmit Byte

707	705F	EA38		FDB	PWN
708	7061	0415		FDB	Z0415
709	7063	E1B1		FDB	ZE1B1
710	7065	0515		FDB	Z0515
711	7067	E1B0		FDB	ZE1B0
712	7069	8E	705D	LDX	#Z705D
713	706C	AD	9F 5B14	JSR	[Z5B14]
714	7070	30	04	LEAX	#04,X
715	7072	AD	9F 5B14	JSR	[Z5B14]
716	7076	30	04	LEAX	#04,X
717	707B	6E	9F 5B14	JMP	[Z5B14]
718					
719	707C	86	10	Z707C	LDA ##10
720	707E	8E	8F8A	LDX	#Z8F8A
721	7081	20	05	BR	Z7088
722					
723	7083	86	20	LDA	##20
724	7085	8E	8F80	LDX	#Z8F80
725	7088	B7	EA45	Z7088	STA >CLMERK
726	708B	10BE	0000	LDY	#WAVBAS
727	708F	C6	96	LDB	##96
728	7091	10AF	B1	Z7091	STY ,X++
729	7094	4A		DECA	
730	7095	26	FA	BNE	Z7091
731	7097	B6	EA45	LDA	>CLMERK
732	709A	B1	20	CMFA	##20
733	709C	27	03	BEQ	Z70A1
734	709E	30	8B 20	LEAX	#20,X
735	70A1	5A		Z70A1	DECB
736	70A2	26	ED	BNE	Z7091
737	70A4	39		RTS	
738					
739	70A5	8E	E190	LDX	#ZE190
740	70AB	6F	B0	Z70AB	CLR ,X+
741	70AA	BC	E1B1	CMFX	#ZE1B1
742	70AD	26	F9	BNE	Z70AB
743	70AF	39		RTS	
744					
745	70B0	10BE	EA32	Z70B0	LDY >VLAGE
746	70B4	10BF	EA27	STY	>BYTEZ
747	70B8	10BE	01FF	LDY	##WX1FF
748	70BC	86	B0	LDA	##80
749	70BE	B7	EA26	STA	>BITPTR
750	70C1	7F	EA3A	CLR	>MERK4
751	70C4	E6	B0	LDB	,X+
752	70C6	54		LSRB	
753	70C7	F7	EA39	STB	>MERK3
754	70CA	E6	1F	LDB	-#01,X
755	70CC	C8	90	ADDB	##80
756	70CE	BD	7167	JSR	>Z7167
757	70D1	E6	80	Z70D1	LDB ,X+
758	70D3	34	20	PSHS	Y
759	>70D5	BD	7127	JSR	>Z7127
760	70DB	35	20	PULS	Y

815					
816	7148	7C	EA3A	Z7148	INC >MERK4
817	7148	8D	1D		BSR Z716A
818	714D	35	04		PULS B
819	714F	F7	EA39		STB >MERK3
820	7152	39			RTS
821					
822	7153	34	04	Z7153	FSHS B
823	7155	F6	EA39		LDB >MERK3
824	7158	5A			DECB
825	7159	F7	EA39		STB >MERK3
826	715C	8D	0C		BSR Z716A
827	715E	35	04		PULS B
828	7160	F1	EA39		CMFB >MERK3
829	7163	27	E3		BEQ Z7148
830	7165	20	EC		BRA Z7153
831					
832	7167	CB	80	Z7167	ADDB ##80
833	7169	54			LSRB
834	716A	53		Z716A	COMB
835	716B	F0	EA29		SUBB >NULAGE
836	716E	4F			CLRA
837	716F	44			LSRA
838	7170	56			RORB
839	7171	46			RORA
840	7172	56			RORB
841	7173	46			RORA
842	7174	1E	89		EXG A,B
843	7176	F3	EA27		ADDD >BYTEZ
844	7179	C3	8000		ADDD ##8000
845	717C	1F	03		TFR D,U
846	717E	A6	C4		LDA ,U
847	7180	BA	EA26		ORA >BITPTR
848	7183	A7	C4		STA ,U
849	7185	7D	EA3A		TST >MERK4
850	7188	27	0D		BEQ Z7197
851	718A	74	EA26		LSR >BITPTR
852	718D	24	08		BCC Z7197
853	718F	86	80		LDA ##80
854	7191	B7	EA26		STA >BITPTR
855	7194	7C	EA28		INC >ZEA28
856	7197	39		Z7197	RTS
857					
858	7198	86	80	Z7198	LDA ##80
859	719A	B7	EA26		STA >BITPTR
860	719D	10BE	EA32		LDY >VLAGE
861	71A1	10BF	EA27		STY >BYTEZ
862	71A5	B7	EA3A		STA >MERK4
863	71AB	5F		Z71AB	CLRB
864	71A9	34	40		FSHS U
865	71AB	8D	BA		BSR Z7167
866	71AD	35	40		PULS U
867	71AF	33	5F		LEAU -#01,U
868	71B1	1183	0000		CMPL ##WAVBAS

IMPTABLE

GRAFIK Ausgabe

```

869 71B5 26 F1 BNE Z71AB
870 71B7 39 RTS
871
872 71B8 7C EF0E Z71B8 INC >INVFLG
873 71B8 4F CLRAB
874 71BC 5F CLRB
875 71BD AD 9F 5824 JSR [Z5824] SECUR
876 71C1 F6 EA3D LDB >PAGEM
877 71C4 C1 01 CMPB ##01
878 71C6 26 03 BNE Z71CB
879 71C8 8E 740C LDX #Z740C
880 71CB C1 02 Z71CB CMPB ##02
881 71CD 26 03 BNE Z71D2
882 71CF 8E 748F LDX #Z748F
883 71D2 C1 03 Z71D2 CMPB ##03
884 71D4 26 03 BNE Z71D9
885 71D6 8E 74FD LDX #Z74FD "PPG Wave Form Page 3 INPRT Transit"
886 71D9 C1 04 Z71D9 CMPB ##04
887 71DB 26 03 BNE Z71E0
888 71DD 8E 7586 LDX #Z7586
889 71E0 8D F027 Z71E0 JSR >PDAT1
890 71E3 39 RTS
891
892 71E4 C6 10 Z71E4 LDB ##10
893 71E6 86 02 LDA ##02
894 71E8 8E E1E8 LDX #Z1E8
895 >71EB 7E 720F JMP >Z720F
896
897 71EE C6 80 Z71EE LDB ##80
898 71F0 86 80 LDA ##80
899 71F2 A7 80 Z71F2 STA ,X+
900 71F4 5A DECB
901 71F5 26 FB BNE Z71F2
902 71F7 39 RTS
903
904 * *****
905 71F8 86 FF LDA ##FF
906 71FA C6 40 LDB ##40
907 71FC 8E 3700 LDX #Z3700
908 * *****
909
910 71FF A7 80 Z71FF STA ,X+
911 7201 5A DECB
912 7202 26 FB BNE Z71FF
913 7204 C6 40 LDB ##40
914 7206 8E 3FC0 LDX #Z3FC0
915 7209 A7 80 Z7209 STA ,X+
916 720B 5A DECB
917 720C 26 FB BNE Z7209
918 720E 39 RTS
919
920 720F F7 EA2D Z720F STB >MERK1
921 7212 108E 002C LDY #Z002C
922 7216 10BF EF07 STY >YKOR

```

JMP Table

"PPG Wave Form Page 3 INPRT Transit"

Page 2 Display Rows

Rows

Display Page

7, 2

923	721A	108E	019B		LDY	#Z019B
924	721E	10BF	EF05		STY	>KKOR
925	7222	10BF	EA34		STY	>KKORME
926	7226	34	02		PSHS	A
927	7228	A6	E4	Z7228	LDA	,S
928	722A	3D			MUL	
929	722B	B6	EA3D		LDA	>PAGEM
930	722E	81	01		CMPA	##01
931	7230	27	01		BEQ	Z7233
932	7232	5A			DECB	
933	7233	AD	9F 581C	Z7233	JSR	[Z581C]
934	7237	BD	72DC		JSR	>Z72DC
935	723A	E6	B2		LDB	,X
936	723C	AD	9F 581C		JSR	[Z581C]
937	7240	BD	72DC		JSR	>Z72DC
938	7243	BD	72DC		JSR	>Z72DC
939	7246	BD	72DC		JSR	>Z72DC
940	7249	F6	EA2D		LDB	>MERK1
941	724C	CB	10		ADDB	##10
942	724E	A6	E4		LDA	,S
943	7250	3D			MUL	
944	7251	B6	EA3D		LDA	>PAGEM
945	7254	81	01		CMPA	##01
946	7256	27	01		BEQ	Z7259
947	7258	5A			DECB	
948	7259	AD	9F 581C	Z7259	JSR	[Z581C]
949	>725D	BD	72DC		JSR	>Z72DC
950	7260	E6	8B 10		LDB	#10,X
951	7263	AD	9F 581C		JSR	[Z581C]
952	>7267	BD	72DC		JSR	>Z72DC
953	726A	FC	EA34		LDD	>KKORME
954	726D	FD	EF05		STD	>KKOR
955	7270	FC	EF07		LDD	>YKOR
956	7273	C3	000A		ADDD	##000A
957	7276	FD	EF07		STD	>YKOR
958	7279	7A	EA2D		DEC	>MERK1
959	727C	F6	EA2D		LDB	>MERK1
960	727F	26	A7		BNE	Z7228
961	7281	32	61		LEAS	#01,S
962	7283	39			RTS	
963						
964	7284	30	89 0080	Z7284	LEAX	#0080,X
965	7288	BF	EA20		STX	>WELANF
966	728B	30	88 80		LEAX	-#80,X
967	728E	B6	EA2C		LDA	>HARMN
968	7291	34	02	Z7291	PSHS	A
969	7293	B6	EA2A		LDA	>PEGEL
970	7296	48			ASLA	
971	7297	E6	84		LDB	,X
972	7299	3D			MUL	
973	729A	B9	80		ADCA	##80
974	729C	B0	EA2A		SUBA	>PEGEL
975	729F	A7	A0		STA	,Y+
976	72A1	35	02		PULS	A

E770

Compute Page 7

E790 (Pegel)

E090


```

977 72A3 10BC EA22      CMPY  >WELEND
978 72A7 27 0C          BEQ   Z72B5
979 72A9 30 86          LEAX   A,X
980 72AB BC EA20        CMPX   >WELANF
981 72AE 2B E1          BMI    Z7291
982 72B0 30 88 80      LEAX   -#80,X
983 72B3 20 DC          BRA    Z7291
984
985 72B5 39             Z72B5 RTS
986
987 72B6 C6 47          Z72B6 LDB   ##47
988 72B8 81 10          CMPA   ##10
989 72BA 23 04          BLS    Z72C0
990 72BC CB 08          ADDB   ##08
991 72BE 80 10          SUBA   ##10
992 72C0 8B 05          Z72C0 ADDA   ##05
993 72C2 AD 9F 5824     JSR    [Z5824]
994 72C6 6E 9F 5830     JMP    [Z5830]
995
996 72CA 6E 9F 582E     Z72CA JMP    [Z582E]
997
998 72CE 6E 9F 582C     Z72CE JMP    [Z582C]

```

E770

```

1000 72D2 C6 80          Z72D2 LDB   ##80
1001 72D4 A6 80          Z72D4 LDA   ,X+
1002 72D6 A7 A0          STA   ,Y+
1003 72D8 5A             DECB
1004 72D9 26 F9          BNE    Z72D4
1005 72DB 39             RTS

```

3F00-3F80 => 3A00-3FFF

Transient-Loop
Vernats Subtra

```

1007 72DC 86 20          Z72DC LDA   ##20
1008 72DE 6E 9F 5832     JMP    [Z5832]
1009
1010 72E2 10BE ES00       Z72E2 LDY   #ZE500
1011 72E6 86 01          LDA   ##01
1012 72E8 34 02          Z72E8 PSHS   A
1013 72EA B7 EA3B        STA   >FAKTOR
1014 72ED 7F EA61        CLR   >PHI
1015 72F0 8D 3D          BSR    Z732F
1016 72F2 ED A8 50       STD    #50,Y
1017 72F5 34 02          PSHS   A
1018 72F7 86 20          LDA   ##20
1019 72F9 B7 EA61        STA   >PHI
1020 72FC 8D 31          BSR    Z732F
1021 72FE ED A7 0090     STD    #0090,Y
1022 7302 4D             TSTA
1023 7303 2A 01          BPL    Z7306
1024 7305 40             NEGA
1025 7306 1F 89          Z7306 TFR    A,B
1026 7308 4D             TSTA
1027 7309 3D             MUL
1028 730A 34 06          PSHS   B,A
1029 730C A6 62          LDA   #02,B
1030 730E 2A 01          BPL    Z7311

```

Analyse

C. 1084

W B I N A

V2 R 3.3

Waveterm

ALTZ 00065 00465 00470
 BANK 00073 00603 00621
 BITPTR 00045 00749 00771 00847 00851 00854 00859
 BYTEZ 00046 00746 00766 00843 00861
 CLMERK 00062 00725 00731
 DELTA 00052 00438 00444 00454
 FAKTOR 00067 01013 01044 01056
 HALFTE 00063 00348 00362 00407 00430 00485 00498
 HARMN 00050 00169 00181 00203 00210 00258 00287 00293 00316 00320 00334
 00967

INESC 00075 00158 00160 00397 00399
 INTEG 00068 01051 01082 01083 01090 01092 01101 01108 01112 01123
 INVFLB 00080 00872
 MERK1 00051 00292 00313 00315 00604 00627 00920 00940 00958 00959
 MERK3 00058 00753 00775 00803 00807 00809 00812 00819 00823 00825 00828
 MERK4 00059 00750 00772 00800 00816 00849 00862
 MINUS 00054 00436 00448 00450
 NULAGE 00048 00835
 PAGEM 00060 00876 00929 00944
 PDATA1 00081 00331 00889
 PEGEL 00049 00185 00303 00321 00325 00332 00969 00974
 PHI 00071 01014 01019 01058
PIA 00082 00643 00644 00648 00650 00651 00653 00655 00663 00664 00665

PWN 00057 00388 00390 00514 00707
 SDELTA 00053 00440 00452 00455
 SOFKEY 00077 00464 00469
 TENDE 00020 00600 00673
 TSWAVE 00066 00638
 UNIT 00061 00616
 VLABE 00055 00745 00765 00860
 WALEND 00044 00283 00601 00661 00674 00693
 WAVBAS 00007 00091 00435 00502 00532 00578 00602 00675 00726 00868
 WAVNU 00072 00365 00371 00376 00385
 WELANF 00042 00965 00980
 WELEND 00043 00193 00295 00311 00328 00768 00789 00977
 WTABL 00064 00412
 WX1FF 00012 00747
 XKDR 00078 00924 00954
 XKORME 00056 00925 00953
 YKQR 00079 00922 00955 00957
 Z002C 00008 00921
 Z0080 00009 00580
 Z0100 00010 00187 00338 00579
 Z0198 00011 00923
 Z0315 00013 00705
 Z0415 00014 00708
 Z0515 00015 00710
 Z3700 00016 00907
 Z3F00 00017 00596
 Z3F80 00018 00597
 Z3F00 00019 00914
 Z4040 00021 00231 01053
 Z5808 00091
 Z5814 00096 00713 00715 00717
 Z5816 00097 00217 00222 00260 00270 00411 00489
 Z5818 00098 00159 00398
 Z581A 00099 00172 00379
 Z581C 00100 00933 00936 00948 00951
 Z5824 00101 00346 00456 00875 00993
 Z582C 00102 00998
 Z582E 00103 00996
 Z5830 00104 00175 00382 00457 00476 00483 00994
 Z5832 00105 01008

Handwritten signature
Waveterm
Waveterm

Page 1, 2, 3

Z6B00	00112	00092							
Z6B64	00157	00112							
Z6B78	00166	00162							
Z6B7E	00169	00164	00167	00208	00214				
Z6B92	00177	00174							
Z6B98	00180	00178							
Z6BCC	00198	00262	00265						
Z6BD6	00203	00113							
Z6BDF	00208	00206							
Z6BE1	00210	00114							
Z6BEB	00214	00212							
Z6BEA	00216	00115							
Z6BF5	00221	00116							
Z6C01	00226	00223	00264	00393	00519				
Z6C18	00234	00238							
Z6C3F	00250	00240	00261	00391	00517				
Z6C50	00258	00117							
Z6C6F	00269	00118							
Z6C86	00279	00119	00219	00224	00266	00394			
Z6C88	00281	00462							
Z6C98	00287	00241	00279	00520					
Z6CB3	00296	00318							
Z6CD0	00307	00312							
Z6CDE	00313	00301							
Z6D18	00337	00280	00461						
Z6D27	00343	00125	00409	00425	00432	00487	00500		
Z6D3D	00351	00349							
Z6D43	00354	00343							
Z6D49	00356	00361							
Z6D5A	00365	00124							
Z6D64	00371	00123							
Z6D6D	00376	00367	00369	00374	00405				
Z6D81	00384	00381							
Z6D9F	00396	00122							
Z6DB1	00403	00401							
Z6DB6	00407	00127							
Z6DBE	00410	00408							
Z6DDF	00423	00449							
Z6DEC	00430	00126							
Z6DF4	00433	00431							
Z6DFB	00436	00428							
Z6E08	00441	00478							
Z6E25	00454	00447							
Z6E33	00458	00443							
Z6E50	00469	00471							
Z6E59	00472	00466							
Z6E64	00477	00475							
Z6E6B	00482	00468							
Z6E71	00485	00128							
Z6E79	00488	00486							
Z6E90	00498	00129	00154	00420					
Z6E98	00501	00499							
Z6EA7	00507	00505							
Z6EAF	00510	00508	00529						
Z6ED8	00526	00512	00513						
Z6EE1	00530	00569							
Z6EE9	00533	00539							
Z6EF8	00541	00534							
Z6F04	00546	00550							
Z6F0F	00552	00547							
Z6F1C	00559	00561							
Z6F25	00563	00568							
Z6F31	00571	00538							
Z6F34	00572	00577							
Z6F3C	00576	00574							
Z6F4F	00583	00594							

Z7311	01032 01030
Z732F	01049 01015 01020 01045
Z733E	01054 01096
Z7360	01071 01069
Z7364	01074 01072
Z737F	01086 01078
Z7391	01093 01084 01099
Z739A	01098 01076
Z739E	01101 01094
Z73C0	01119 01115
Z73CD	01128 01036
Z73DB	01134 01148
Z73EE	01145 01140
Z73F2	01147 01143
Z73FB	01150 01139
Z7407	01158 01154
Z740B	01160 01129
Z740C	01162 00879
Z748F	01177 00882
Z74FD	01189 00885
Z7586	01205 00888
Z75EC	01217 00347
Z75F2	01220 00350
Z7641	01228 00093
Z777B	01239 00094
Z77AF	01295 00221
Z77B7	01297 00216
Z77BF	01299 00269
Z77C7	01301 00259
Z77CF	01303 00410 00488
ZB000	00023 00645
ZBF80	00024 00724
ZBF8A	00025 00720
ZE010	00026 00189 00242 00284 00289 00305 00326 00340 00458 00521
ZE090	00027 00194 00196 00282 00297 00306
ZE110	00028 00191 00192 00232 00243 00294 00296
ZE190	00029 00180 00227 00246 00254 00275 00298 00739
ZE1A0	00030 00200
ZE1B0	00031 00323 00711
ZE1B1	00032 00263 00392 00518 00709 00741
ZE1B4	00033 00228 00245
ZE1DB	00034 00354 00384 00417 00494 00503 00506 00510 00531 00571
ZE1EB	00035 00894
ZE1FB	00036 00360
ZE21B	00037 00576
ZE420	00038 01052
ZE49F	00039 01093
ZE500	00040 01010
ZE900	00041 00608 00612 00634
ZE92B	00047 00855
ZE95D	00069 01050 01079 01080 01087 01089
ZE95E	00070 01102 01105
ZE972	00074 00605 00678
ZE98D	00076 00657

6.10.84

QPT PAG

R. CMD

V2

R 3.3

Waveterm

Page 4

Resonator

2				
3				
4				
5	0000	WAVBAS	EQU	\$0000
6	0009	Z0009	EQU	\$0009
7	000A	Z000A	EQU	\$000A
8	000B	Z000B	EQU	\$000B
9	000E	Z000E	EQU	\$000E
10	0014	WAV14	EQU	\$0014
11	0063	Z0063	EQU	\$0063
12	0064	Z0064	EQU	\$0064
13	00B0	Z00B0	EQU	\$00B0
14	00E8	Z00E8	EQU	\$00E8
15	00FF	Z00FF	EQU	\$00FF
16	0100	Z0100	EQU	\$0100
17	01FD	Z01FD	EQU	\$01FD
18	0200	Z0200	EQU	\$0200
19	020F	Z020F	EQU	\$020F
20	021E	Z021E	EQU	\$021E
21	0320	Z0320	EQU	\$0320
22	0800	WX800	EQU	\$0800
23	1770	Z1770	EQU	\$1770
24	4000	TENDE	EQU	\$4000
25	403E	Z403E	EQU	\$403E
26	403F	Z403F	EQU	\$403F
27				
28	6B50	Z6B50	EQU	\$6B50
29	6B52	Z6B52	EQU	\$6B52
30	6B54	Z6B54	EQU	\$6B54
31	6B56	Z6B56	EQU	\$6B56
32	6B58	Z6B58	EQU	\$6B58
33	6B5A	Z6B5A	EQU	\$6B5A
34	6B5C	Z6B5C	EQU	\$6B5C
35	6B5E	Z6B5E	EQU	\$6B5E
36	6B60	Z6B60	EQU	\$6B60
37	6B62	Z6B62	EQU	\$6B62
38	8F80	Z8F80	EQU	\$8F80
39	C085	ZC085	EQU	\$C085
40	E010	ZE010	EQU	\$E010
41	E110	ZE110	EQU	\$E110
42	E190	ZE190	EQU	\$E190
43	E1A0	ZE1A0	EQU	\$E1A0
44	E1B0	ZE1B0	EQU	\$E1B0
45	E1B1	ZE1B1	EQU	\$E1B1
46	E1D8	ZE1D8	EQU	\$E1D8
47	E220	ZE220	EQU	\$E220
48	E420	ZE420	EQU	\$E420
49	E500	ZE500	EQU	\$E500
50	E900	ZE900	EQU	\$E900
51	E901	ZE901	EQU	\$E901
52	E939	ZE939	EQU	\$E939
53	E950	ZE950	EQU	\$E950
54	EA20	WELANF	EQU	\$EA20
55	EA24	WALEND	EQU	\$EA24
56	EA29	NULAGE	EQU	\$EA29
57	EA2C	HARMN	EQU	\$EA2C
58	EA2D	MERK1	EQU	\$EA2D

151		581A	Z581A	EQU	%581A
152		581E	Z581E	EQU	%581E
153		5824	Z5824	EQU	%5824
154		5826	Z5826	EQU	%5826
155		5830	Z5830	EQU	%5830
156		5832	Z5832	EQU	%5832
157		5834	Z5834	EQU	%5834 <i>ende</i>
158					
159				* *****	
160	6B28			ORG	%6B28
161				* *****	
162					
163	6B28	653D		FDB	Z653D
164	6B2A	66E7		FDB	Z66E7
165	6B2C	66B3		FDB	Z66B3
166	6B2E	6533		FDB	Z6533
167	6B30	6357		FDB	Z6357
168	6B32	650F		FDB	Z650F
169	6B34	61DA		FDB	Z61DA
170	6B36	62A5		FDB	Z62A5
171	6B38	61D2		FDB	Z61D2
172	6B3A	61D6		FDB	Z61D6
173	6B3C	671B		FDB	Z671B
174	6B3E	6766		FDB	Z6766
175	6B40	673F		FDB	Z673F
176	6B42	678E		FDB	Z678E
177	6B44	67BF		FDB	Z67BF
178	6B46	68C5		FDB	Z68C5
179	6B48	687B		FDB	Z687B
180	6B4A	68D2		FDB	Z68D2
181	6B4C	61D2		FDB	Z61D2
182	6B4E	61D6		FDB	Z61D6
183					
184				* *****	
185	6000			ORG	%6000
186				* *****	
187					
188	6000	8D	03	Z6000	BSR Z6005
189	6002	16	0095		LBRA Z609A
190					
191	6005	8E	4174	Z6005	LDX #Z4174
192	6008	6F	82	Z6008	CLR , -X
193	600A	8C	40C0		CMPX #Z40C0
194	600D	26	F9		BNE Z6008
195	600F	8E	E1D8		LDX #ZE1D8
196	6012	6F	80	Z6012	CLR , X+
197	6014	8C	E220		CMPX #ZE220
198	6017	26	F9		BNE Z6012
199	6019	7F	EA2C		CLR >HARMN
200	601C	7F	EB06		CLR >ZEB06
201	601F	7F	EA66		CLR >PFL6
202	6022	86	FF		LDA ##FF
203	6024	87	EB01		STA >INPW
204	6027	86	01		LDA ##01

205	6029 B7	EA3D	STA	>PAGEM
206	602C B7	E1B1	STA	>ZE1B1
207	602F B7	EB07	STA	>ZEB07
208	6032 C6	05	LDB	##05
209	6034 10BE	61C6	LDY	##Z61C6
210	6038 BD	61B0	JSR	>Z61B0
211	603B B6	3F	LDA	##3F
212	603D B7	EA3B	STA	>AMPLL
213	6040 C6	07	LDB	##07
214	6042 BD	61B0	JSR	>Z61B0
215	6045 B6	1F	LDA	##1F
216	6047 B7	412B	STA	>Z412B
217	604A B6	0F	LDA	##0F
218	604C B7	414C	STA	>Z414C
219	604F B6	0B	LDA	##0B
220	6051 B7	4170	STA	>Z4170
221	6054 BE	4040	LDX	##Z4040
222	6057 10BE	E110	LDY	##ZE110
223	605B C6	80	LDB	##80
224	605D A6	80	LDA	,X+
225	605F BB	80	ADDA	##80
226	6061 A7	A0	STA	,Y+
227	6063 5A		DECB	
228	6064 26	F7	BNE	Z605D
229	6066 BE	E010	LDX	##ZE010
230	6069 AD	9F 6B50	JSR	[Z6B50]
231	606D AD	9F 6B50	JSR	[Z6B50]
232	6071 BE	E190	LDX	##ZE190
233	6074 6F	B0	CLR	,X+
234	6076 BC	E1B1	CMFX	##ZE1B1
235	6079 26	F9	BNE	Z6074
236	607B B6	3F	LDA	##3F
237	607D B7	E1B0	STA	>ZE1B0
238	6080 39		RTS	
239				
240	6081 BE	0000	LDX	##WAVBAS
241	6084 BF	EA41	STX	>NATANF
242	6087 B6	30	LDA	##30
243	6089 B7	EA29	STA	>NULAGE
244	608C BF	EA32	STX	>VLAGE
245	608F BE	0100	LDX	##Z0100
246	6092 BF	EA4B	STX	>XP0B
247	6095 20	03	BRA	Z609A
248				
249	6097 7F	EA46	CLR	>HALFTE
250	609A 7C	EF0E	INC	>INVFLG
251	609D 7C	EB05	INC	>INEBC
252	60A0 7F	EA36	CLR	>ECHO
253	60A3 7F	EA53	CLR	>LOOP
254	60A6 7F	EB04	CLR	>INFENB
255	60A9 7F	EB00	CLR	>FILE
256	60AC B6	0C	LDA	##0C
257	60AE AD	9F 5B32	JSR	[Z5B32]
258	60B2 F6	EA3D	LDB	>PAGEM

Init

80 Byte Clear mit 580
Ab E090 weiter 80 Byte bis
E110

Clear Teilton Table

Imp table

OUTCX

259	60B5 C1 03	CMPB	##03	
260	60B7 24 14	BCC	Z60CD	
261	60B9 10BE 000A	LDY	Z1000A	
262	60BD 10BF EA32	STY	>VLAGE	
263	60C1 86 30	LDA	##30	
264	60C3 B7 EA29	STA	>NULAGE	
265	60C6 CE 0100	LDU	#Z0100	
266	60C9 AD 9F 6B52	JSR	[Z6B52]	w. Bin Grafik ausgabe
267	60CD AD 9F 6B54 Z60CD	JSR	[Z6B54]	w. Bin "Page 3 Text" ausgabe
268	60D1 F6 EA3D	LDB	>PAGEM	
269	60D4 C1 01	CMPB	##01	
270	60D6 26 07	BNE	Z60DE	
271	60DB 34 04	PSHS	B	
272	60DA BD 618E	JSR	>Z618E	Display Page 7/2
273	60DD 35 04	PULS	B	
274	60DF C1 02	CMPB	##02	
275	60E1 26 08	BNE	Z60EB	
276	60E3 34 04	PSHS	B	
277	60E5 AD 9F 6B56	JSR	[Z6B56]	
278	60E9 35 04	PULS	B	
279	60EB BE 5B0E	LDX	>Z5B0E	
280	60EE 5A	DECB		
281	60EF 27 04	BEQ	Z60FS	
282	60F1 30 08	LEAX	#05, X	
283	60F3 20 F9	BRA	Z60EE	
284				
285	60F5 10BE 5B0C	LDY	>Z5B0C	
286	60F9 AD 9F 5B12	JSR	[Z5B12]	TASBE
287	60FD F6 EA3D	LDB	>PAGEM	
288	6100 C1 03	CMPB	##03	
289	6102 26 33	BNE	Z6137	woru 2
290	6104 86 03	LDA	##03	Page 3
291	6106 7F EA2D	CLR	>MERK1	
292	6109 AD 9F 6B5A	JSR	[Z6B5A]	Transmit (im W. Bin) 7. Bank No. (über v.c.10)
293	610D BE 4000	LDX	#TENDE	2. Transiente (W. Bin)
294	6110 10BE E900	LDY	#ZE900	
295	6114 C6 40	LDB	##40	
296	6116 BD 57	BSR	Z616F	x -> y Transfer
297	6118 BE E939	LDX	#ZE939	
298	611B 10BE C0B5	LDY	#ZC0B5	Text Buff + 5
299	611F C6 03	LDB	##03	
300	6121 BD 4C	BSR	Z616F	x -> y Transfer
301	6123 7F E950	CLR	>ZE950	
302	6126 CC 0305	LDD	#0305	copy
303	6129 AD 9F 5B34	JSR	[Z6B34]	Seite 3. Sende W 2.3 Parameter
304	612D 86 01	LDA	##01	
305	612F B7 EA40	STA	>Z00MER	
306	6132 BD 65E8	JSR	>Z65E8	
307	6135 20 34	BRA	Z616B	
308				
309	6137 C1 04	CMPB	##04	
310	6139 26 30	BNE	Z616B	
311	613B BE 0000	LDX	#WAVBAS	
312	613E BF EA32	STX	>VLAGE	

```

313 6141 C6 C7 LDB ##C7
314 6143 CE 0200 LDU #Z0200
315 6146 8D 2F BSR Z6177
316 6148 86 38 LDA ##38
317 614A B7 EA29 STA >NULAGE
318 614D 8E E220 LDX #ZE220
319 6150 AD 9F 6B5C JSR [Z6B5C]
320 6154 86 96 LDA ##96
321 6156 B7 EA4D STA >YPOS
322 6159 7F EA4B CLR >XPOS
323 615C 7F EA4C CLR >ZEA4C
324 615F BD 6997 JSR >Z6997
325 6162 7F EA50 CLR >YPOA
326 6165 7F EA4E CLR >XPOA
327 6168 7F EA4F CLR >ZEA4F
328 616B 6E 9F 5810 Z616B JMP [JMFTAB] INITAS
329
330 616F A6 B0 Z616F LDA ,X+
331 6171 A7 A0 STA ,Y+
332 6173 5A DECB
333 6174 26 F9 BNE Z616F
334 6176 39 RTS
335
336 6177 F7 EA4D Z6177 STB >YPOS
337 617A FF EA24 STU >WALEND
338 617D BF EA4B Z617D STX >XPOS
339 6180 BD 6638 JSR >Z6638
340 6183 BE EA4B LDX >XPOS
341 6186 30 01 LEAX #01,X
342 6188 BC EA24 CMPX >WALEND
343 618B 26 F0 BNE Z617D
344 618D 39 RTS
345
346 618E C6 10 Z618E LDB ##10
347 6190 86 01 LDA ##01
348 6192 8E E1A0 LDX #ZE1A0
349 6195 6E 9F 6B5E JMP [Z6B5E]
350
351 6199 86 20 Z6199 LDA ##20
352 619B BE BF80 LDX #ZBF80
353 619E 108E 0000 LDY #WAVBAS
354 61A2 C6 96 LDB ##96
355 61A4 10AF B1 Z61A4 STY ,X++
356 61A7 4A DECA
357 61AB 26 FA BNE Z61A4
358 61AA 86 20 LDA ##20
359 61AC 5A DECB
360 61AD 26 F5 BNE Z61A4
361 61AF 39 RTS
362
363 61B0 34 04 Z61B0 PSHS B
364 61B2 BE 40C0 Z61B2 LDX #Z40C0
365 61B5 E6 A0 LDB ,Y+
366 61B7 2A 04 BPL Z61BD

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$x \rightarrow y$ Versatz

Display Page 7/2

32 Byte ins Bibl Rom ab PF80

↓
mal 196

367	6189 30	89 0100		LEAX	%0100,X
368	618D A7	85	Z618D	STA	B,X
369	61BF 6A	E4		DEC	,B
370	61C1 26	EF		BNE	Z61B2
371	61C3 35	04		PULS	B
372	61C5 39			RTS	
373					
374	61C6 21 45 69 8D		Z61C6	FCB	%21,%45,%69,%8D,%B1,%20,%24,%44
	61CA B1 20 24 44				
375	61CE 48 6C 90 84			FCB	%48,%6C,%90,%84
376					
377	61D2 6E 9F 5B 2C		Z61D2	FCB	%6E,%9F,%5B,%2C
378					
379	61D6 6E 9F 5B 2E		Z61D6	FCB	%6E,%9F,%5B,%2E
380					
381	61DA B6	EA53	Z61DA	LDA	>LOOP
382	61DD B1	01		CMFA	##01
383	61DF 23	3F		BLS	Z6220
384	61E1 86	01		LDA	##01
385	61E3 87	EA2D		STA	>MERK1
386	61E6 FC	EA54		LDD	>LODFA
387	61E9 7D	EA5A		TST	>LOPKL
388	61EC 26	08		BNE	Z61F6
389	61EE 58			ASLB	
390	61EF 49			ROLA	
391	61F0 58			ASLB	
392	61F1 49			ROLA	
393	61F2 58			ASLB	
394	61F3 49			ROLA	
395	61F4 58			ASLB	
396	61F5 49			ROLA	
397	61F6 58		Z61F6	ASLB	
398	61F7 49			ROLA	
399	61F8 58			ASLB	
400	61F9 49			ROLA	
401	61FA 58			ASLB	
402	61FB 49			ROLA	
403	61FC 10B3 4000			CPMD	##4000
404	6200 25 03			BCS	Z6205
405	6202 CC 4000			LDD	##4000
406	6205 1F 01		Z6205	TFR	D,X
407	6207 10BE 4000			LDY	#TENDE
408	620B A6 B2		Z620B	LDA	,X
409	620D A7 A2			STA	,Y
410	620F 8C 0000			CMFX	##WAVBAG
411	6212 26 F7			BNE	Z620B
412	6214 1F 21			TFR	Y,X
413	6216 10BE 0000			LDY	##WAVBAG
414	621A BD 6460			JSR	>Z6460
415	621D 7E 60B1			JMP	>Z60B1
416					
417	6220 B6 01		Z6220	LDA	##01
418	6222 B7 EA53			STA	>LOOP
419	6225 BE 580E			LDX	>Z580E

→ Transmit

420	622B	0	8B 2C	LEAX	#2C, X
421	622B	10BE	5B0C	LDY	>25B0C
422	622F	AD	9F 5B12	JSR	[25B12]
423	6233	86	04	LDA	#04
424	6235	87	E900	STA	>2E900
425	6238	CC	0108	LDD	#0108
426	6238	6E	9F 5B34	JMP	[25B34]

Code
Female

428	623F	B0	6597	JSR	>Z6597
429	6242	F3	E4A1	ADDD	>NATANF
430	6245	1F	01	TFR	D,X
431	6247	108E	E420	LDY	#ZE420
432	624B	AD	9F 6B5E	JSR	[Z6B5B]
433	624F	AD	9F 6B62	JSR	[Z6B62]
434	6253	8E	E500	LDX	#ZE500
435	6256	108E	E190	LDY	#ZE190
436	625A	C6	20	LDB	#20
437	625C	6F	E2	CLR	,S
438	625E	A6	B0	LDA	,X
439	6260	A1	E4	CMPA	,S
440	6262	23	02	BLS	Z6266
441	6264	A7	E4	STA	,S
442	6266	30	01	LEAX	#01,X
443	626B	A7	A0	STA	,Y+

Analyse

7 FFT

+ June :

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— ans Page 3

465	6295	020F	16295	FDB	Z020F
466	6297	EA3A		FDB	MERK4
467	6299	0014		FDB	WAV14
468	629B	0100		FDB	Z0100
469	629D	021E	1629D	FDB	Z021E
470	629F	EA39		FDB	MERK3
471	62A1	0063		FDB	Z0063
472	62A3	0100		FDB	Z0100
473	62A5	7D EA53	162A5	TST	>L000


```

474 62AB 26 95      BNE  Z623F
475 62AA 7F 403E    CLR  >Z403E
476 62AD 7F 403F    CLR  >Z403F
477 62B0 8E 6295    LDX  #Z6295
478 62B3 AD 9F 5B16 JSR  [Z5B16]
479 62B7 8E 629D    LDX  #Z629D
480 62BA AD 9F 5B16 JSR  [Z5B16]
481 62BE B6 EA39    LDA  >MERK3

```

coole
INVERT
coole
INVERT

```

482 62C1 48        ASLA
483 62C2 34 02     FSHS  A
484 62C4 48        ASLA
485 62C5 AB E0     ADDA  ,B+
486 62C7 43        COMA
487 62C8 B7 FD08   STA  >ZFD08
488 62CB 86 DF     LDA  ##DF
489 62CD B7 FCFA   STA  >PIAA
490 62D0 B6 3C     LDA  ##3C
491 62D2 B7 FCFB   STA  >PIAB
492 62D5 8E 0000   LDX  #WAVBAS
493 62D8 F6 EA3A   LDB  >MERK4
494 62DB 26 17     BNE  Z62F6
495 62DD B6 FCFA   LDA  >PIAA
496 62E0 84 08     ANDA  ##08
497 62E2 27 38     BEQ  Z631C
498 62E4 B6 FD18   LDA  >ZFD18
499 62E7 B7 FD20   STA  >ZFD20
500 62EA A7 80     STA  ,X+
501 62EC 8C 4000   CMPX  #TENDE
502 62EF 26 EC     BNE  Z62DD
503 62F1 8E 0000   LDX  #WAVBAS
504 62F4 20 E7     BRA  Z62DD
505

```

} INIT Soft Keys

← Hält Aufnahme geschwindigkeit

Record 16KHZ

Recording verzögert

```

506 62F6 B6 FCFA   LDA  >PIAA
507 62F9 84 08     ANDA  ##08
508 62FB 27 1F     BEQ  Z631C
509 62FD B6 FD18   LDA  >ZFD18
510 6300 B7 FD20   STA  >ZFD20
511 6303 A7 80     STA  ,X+
512 6305 1F 9B     TFR  B,A
513 6307 5A        DECB  B,A
514 6308 27 06     BEQ  Z6310
515 630A 30 1F     LEAX  -#01,X
516 630C 30 01     LEAX  #01,X
517 630E 20 F7     BRA  Z6307
518

```

```

Z62F6 LDA >PIAA
      ANDA ##08
      BEQ Z631C
      LDA >ZFD18
      STA >ZFD20
      STA ,X+
      TFR B,A
      DECB B,A
      BEQ Z6310
      LEAX -#01,X
      LEAX #01,X
      BRA Z6307

```

→ Record ENDE

*Sette Zähler
Count down*

} Wait

```

Z6310 TFR A,B
      CMPX #TENDE
      BNE Z62F6
      LDX  #WAVBAS
      BRA  Z62F6

```

Reset Zähler

```

525 631C 1F 10     TFR  X,D
526 631E C3 2000   ADDD  ##2000
527 6321 10B3 4000 CMPD  ##4000

```

ENDE
Record

528	6325	23	03		BLS	Z632A
529	6327	83	4000		SUBD	#64000
530	632A	FD	EA41	Z632A	STD	>NATANF
531	632D	B6	01		LDA	#01
532	632F	B7	EA40		STA	>ZOOMER
533	6332	BD	2C		BSR	Z6360
534	6334	39			RTS	
535						
536	6335	BD	6597	Z6335	JSR	>Z6597
537	6338	F3	EA41		ADD	>NATANF
538	633B	FD	EA58		STD	>LOFANF
539	633E	FC	EA4B		LDD	>XPOS
540	6341	C3	0001		ADD	#0001
541	6344	FD	EA4B		STD	>XPOS
542	6347	BD	6603		JSR	>Z6603
543	634A	B6	02		LDA	#02
544	634C	B7	EA53		STA	>LODP
545	634F	BE	1770		LDX	#Z1770
546	6352	30	1F	Z6352	LEAX	-#01,X
547	6354	26	FC		BNE	Z6352
548	6356	39		Z6356	RTS	
549						
550	6357	B6	EA53	Z6357	LDA	>LODP
551	635A	B1	01		CMPA	#01
552	635C	27	D7		BEQ	Z6335
553	635E	22	F6		BHI	Z6356
554	6360	BD	6597	Z6360	JSR	>Z6597
555	6363	F3	EA41		ADD	>NATANF
556	6366	1F	01		TFR	D,X
557	6368	27	68		BEQ	Z63D2
558	636A	8C	0800		CMPX	#WX800
559	636D	25	38		BCS	Z63A7
560	636F	10BE	E220		LDY	#ZE220
561	6373	CE	0000		LDU	#WAVBAS
562	6376	A6	C0	Z6376	LDA	,U+
563	6378	A7	A0		STA	,Y+
564	637A	10BC	EA20		CMPY	#WELANF
565	637E	26	F6		BNE	Z6376
566	6380	BE	0000		LDX	#WAVBAS
567	6383	A6	C0	Z6383	LDA	,U+
568	6385	A7	B0		STA	,X+
569	6387	11B3	4000		CMPU	#TENDE
570	638B	26	F6		BNE	Z6383
571	638D	10BE	E220		LDY	#ZE220
572	6391	A6	A0	Z6391	LDA	,Y+
573	6393	A7	B0		STA	,X+
574	6395	10BC	EA20		CMPY	#WELANF
575	6399	26	F6		BNE	Z6391
576	639B	BE	EA41		LDX	>NATANF
577	639E	30	B9 F800		LEAX	#F800,X
578	63A2	BF	EA41		STX	>NATANF
579	63A5	20	B0		BRA	Z6357
580						
581	63A7	34	10	Z63A7	PSHS	X

Record ENDE
Setze Bild Parameter

```

582 63A9 108E E220      LDY    #ZE220
583 63AD CE 0000      LDU    #WAVBAS
584 63B0 A6 C0      Z63B0 LDA    ,U+
585 63B2 A7 A0      STA    ,Y+
586 63B4 30 1F      LEAX    -#01,X
587 63B6 26 FB      BNE    Z63B0
588 63B8 BE 0000      LDX    #WAVBAS
589 63BA A6 C0      Z63BB LDA    ,U+
590 63BD A7 B0      STA    ,X+
591 63BF 1183 4000      CMFPU #TENDE
592 63C3 26 F6      BNE    Z63BB
593 63C5 35 20      PULB   Y
594 63C7 CE E220      LDU    #ZE220
595 63CA A6 C0      Z63CA LDA    ,U+
596 63CC A7 B0      STA    ,X+
597 63CE 31 3F      LEAY    -#01,Y
598 63D0 26 FB      BNE    Z63CA
599 63D2 B6 01      Z63D2 LDA    #*01
600 63D4 B7 EA40      STA    >ZOOMER
601 63D7 BE 0100      LDX    #Z0100
602 63DA BF EA4B      STX    >XPDS
603 63DD BE 0000      LDX    #WAVBAS
604 63E0 BF EA41      STX    >NATANF
605 63E3 BD 65EB      JSR    >Z65EB
606 63E6 7F EA2D      CLR    >MERK1
607 63E9 B6 03      LDA    #*03
608 63EB BE 9F 6B5A      JMP    [Z6B5A]
609
610 63EF BE 00B0      Z63EF LDX    #Z00B0
611 63F2 7F EA5A      CLR    >LOPKL
612 63F5 B6 03      LDA    #*03
613 63F7 20 1C      BRA    Z6415
614
615 63F9 BD 6597      Z63F9 JSR    >Z6597
616 63FC F3 EA41      ADDD   >NATANF
617 63FF B3 EA5B      SUBD   >LOPANF
618 6402 FD EA54      STD    >LOOPA
619 6405 10B3 0200      CMFD   #*0200
620 6409 25 E4      BCS    Z63EF
621 640B B6 01      LDA    #*01
622 640D B7 EA5A      STA    >LOPKL
623 6410 BE 0B00      LDX    #WXB00
624 6413 B6 04      LDA    #*04
625 6415 BF EA56      Z6415 STX    >LOOPL
626 6418 B7 E900      STA    >ZE900
627 641B CC 0108      LDD    #*0108
628 641E AD 9F 5B34      JSR    [Z5B34]
629 6422 7F E900      CLR    >ZE900
630 6425 B6 03      LDA    #*03
631 6427 B7 E901      STA    >ZE901
632 642A B6 01      LDA    #*01
633 642C C6 09      LDB    #*09
634 642E AD 9F 5B34      JSR    [Z5B34]
635 6432 B6 FE      LDA    #*FE

```

Loop nur 1 Welle

Mem Address Loop Start

eine Welle

3 = 580 Byte 128 Position

4 = 5800 Byte 16 Wellen à 128 Positionen

Code für Loop Typ Übertragung

Mode 003 im Stack

Code für

Seide

```

636 6434 B7 FD02 STA >PIA+2
637 6437 B6 FD00 LDA >PIA
638 643A 7D FD01 Z643A TST >PIA+1
639 643D 2A FB REL Z643A
640 643F B6 FD00 LDA >PIA
641 6442 7F FD01 CLR >PIA+1
642 6445 B6 FF LDA #0FF
643 6447 B7 FD00 STA >PIA
644 644A B6 04 LDA #04
645 644C B7 FD01 STA >PIA+1
646 644F 10BC 0000 CMPY #WAVBAS
647 6453 26 01 BNE Z6456
648 6455 39 RTS
649
650 6456 10BE 0000 Z6456 LDY #WAVBAS
651 645A BE 0000 LDX #WAVBAS
652 645D 7F EA2D CLR >MERK1
653 6460 4F Z6460 CLRA
654 6461 34 02 PSHS A
655 6463 34 02 PSHS A
656 6465 A6 B4 LDA ,X
657 6467 20 4D BRA Z64B6

```

Wait

Reset

Einsprung nach Loop ^{Threshold} setzen!

```

658
659 6469 FC EA54 Z6469 LDD >LOOPA
660 646C E3 E4 ADD ,S
661 646E 10B3 EA56 Z646E CMPD >LOOPL
662 6472 25 07 BCS Z647B
663 6474 30 01 LEAX #01,X
664 6476 B3 EA56 SUBD >LOOPL
665 6479 20 F3 BRA Z646E
666
667 647B ED E4 Z647B STD ,S
668 647D 7D EA5A TST >LOPKL
669 6480 26 03 BNE Z6485
670 6482 58 ASLB
671 6483 20 06 BRA Z648B
672
673 6485 44 Z6485 LSRA
674 6486 56 RORB
675 6487 44 LSRA
676 6488 56 RORB
677 6489 44 LSRA
678 648A 56 RORB
679 648B 34 04 Z648B PSHS B
680 648D 7F EA31 CLR >MINUS
681 6490 A6 01 LDA #01,X
682 6492 A0 B4 SUBA ,X
683 6494 2A 04 BPL Z649A
684 6496 43 COMA
685 6497 7C EA31 INC >MINUS
686 649A 35 04 Z649A PULS B
687 649C 3D MUL
688 649D CE 00FF LDU #Z00FF
689 64A0 34 40 PSHS U

```



```

690 64A2 BD 6A0E JSR >Z6A0E
691 64A5 32 62 LEAS #02,S
692 64A7 34 02 PSHS A
693 64A9 A6 B4 LDA ,X
694 64AB 7D EA31 TST >MINUS
695 64AE 27 04 BEQ Z64B4
696 64B0 A0 E0 SUBA ,S+
697 64B2 20 02 BRA Z64B6
698
699 64B4 AB E0 ADDA ,S+
700 64B6 7D EA2D TST >MERK1
701 64B9 27 04 BEQ Z64BF
702 64BB A7 A4 STA ,Y
703 64BD 20 30 BRA Z64EF
704
705 64BF 7D EC8D TST >ZEC8D
706 64C2 27 1A BEQ Z64DE
707 64C4 5F CLR B
708 64C5 44 LSRA
709 64C6 56 RORB
710 64C7 44 LSRA
711 64C8 56 RORB
712 64C9 44 LSRA
713 64CA 56 RORB
714 64CB 44 LSRA
715 64CC 56 RORB
716 64CD F7 FD00 STB >PIA
717 64D0 8D 3C BSR Z650E
718 64D2 C6 34 LDB ##34
719 64D4 F7 FD03 STB >PIA+3
720 64D7 8D 35 BSR Z650E
721 64D9 C6 3C LDB ##3C
722 64DB F7 FD03 STB >PIA+3
723 64DE B7 FD00 STA >PIA
724 64E1 8D 2B BSR Z650E
725 64E3 C6 34 LDB ##34
726 64E5 F7 FD03 STB >PIA+3
727 64E8 8D 24 BSR Z650E
728 64EA C6 3C LDB ##3C
729 64EC F7 FD03 STB >PIA+3
730 64EF 31 21 LEAY #01,Y
731 64F1 108C 4000 CMPLY #TENDE
732 64F5 1026 FF70 LBNE Z6469
733 64F9 B6 FD00 LDA >PIA
734 64FC 7F FD01 CLR >PIA+1
735 64FF 7F FD00 CLR >PIA
736 6502 86 04 LDA ##04
737 6504 B7 FD01 STA >PIA+1
738 6507 86 FF LDA ##FF
739 6509 B7 FD02 STA >PIA+2
740 650C 32 62 LEAS #02,S
741 650E 39 ,Z650E RTS
742
743 650F B6 EA53 Z650F LDA >LDOP

```

Loop
Transfer
Transient

Cooline 8→12 Bit

Transmit LSB Accu B

Transmit MSB Accu A

Reset Pion

744	6512	27	0B		BEQ	Z651F	
745	6514	B1	02		CMFA	##02	
746	6516	26	F6		BNE	Z650E	
747	6518	10BE	000A		LDY	#Z000A	
748	651C	16	FEDA		LBRA	Z63F9	
749							
750	>651F	BD	6597	Z651F	JSR	>Z6597	
751	6522	F3	EA41		ADDD	>NATANF	
752	6525	1F	01		TFR	D,X	
753	6527	B6	80		LDA	##80	
754	6529	A7	80	Z6529	STA	,X+	
755	652B	8C	4000		CMFX	#TENDE	
756	652E	26	F9		BNE	Z6529	
757	6530	16	FE9F		LBRA	Z63D2	
758							
759	6533	B6	EA40	Z6533	LDA	>ZOOMER	
760	6536	B1	01		CMFA	##01	
761	6538	27	0D		BEQ	Z6547	
762	653A	4A			DECA		
763	653B	20	0A		BRA	Z6547	
764							
765	653D	B6	EA40	Z653D	LDA	>ZOOMER	
766	6540	4C			INCA		
767	6541	B1	06		CMFA	##06	
768	6543	23	02		BLS	Z6547	
769	6545	B6	06		LDA	##06	
770	6547	B7	EA40	Z6547	STA	>ZOOMER	
771	654A	B6	03		LDA	##03	
772	654C	C6	12		LDB	##12	
773	654E	AD	9F 5826		JSR	[Z5826]	
774	6552	B6	EA40		LDA	>ZOOMER	
775	6555	B8	30		ADDA	##30	
776	6557	AD	9F 5832		JSR	[Z5832]	
777	655B	CC	0100		LDD	##0100	
778	655E	FD	EA4B		STD	>XPDS	
779	>6561	BD	6597		JSR	>Z6597	
780	6564	34	06		PSHS	B,A	
781	6566	FC	EA43		LDD	>PERZ	
782	6569	A3	E1		SUBD	,S++	
783	656B	24	03		BCC	Z6570	
784	656D	C3	4000		ADDD	##4000	
785	6570	FD	EA41	Z6570	STD	>NATANF	
786	>6573	7E	65EB		JMP	>Z65EB	
787							
788	6576	C6	40		Z6576	LDB	##40
789	657B	54			Z657B	LSRB	
790	6579	4A				DECA	
791	657A	26	FC		BNE	Z6578	
792	657C	CE	E220		LDU	#ZE220	
793	657F	10BE	0200		LDY	#Z0200	
794	6583	A6	84	Z6583	LDA	,X	
795	6585	BC	4000		CMFX	#TENDE	
796	6588	2B	04		BMI	Z658E	
797	658A	30	B9 C000		LEAX	#C000,X	

798	658E	A7	C0	Z658E	STA	,U+
799	6590	30	B5		LEAX	B,X
800	6592	31	3F		LEAY	-#01,Y
801	6594	26	ED		BNE	Z6583
802	6596	39			RTS	
803						
804	6597	FC	EA4B	Z6597	LDD	>XPOS
805	659A	34	10		PSHS	X
806	659C	1F	01		TFR	D,X
807	659E	B6	07		LDA	##07
808	65A0	B0	EA40		SUBA	>ZOOMER
809	65A3	34	02		PSHS	A
810	65A5	1F	10		TFR	X,D
811	65A7	6A	E4	Z65A7	DEC	,B
812	65A9	27	04		BEQ	Z65AF
813	65AB	58			ASLB	
814	65AC	49			ROLA	
815	65AD	20	F8		BRA	Z65A7
816						
817	65AF	32	61	Z65AF	LEAS	#01,S
818	65B1	35	90		PULS	PC,X
819						
820	65B3	B6	04	Z65B3	LDA	##04
821	65B5	C6	12		LDB	##12
822	65B7	AD	9F 5824		JSR	[Z5824]
823	>65B8	B0	6597		JSR	>Z6597
824	65BE	F3	EA41		ADDD	>NATANF
825	65C1	10B3	4000		CMPS	##4000
826	65C5	28	03		BMI	Z65CA
827	65C7	B3	4000		SUBD	##4000
828	65CA	FD	EA43	Z65CA	STD	>PERZ
829	65CD	1E	B9		EXG	A,B
830	65CF	48			ASLA	
831	65D0	59			ROLB	
832	65D1	AD	9F 581E		JSR	[Z581E]
833	65D5	B6	3B		LDA	##3B
834	65D7	AD	9F 5832		JSR	[Z5832]
835	65DB	F6	EA44		LDB	>PUNKTZ
836	65DE	C1	B0		CMPS	##B0
837	65E0	25	02		BCS	Z65E4
838	65E2	C0	B0		SUBB	##B0
839	65E4	6E	9F 581E	Z65E4	JMP	[Z581E]
840						
841	65EB	BD	C9	Z65EB	BSR	Z65B3
842	65EA	B6	EA40		LDA	>ZOOMER
843	65ED	BE	EA41		LDX	>NATANF
844	65F0	BD	B4		BSR	Z6576
845	65F2	BD	6199		JSR	>Z6199
846	65F5	CE	0200		LDU	#20200
847	65F8	AD	9F 6852		JSR	[Z6852]
848	65FC	8E	E220		LDX	#ZE220
849	65FF	AD	9F 685C		JSR	[Z685C]
850	6603	BE	EA4B	Z6603	LDX	>XPOS
851	6606	C6	B9		LDB	##B9

906	6671	A6	B4		LDA	,X
907	6673	B4	EA2D		ANDA	>MERK1
908	6676	73	EA2D		COM	>MERK1
909	6679	20	05		BRA	Z66B0
910						
911	667B	A6	B4	Z667B	LDA	,X
912	667D	BA	EA2D		ORA	>MERK1
913	66B0	A7	B4	Z66B0	STA	,X
914	66B2	39			RTS	
915						
916	66B3	BD	20	Z66B3	BSR	Z66A5
917	66B5	BD	0D		BSR	Z6694
918	66B7	BD	67B0	Z66B7	JSR	>Z67B0
919	66BA	7D	EA49		TST	>ALTZ
920	66BD	27	04		BEQ	Z6693
921	66BF	BD	14		BSR	Z66A5
922	6691	20	F4		BRA	Z66B7
923						
924	6693	39		Z6693	RTS	
925						
926	6694	10BE	0320	Z6694	LDY	#Z0320
927	6698	BD	67B0	Z6698	JSR	>Z67B0
928	669B	7D	EA49		TST	>ALTZ
929	669E	27	04		BEQ	Z66A4
930	66A0	31	3F		LEAY	-#01,Y
931	66A2	26	F4		BNE	Z6698
932	66A4	39		Z66A4	RTS	
933						
934	66A5	BD	6603	Z66A5	JSR	>Z6603
935	66A8	BE	EA4B		LDX	>XPOS
936	66AB	30	01		LEAX	#01,X
937	66AD	8C	0200		CMPL	#Z0200
938	66B0	27	1A		BEQ	Z66CC
939	66B2	BF	EA4B	Z66B2	STX	>XPOS
940	66B5	BD	6603		JSR	>Z6603
941	66B8	FC	EA43		LDD	>PERZ
942	66BB	59			ROLB	
943	66BC	49			ROLA	
944	66BD	80	03		SUBA	#*03
945	66BF	B7	E900		STA	>ZE900
946	66C2	CC	000C		LDD	#*000C
947	66C5	AD	9F 5B34		JSR	[Z5B34]
948	66C9	16	FEE7		LBRA	Z65B3
949						
950	66CC	CC	0100	Z66CC	LDD	#*0100
951	66CF	FD	EA4B		STD	>XPOS
952	66D2	BD	6597		JSR	>Z6597
953	66D5	F3	EA41		ADDD	>NATANF
954	66D8	10B3	4000		CMPL	#*4000
955	66DC	2B	03		BMI	Z66E1
956	66DE	83	4000		SUBD	#*4000
957	66E1	FD	EA41	Z66E1	STD	>NATANF
958	66E4	7E	65E8		JMP	>Z65E8
959						

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ALTZ	00074	00919	00928	00963	00989	01008	01027	01047
AMPLL	00066	00212						
ECHO	00063	00252						
FILE	00089	00255						
FUNDAM	00067	00459						
HALFTE	00073	00249	01081	01099	01389			
HARMN	00057	00199	01218	01237	01257	01260	01263	
INESC	00092	00251						
INFENB	00091	00254						
INPW	00090	00203						
INVFLG	00097	00250						
JMPTAB	00148	00328						
KEY	00081	01209	01221	01266	01269			
LOOP	00083	00253	00381	00418	00473	00544	00550	00743
LODPA	00084	00386	00618	00659				
LODPL	00085	00625	00661	00664				
LOPANF	00086	00538	00617					
LOPKL	00087	00387	00611	00622	00668			
MERK1	00058	00291	00385	00606	00652	00700	00879	00894
	00901	00903	00905					
	00907	00908	00912					
MERK2	00059	01158	01161	01166				
MERK3	00064	00470	00481					
MERK4	00065	00466	00493					
MINUS	00060	00680	00685	00694	01063	01069	01102	
NATANF	00070	00241	00429	00530	00537	00555	00576	00578
	00604	00616	00751					
	00785	00824	00843	00953	00957	00980		
NULAGE	00056	00243	00264	00317	01138			
PAGEM	00068	00205	00258	00268	00287	00461	01172	
PDATA1	00098	01195						
PERZ	00071	00781	00828	00941				
PFLG	00088	00201						
PIA	00101	00636	00637	00638	00640	00641	00643	00645
	00716	00719	00722					
	00723	00726	00729	00733	00734	00735	00737	00739
PIAA	00099	00489	00495	00506				
PIAB	00100	00491						
PUNKTZ	00072	00835						
SOFKEY	00096	01061						
TENDE	00024	00293	00407	00501	00520	00569	00591	00731
	00755	00795	01168					
VLAGB	00061	00244	00262	00312				
WALEND	00055	00337	00342					
WAV14	00010	00467						
WAVBAS	00005	00144	00240	00311	00353	00410	00413	00492
	00503	00522	00561					
	00566	00583	00588	00603	00646	00650	00651	01101
	01115	01130	01152					
	01182	01309						
WAVN	00082	01211	01270					
WELANF	00054	00564	00574					
WXBOO	00022	00558	00623					
WXORME	00062	01073	01109	01112	01124	01127		
XPOA	00078	00326	01038	01072	01097	01143		
XPOS	00075	00246	00322	00338	00340	00539	00541	00602
	00778	00804	00850					
	00867	00869	00871	00873	00876	00935	00939	00951
	00971	00977	01016					
	01021	01035	01041	01070	01133	01141	01288	
YPOA	00080	00325	01080	01082	01144			
YPOS	00077	00321	00336	00852	00854	00861	00863	00889
	00997	01002	01053					
	01058	01076	01148	01175	01337			
Z0009	00006	01279						
Z000A	00007	00261	00747	01308				
Z000B	00008	01280						
Z000E	00009	01281						
Z0063	00011	00471						
Z0064	00012	01307						
Z0080	00013	00610						

Z00EB	00014	01306			
Z00FF	00015	00688			
Z0100	00016	00245	00265	00468	00472 00601
Z01FD	00017	01018			
Z0200	00018	00314	00793	00846	00937 01181
Z020F	00019	00465			
Z021E	00020	00469			
Z0320	00021	00926			
Z1770	00023	00545			
Z403E	00025	00475			
Z403F	00026	00476			
Z4040	00113	00221			
Z40C0	00130	00193	00364		
Z4128	00131	00216			
Z414C	00132	00218			
Z4170	00133	00220			
Z4174	00134	00191			
Z580C	00146	00285	00421		
Z580E	00147	00279	00419		
Z5812	00149	00286	00422		
Z5816	00150	00478	00480		
Z581A	00151	01198			
Z581E	00152	00832	00839	01340	
Z5824	00153	00822	01193		
Z5826	00154	00773	01317	01336	
Z5830	00155	01196	01201	01203	
Z5832	00156	00257	00776	00834	01326 01332
Z5834	00157	00303	00426	00828	00834 00842 00847
Z6000	00188	01403			
Z6005	00191	00188			
Z6008	00192	00194			
Z6012	00196	00198			
Z605D	00224	00228			
Z6074	00233	00235			
Z6081	00240	00142	00415	01173	
Z6095	00247	00143			
Z6097	00249	00141			
Z609A	00250	00140	00189	00247	00463 01189
Z60CD	00267	00260			
Z60DF	00274	00270			
Z60EB	00279	00275			
Z60EE	00280	00283			
Z60F5	00285	00281			
Z6137	00309	00289			
Z616B	00328	00307	00310		
Z616F	00330	00296	00300	00333	
Z6177	00336	00315	01183		
Z617D	00338	00343			
Z618E	00346	00272			
Z6199	00351	00845	01179		
Z61A4	00355	00357	00360		
Z61B0	00363	00210	00214		
Z61B2	00364	00370			
Z61BD	00368	00366			
Z61C6	00374	00209			
Z61D2	00377	00171	00181		
Z61D6	00379	00172	00182		
Z61DA	00381	00169			
Z61F6	00397	00388			
Z6205	00406	00404			
Z620B	00408	00411			
Z6220	00417	00383			
Z623F	00428	00474			
Z625E	00438	00445			

Z6621	00866	00860	00862
Z6638	00876	00339	00853 00866 00870
Z6660	00898	00900	
Z667B	00911	00904	
Z6680	00913	00909	
Z6683	00916	00165	
Z6687	00918	00922	
Z6693	00924	00920	
Z6694	00926	00917	00961 00987 01006 01025 01045
Z6698	00927	00931	
Z66A4	00932	00929	
Z66A5	00934	00916	00921
Z66B2	00939	00974	
Z66CC	00950	00938	
Z66E1	00957	00955	00982 00984
Z66E7	00960	00164	
Z66EB	00962	00966	
Z66F7	00968	00964	
Z66FB	00970	00960	00965
Z6704	00976	00972	
Z671B	00986	00173	
Z6720	00988	00992	
Z672C	00994	00990	
Z672D	00996	00986	00991
Z6739	01002	01000	
Z673F	01005	00175	
Z6744	01007	01011	
Z6750	01013	01009	
Z6751	01015	01005	01010
Z6760	01021	01019	
Z6766	01024	00174	
Z676B	01026	01030	
Z6776	01032	01028	01048
Z6777	01034	01024	01029
Z6788	01041	01036	01039
Z678E	01044	00176	
Z6793	01046	01050	
Z679E	01052	01044	01049
Z67AA	01058	01056	
Z67B0	01061	00918	00927 00962 00988 01007 01026 01046
Z67B4	01063	01085	
Z67BF	01069	00177	
Z67EB	01087	01067	
Z67EE	01089	01093	
Z67F9	01095	01090	
Z6811	01104	01116	
Z6826	01113	01110	
Z6832	01119	01103	01131
Z6847	01128	01125	
Z6851	01132	01117	
Z6853	01133	01177	
Z687B	01151	00179	
Z6884	01154	01160	
Z688E	01159	01169	
Z68AF	01175	01071	
Z68E7	01179	01135	
Z68C5	01185	00178	
Z68CB	01186	01188	
Z68D2	01191	00180	
Z68F1	01203	01200	
Z6904	01211	01273	
Z691B	01219	01265	
Z692E	01229	01233	
Z6937	01235	01230	
Z696B	01260	01277	
Z697E	01269	01267	
Z698E	01276	01244	01248 01252
Z6991	01279	01226	
Z6997	01282	00324	01003 01022 01042 01059

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7	0000	WAVBAS	EGU	\$0000
8	0009	Z0009	EGU	\$0009
9	000A	Z000A	EGU	\$000A
10	000B	Z000B	EGU	\$000B
11	000E	Z000E	EGU	\$000E
12	0014	WAV14	EGU	\$0014
13	0063	Z0063	EGU	\$0063
14	0064	Z0064	EGU	\$0064
15	00EB	Z00EB	EGU	\$00EB
16	0100	Z0100	EGU	\$0100
17	01FD	Z01FD	EGU	\$01FD
18	0200	Z0200	EGU	\$0200
19	020F	Z020F	EGU	\$020F
20	021E	Z021E	EGU	\$021E
21	0320	Z0320	EGU	\$0320
22	4000	TENDE	EGU	\$4000
23				
24		* *****		
25	4040	ORG		\$4040
26		* *****		
27				
28	4040 03 09 10 16	Z4040	FCB	\$03, \$09, \$10, \$16, \$1C, \$22, \$28, \$2E
	4044 1C 22 28 2E			
29	404B 33 39 3F 44		FCB	\$33, \$39, \$3F, \$44, \$49, \$4E, \$53, \$5B
	404C 49 4E 53 5B			
30	4050 5C 60 64 68		FCB	\$5C, \$60, \$64, \$68, \$6F, \$71, \$74
	4054 6B 6F 71 74			
31	405B 76 79 7A 7C		FCB	\$76, \$79, \$7A, \$7C, \$7D, \$7E, \$7F, \$7F
	405C 7D 7E 7F 7F			
32	4060 7F 7F 7E 7D		FCB	\$7F, \$7F, \$7E, \$7D, \$7C, \$7A, \$79, \$76
	4064 7C 7A 79 76			
33	406B 74 71 6F 6B		FCB	\$74, \$71, \$6F, \$6B, \$68, \$64, \$60, \$5C
	406C 6B 64 60 5C			
34	4070 5B 53 4E 49		FCB	\$5B, \$53, \$4E, \$49, \$44, \$3F, \$39, \$33
	4074 44 3F 39 33			
35	407B 2E 2B 22 1C		FCB	\$2E, \$2B, \$22, \$1C, \$16, \$10, \$09, \$03
	407C 16 10 09 03			
36	4080 FD F7 F0 EA		FCB	\$FD, \$F7, \$F0, \$EA, \$E4, \$DE, \$DB, \$D2
	4084 E4 DE D8 D2			
37	408B CD C7 C1 BC		FCB	\$CD, \$C7, \$C1, \$BC, \$B7, \$B2, \$AD, \$AB
	408C B7 B2 AD AB			
38	4090 A4 A0 9C 9B		FCB	\$A4, \$A0, \$9C, \$9B, \$95, \$91, \$8F, \$8C
	4094 95 91 8F BC			
39	409B 8A 87 B6 B4		FCB	\$8A, \$87, \$86, \$84, \$83, \$82, \$81, \$81
	409C 83 82 81 81			
40	40A0 B1 81 B2 B3		FCB	\$B1, \$B1, \$B2, \$B3, \$B4, \$B6, \$B7, \$BA
	40A4 B4 B6 87 BA			
41	40AB BC 8F 91 95		FCB	\$BC, \$8F, \$91, \$95, \$9B, \$9C, \$A0, \$A4
	40AC 9B 9C A0 A4			
42	40B0 AB AD B2 B7		FCB	\$AB, \$AD, \$B2, \$B7, \$BC, \$C1, \$C7, \$CD
	40B4 BC C1 C7 CD			
43	40B8 D2 DB DE E4		FCB	\$D2, \$DB, \$DE, \$E4, \$EA, \$FO, \$F7, \$FD

259	60E9 35	04		PULS	B
260	60EB BE	5B0E	Z60EB	LDX	>Z5B0E
261	60EE 5A		Z60EE	DECB	
262	60EF 27	04		BEG	Z60F5
263	60F1 30	08		LEAX	#0B,X
264	60F3 20	F9		BRA	Z60EE
265					
266	60F5 10BE	5B0C	Z60F5	LDY	>Z5B0C
267	60F9 AD	9F 5B12		JSR	[TASBE]
268	60FD F6	EA3D		LDB	>PAGEH
269	6100 C1	03		CMPE	##03
270	6102 26	33		BNE	Z6137
271	6104 86	03		LDA	##03
272	6106 7F	EA2D		CLR	>MERK1
273	6109 AD	9F 6B5A		JSR	[Z6B5AJ
274	610D BE	4000		LDX	#TENDE
275	6110 10BE	E900		LDY	#ZE900
276	6114 C6	40		LDB	##40
277	6116 8D	57		BSR	Z616F
278	6118 BE	E939		LDX	#ZE939
279	611B 10BE	C0B5		LDY	#ZC0B5
280	611F C6	03		LDB	##03
281	6121 8D	4C		BSR	Z616F
282	6123 7F	E950		CLR	>ZE950
283	6126 CC	0305		LDD	##0305
284	6129 AD	9F 5B34		JSR	[SENDE]
285	612D 86	01		LDA	##01
286	612F B7	EA40		STA	>ZOOMER
287	6132 BD	62BD		JSR	>Z62BD
288	6135 20	34		BRA	Z616B
289					
290	6137 C1	04	Z6137	CMPE	##04
291	6139 26	30		BNE	Z616B
292	613B BE	0000		LDX	##WAVBAS
293	613E 8F	EA32		STX	>VLAGE
294	6141 C6	C7		LDB	##C7
295	6143 CE	0200		LDU	#Z0200
296	6146 8D	2F		BSR	Z6177
297	6148 86	3B		LDA	##3B
298	614A B7	EA29		STA	>NULAGE
299	614D BE	E220		LDX	#ZE220
300	6150 AD	9F 6B5C		JSR	[Z6B5C]
301	6154 86	96		LDA	##96
302	6156 B7	EA4D		STA	>YPOS
303	6159 7F	EA4B		CLR	>XPOS
304	615C 7F	EA4C		CLR	>ZEA4C
305	615F BD	6673		JSR	>Z6673
306	6162 7F	EA50		CLR	>YPOA
307	6165 7F	EA4E		CLR	>XPOA
308	6168 7F	EA4F		CLR	>ZEA4F
309	616B 6E	9F 5B10	Z616B	JMP	[INITAS]
310					
311	616F A6	80	Z616F	LDA	,X+
312	6171 A7	A0		STA	,Y+

366	61E2	021E		FDB	Z021E
367	61E4	EA39		FDB	MERK3
368	61E6	0063		FDB	Z0063
369	61E8	0100		FDB	Z0100
370					
371	61EA	39	Z61EA	RTS	
372					
373	61EB	39	Z61EB	RTS	
374					
375	61EC	B6 01	Z61EC	LDA	##01
376	61EE	8D 06		BSR	Z61F6
377	61F0	39		RTS	
378					
379	61F1	B6 00	Z61F1	LDA	##00
380	61F3	8D 01		BSR	Z61F6
381	61F5	39		RTS	
382					
383	61F6	BA 80	Z61F6	DRA	##80
384	61FB	B7 E900		STA	>ZE900
385	61FB	B6 60		LDA	##60
386	61FD	B7 EA3E		STA	>UNIT
387	6200	CC 001A		LDD	##001A
388	6203	AD 9F 5834		JSR	[SENDE]
389	6207	39		RTS	
390					
391	6208	B6 EA40	Z6208	LDA	>ZOOMER
392	620B	B1 01		CMFA	##01
393	620D	27 0D		BEQ	Z621C
394	620F	4A		DECA	
395	6210	20 0A		BRA	Z621C
396					
397	6212	B6 EA40	Z6212	LDA	>ZOOMER
398	6215	4C		INCA	
399	6216	B1 06		CMFA	##06
400	6218	23 02		BLS	Z621C
401	621A	B6 06		LDA	##06
402	621C	B7 EA40	Z621C	STA	>ZOOMER
403	621F	B6 03		LDA	##03
404	6221	C6 12		LDB	##12
405	6223	AD 9F 5826		JSR	[INFOS1]
406	6227	B6 EA40		LDA	>ZOOMER
407	622A	B8 30		ADDA	##30
408	622C	AD 9F 5832		JSR	[OUTCX]
409	6230	CC 0100		LDD	##0100
410	6233	FD EA4B		STD	>XPOS
411	>6236	BD 626C		JSR	>Z626C
412	6239	34 06		PSHS	B,A
413	623B	FC EA43		LDD	>PERZ
414	623E	A3 E1		SUBD	,B++
415	6240	24 03		BCC	Z6245
416	6242	C3 4000		ADDD	##4000
417	6245	FD EA41	Z6245	STD	>NATANF
418	>6248	7E 62BD		JMP	>Z62BD
419					

582	63A1 AD	9F 5834		JSR	[SENDEL]
583	63A5 16	FEE0		LBRA	Z6288
584					
585	63AB CC	0100	Z63AB	LDD	##0100
586	63AB FD	EA4B		STD	>XPOS
587	63AE BD	626C		JSR	>Z626C
588	63B1 F3	EA41		ADDD	>NATANF
589	63B4 10B3	4000		CMPD	##4000
590	63B8 2B	03		BMI	Z63BD
591	63BA B3	4000		SUBD	##4000
592	63BD FD	EA41	Z63BD	STD	>NATANF
593	63C0 7E	62BD		JMP	>Z62BD
594					
595	63C3 BD	0F	Z63C3	BSR	Z63D4
596	63C5 BD	A2		BSR	Z6369
597	63C7 BD	64BC	Z63C7	JSR	>Z64BC
598	63CA 7D	EA49		TST	>ALTZ
599	63CD 27	04		BEQ	Z63D3
600	63CF BD	03		BSR	Z63D4
601	63D1 20	F4		BRA	Z63C7
602					
603	63D3 39		Z63D3	RTS	
604					
605	63D4 17	FF01	Z63D4	LBRSR	Z62DB
606	63D7 BE	EA4B		LDX	>XPOS
607	63DA 27	04		BEQ	Z63E0
608	63DC 30	1F		LEAX	-#01,X
609	63DE 20	A7		BRA	Z6387
610					
611	63E0 CC	0100	Z63E0	LDD	##0100
612	63E3 FD	EA4B		STD	>XPOS
613	63E6 BD	626C		JSR	>Z626C
614	63E9 34	06		PSHS	B,A
615	63EB FC	EA41		LDD	>NATANF
616	63EE A3	E1		SUBD	,S++
617	63F0 24	CB		BCC	Z63BD
618	63F2 C3	4000		ADDD	##4000
619	63F5 20	C6		BRA	Z63BD
620					
621	63F7 BD	10	Z63F7	BSR	Z6409
622	63F9 17	FF6D		LBRSR	Z6369
623	63FC BD	64BC	Z63FC	JSR	>Z64BC
624	63FF 7D	EA49		TST	>ALTZ
625	6402 27	04		BEQ	Z640B
626	6404 BD	03		BSR	Z6409
627	6406 20	F4		BRA	Z63FC
628					
629	640B 39		Z640B	RTS	
630					
631	6409 BD	62EB	Z6409	JSR	>Z62EB
632	640C F6	EA4D		LDB	>YPOS
633	640F 5A			DECB	
634	6410 C1	4B		CMPB	##4B
635	6412 26	01		BNE	Z6415

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Wavetenn

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ALTZ	00143	00551	00560	00598	00624	00643	00662	00682
AMPLL	00135	00193						
ECHO	00132	00233						
EINGAB	00069	00358						
FILE	00155	00236						
HALFTE	00142	00230	00716	00734	01024			
HARMN	00126	00180	00853	00872	00892	00895	00898	
INDZC	00065	00833						
INESC	00158	00232						
INITAS	00063	00309						
INPENB	00157	00235						
INPOS1	00068	00405	00952	00971				
INPW	00156	00184						
INVCH	00071	00831	00836	00838				
INVFLG	00162	00231						
KEY	00150	00844	00856	00901	00904			
KEYOUT	00070	00360						
LOOP	00152	00234						
MERK1	00127	00272	00511	00526	00533	00535	00537	00539
MERK2	00128	00793	00796	00801				
MERK3	00133	00367						
MERK4	00134	00363						
MINUS	00129	00698	00704	00737				
NATANF	00139	00222	00417	00456	00475	00588	00592	00615
NULAGE	00125	00224	00245	00298	00773			
OUTCX	00072	00238	00408	00466	00961	00967		
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58	C2E1	27	02		BEG	ZC2E5
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62	C2EA	5A			DECB	
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70	C2FD	6E	95		JMP	[B,X]
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73	C303	8D	C4AC		JSR	>ZC4AC
74	C306	34	20		PSHS	Y
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79	C314	AD	9F 5832		JSR	[OUTCX]
80	C318	AD	9F 5830		JSR	[INVCH]
81	C31C	8E	C2D0		LDX	#ZC2D0
82	C31F	AD	9F 5836		JSR	[INBUF]
83	C323	B6	EA2E		LDA	>MERK2
84	C326	A7	A0		STA	,Y+
85	C328	35	40		PULS	U
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88	C330	AD	9F 5838		JSR	[INB2]
89	C334	1F	31		TFR	U,X
90	C336	B6	20		LDA	##20
91	C338	A7	A0		STA	,Y+
92	C33A	30	16		LEAX	-\$0A,X
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94	C33E	81	46		CMFA	##46
95	C340	26	70		BNE	ZC352
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106	C35E	27	02		BEG	ZC362
107	C360	30	1F		LEAX	-\$01,X
108	C362	34	10	ZC362	PSHS	X
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"F"

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112 C36C A7 B0 STA ,X+
113 C36E 11A3 E4 CMPL ,S
114 C371 26 F7 BNE ZC36A
115 C373 B6 FF LDA ##FF
116 C375 A7 B4 STA ,X
117 C377 32 62 LEAS #02,S
118 C379 34 10 PSHS X
119 C37B 30 B9 D7FE LEAX #D7FE,X
120 C37F BF 2800 STX >Z2800
121 C382 8E C3AC LDY #ZC3AC
122 C385 AD 9F 5838 JSR [INB2]
123 C389 A6 E4 LDA ,S
124 C38B 17 010F LBSR ZC49D
125 C38E A7 A0 STA ,Y+
126 C390 A6 E0 LDA ,S+
127 C392 17 010C LBSR ZC4A1
128 C395 A7 A0 STA ,Y+
129 C397 A6 E4 LDA ,S
130 C399 17 0101 LBSR ZC49D
131 C39C A7 A0 STA ,Y+
132 C39E A6 E0 LDA ,S+
133 C3A0 17 00FE LBSR ZC4A1
134 C3A3 A7 A0 STA ,Y+
135 C3A5 AD 9F 583A JSR [DOS]
136 C3A9 32 62 LEAS #02,S
137 C3AB 39 RTS

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138
139 C3AC 32 38 30 30 ZC3AC FCC "2800 "
140 C3B0 20
141 C3B1 04 FCB #04

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142 C3B2 AD 9F 5838 ZC3B2 JSR [INB2]
143 C3B6 34 20 PSHS Y
144 C3B8 B6 EA2E LDA >MERK2
145 C3BB 81 44 CMPL ##44
146 C3BD 26 0A BNE ZC3C9
147 C3BF CC 0D00 LDD ##0D00
148 C3C2 AD 9F 5834 JSR [SENDE]
149 C3C6 16 00C1 LBRA ZC48A

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150
151 C3C9 81 55 ZC3C9 CMPL ##55
152 C3CB 26 3D BNE ZC40A
153 C3CD B6 EA3E LDA >UNIT
154 C3D0 81 40 CMPL ##40
155 C3D2 24 34 BCC ZC40B
156 C3D4 B6 0B LDA ##0B
157 C3D6 34 02 PSHS A
158 C3D8 6A E4 ZC3D8 DEC ,S
159 C3DA A6 E4 LDA ,S
160 C3DC B7 E900 STA >ZE900
161 C3DF 86 2E LDA ##2E
162 C3E1 BD F01B JSR >DUTCH
163 C3E4 CC 0014 LDD ##0014
164 C3E7 AD 9F 5834 JSR [SENDE]

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165	C3E8	CC	0B05		LDD	#B0B05
166	C3EE	AD	9F 5834		JSR	[SENDE1]
167	C3F2	BE	E900		LDX	#ZE900
168	C3F5	A6	E4		LDA	,S
169	C3F7	C6	40		LDB	#40
170	C3F9	3D			MUL	
171	C3FA	1F	02		TFR	D,Y
172	C3FC	BD	C493		JSR	>ZC493
173	C3FF	6D	E4		TST	,S
174	C401	26	D5		BNE	ZC3DB
175	C403	32	61		LEAS	#01,S
176	C405	16	00B2		LBRA	ZC4BA
177						
178	C408	35	A0	ZC408	PULS	PC,Y
179						
180	C40A	81	4B	ZC40A	CMFA	#4B "K"
181	C40C	26	18		BNE	<u>ZC426</u>
182	C40E	B6	EA3E		LDA	>UNIT
183	C411	34	02		PSHS	A
184	C413	B6	40		LDA	#40
185	C415	B7	EA3E		STA	>UNIT
186	C418	CC	0D03		LDD	#D0D03
187	C41B	AD	9F 5834		JSR	[SENDE1]
188	C41F	35	02		PULS	A
189	C421	B7	EA3E		STA	>UNIT
190	C424	20	64		BRA	ZC4BA
191						
192	C426	B1	54	<u>ZC426</u>	CMFA	#54 "T"
193	C428	27	04		BEQ	ZC42E
194	C42A	B1	43		CMFA	#43 "C"
195	C42C	26	2D		BNE	ZC45B
196	C42E	B6	0B	<u>ZC42E</u>	LDA	#0B
197	C430	C6	05		LDB	#05
198	C432	AD	9F 5834		JSR	[SENDE1]
199	C436	8E	E900		LDX	#ZE900
200	C439	10BE	4000		LDY	#TENDE
201	C43D	8D	54		BSR	ZC493
202	C43F	B6	EA2E		LDA	>MERK2
203	C442	B1	54		CMFA	#54 "T"
204	C444	27	05		BEQ	<u>ZC44B</u>
205	C446	7F	E93B		CLR	>ZE93B
206	C449	20	3F		BRA	ZC4BA
207						
208	C44B	B6	EA71	<u>ZC44B</u>	LDA	>EA71
209	C44E	B1	5A		CMFA	#5A "Z"
210	C450	27	04		BEQ	ZC45B
211	C452	B1	5B		CMFA	#5B "X"
212	C454	26	34		BNE	ZC4BA
213	C456	B7	C0B5	ZC456	STA	>ZC0B5
214	C459	20	2F		BRA	ZC4BA
215						
216	C45B	B1	45	ZC45B	CMFA	#45 "E"
217	C45D	26	12		BNE	ZC471
218	C45F	8E	E060		LDX	#ZE060

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219	C462	108E	4000		LDY	#TENDE
220	C466	8D	2B		BSR	ZC493
221	C468	8E	E0A0		LDX	#ZE0A0
222	C46B	C6	2C		LDB	##2C
223	C46D	8D	26		BSR	ZC495
224	C46F	20	19		BRA	ZC48A
225						
226	C471	B1	46	ZC471	CMPA	##46 (F)
227	C473	26	15		BNE	ZC48A
228	C475	7F	EB0C		CLR	>STOR1
229	C47B	8E	EB0D		LDX	>STOR2
230	C47B	86	FF		LDA	##FF
231	C47D	A7	1E		STA	~#02,X
232	C47F	86	05		LDA	##05
233	C481	A7	88 EF		STA	~#11,X
234	C484	A7	1C		STA	~#04,X
235	C486	86	03		LDA	##03
236	C488	A7	1D		STA	~#03,X
237	C48A	35	20	ZC48A	PULS	Y
238	C48C	AD	9F 583A		JSR	[DOS]
239	C490	32	62		LEAS	#02,S
240	C492	39			RTS	
241						
242	C493	C6	40	ZC493	LDB	##40
243	C495	A6	80	ZC495	LDA	,X+
244	C497	A7	A0		STA	,Y+
245	C499	5A			DECB	
246	C49A	26	F9		BNE	ZC495
247	C49C	39			RTS	
248						
249	C49D	44		ZC49D	LSRA	
250	C49E	44			LSRA	
251	C49F	44			LSRA	
252	C4A0	44			LSRA	
253	C4A1	84	0F	ZC4A1	ANDA	##0F
254	C4A3	B1	09		CMPA	##09
255	C4A5	23	02		BLS	ZC4A9
256	C4A7	88	07		ADDA	##07
257	C4A9	88	30	ZC4A9	ADDA	##30
258	C4AB	39			RTS	
259						
260	C4AC	BD	F021	ZC4AC	JSR	>PCRLF
261	C4AF	86	0D	ZC4AF	LDA	##0D
262	C4B1	AD	9F 5832		JSR	[OUTCX]
263	C4B5	AE	A4		LDX	,Y
264	C4B7	31	2D		LEAY	#0D,Y
265	C4B9	8C	FFFF		CMFX	#ZFFFF
266	C4BC	1027	FE1B		LBEQ	ZC2DB
267	C4C0	BD	F027		JSR	>DATA1
268	>C4C3	BD	C4D1		JSR	>ZC4D1
269	C4C6	24	E7		BCC	ZC4AF
270	>C4CB	BD	C503		JSR	>ZC503
271	>C4CB	BD	C503		JSR	>ZC503
272	C4CE	A6	35		LDA	~#0B,Y

273	C4D0 39		RTS		
274					
275	C4D1 7F	EA36	ZC4D1	CLR	>ECHO
276	C4D4 AD	9F 5820		JSR	[[INCHAJ
277	C4D8 81	04		CMPL	##04
278	C4DA 25	03		BCS	ZC4DF
279	C4DC 1C	FE		ANDCC	##FE
280	C4DE 39			RTS	
281					
282	C4DF 1A	01	ZC4DF	ORCC	##01
283	C4E1 39			RTS	
284					
285	C4E2 86	03	ZC4E2	LDA	##03
286	C4E4 34	02		PSHS	A
287	C4E6 5F		ZC4E6	CLRB	
288	C4E7 7C	EA36		INC	>ECHO
289	C4EA AD	9F 5818		JSR	[[INDEZD]
290	C4EE 81	FF		CMPL	##FF
291	C4F0 27	17		BEG	ZC509
292	C4F2 88	30		ADDA	##30
293	C4F4 A7	A0		STA	,Y+
294	C4F6 6A	E4		DEC	,S
295	C4F8 26	EC		BNE	ZC4E6
296	C4FA 32	61		LEAS	#01,S
297	C4FC AD	9F 5830		JSR	[[INVCH]
298	C500 7F	EA36		CLR	>ECHO
299	C503 86	20	ZC503	LDA	##20
300	C505 6E	9F 5832		JMP	[[OUTCX]
301					
302	C509 7F	EA48	ZC509	CLR	>ZIFF
303	C50C AD	9F 5830		JSR	[[INVCH]
304	C510 7F	EA36		CLR	>ECHO
305	C513 32	63		LEAS	#03,S
306	C515 39			RTS	
307					
308	C516 C5ED		ZC516	FDB	#C5ED BITB ##ED
309	C518 43 30 30 30			FCC	"C0000 403F"
	C51C 30 20 34 30				
	C520 33 46				
310	C522 04			FCB	#04
311	C523 C5			FCB	#C5
312	C524 D7			FCB	#D7
313	C525 54 30 30 30			FCC	"T0000 403F"
	C529 30 20 34 30				
	C52D 33 46				
314	C52F 04			FCB	#04
315	C530 C6			FCB	#C6
316	C531 03			FCB	#03
317	C532 4D 45 43 39			FCC	"DEC50 ECDF"
	C536 30 20 45 43				
	C53A 44 46				
318	C53C 04			FCB	#04
319	C53D C6			FCB	#C6
320	C53E 19			FCB	#19

8.10.84

DOS	00021	00135	00238				
ECHO	00029	00068	00275	00288	00298	00304	
FILE	00035	00057	00065	00388			
INB2	00020	00088	00122	00142			
INBUF	00019	00082					
INCHA	00015	00276					
INDEZD	00014	00289					
INESC	00036	00069					
INVCH	00016	00080	00297	00303			
MCHECK	00040	00056					
MERK2	00028	00075	00078	00083	00144	00202	
QUTCH	00041	00162					
QUTCX	00017	00079	00262	00300			
PAGEM	00030	00060					
PCRLF	00042	00260					
PDATA1	00043	00077	00267				
SENDE	00018	00097	00148	00164	00166	00187	00198
STOR1	00037	00228					
STOR2	00038	00229					
STOR3	00039	00067					
TENDE	00012	00200	00219				
UNIT	00031	00153	00182	00185	00189		
WASS1	00013	00064					
Z1404	00007	00098					
Z1410	00008	00110					
Z2800	00009	00120					
Z2802	00010	00109					
Z2BEE	00011	00099	00101				
ZC085	00022	00213					
ZC2D0	00050	00081					
ZC2D6	00053	00087					
ZC2DB	00056	00266					
ZC2E5	00060	00058					
ZC2F7	00068	00066					
ZC2FF	00072	00391					
ZC355	00102	00100					
ZC362	00108	00106					
ZC36A	00111	00114					
ZC3AC	00139	00121					
ZC3B2	00142	00095					
ZC3C9	00151	00146					
ZC3DB	00158	00174					
ZC408	00178	00155					
ZC40A	00180	00152					
ZC426	00192	00181					
ZC42E	00196	00193					
ZC44B	00208	00204					
ZC456	00213	00210					
ZC45B	00216	00195					
ZC471	00226	00217					
ZC48A	00237	00149	00176	00190	00206	00212	00214 00224 00227
ZC493	00242	00172	00201	00220			
ZC495	00243	00223	00246				
ZC49D	00249	00124	00130				
ZC4A1	00253	00127	00133				
ZC4A9	00257	00255					
ZC4AC	00260	00073					
ZC4AF	00261	00269					
ZC4D1	00275	00268					
ZC4DF	00282	00278					
ZC4E2	00285	00086					
ZC4E6	00287	00295					
ZC503	00299	00270	00271				
ZC509	00302	00291					
ZC516	00308	00072					
ZC6DF	00388	00076					

~~SECRET~~

V 2

SS.cmd

R 3.3

Waveterm

Save .USR-Files

ZE060	00024	00218	
ZE0A0	00025	00221	
ZE900	00026	00160	00167 00199
ZE93B	00027	00205	
ZE971	00033	00208	
ZFFFF	00044	00265	
ZIFF	00032	00302	

6.10.84

DFT PAG

* NAM T.CMDV2R3.3 5.OCT.1984

T.CMD

V2

R 3.3

Waveterm

Page 0

Communication

0068	Z0068	EQU	#0068
* *****			
580A		ORG	#580A
* *****			
580A 6002	WASS2	FDB	Z6002
5812	Z5812	EQU	#5812
5822	Z5822	EQU	#5822
5824	Z5824	EQU	#5824
5832	Z5832	EQU	#5832
5834	Z5834	EQU	#5834
5836	Z5836	EQU	#5836
583A	Z583A	EQU	#583A
* *****			
6000		ORG	#6000
* *****			
6000 6028		FDB	INIP1A
6002 62DB	Z6002	FDB	Z62DB
6004 60DB		FDB	Z60DB
* *****			
6014		ORG	#6014
* *****			
6014 6310		FDB	Z6310
6016	Z6016	EQU	#6016
6018	Z6018	EQU	#6018
601A	Z601A	EQU	#601A
601C	Z601C	EQU	#601C
601E	Z601E	EQU	#601E
* *****			
6020		ORG	#6020
* *****			
6020 613A		FDB	Z613A
A614	ZA614	EQU	#A614
C084	ZC084	EQU	#C084
E410	ZE410	EQU	#E410
E900	ZE900	EQU	#E900
EA2D	MERK1	EQU	#EA2D
EA36	ECHO	EQU	#EA36
EA39	MERK3	EQU	#EA39
EA3D	PAGEM	EQU	#EA3D
EA3E	UNIT	EQU	#EA3E

```

59      EA48 ZIFF EQU $EA48
60      EA49 ALTZ EQU $EA49
61      EA4A TSWAVE EQU $EA4A
62      EA4B XPOS EQU $EA4B
63      EA4D YPOS EQU $EA4D
64      EA51 KEY EQU $EA51
65      EA5C INTEG EQU $EA5C
66      EA61 PHI EQU $EA61
67      EA67 RECCC EQU $EA67
68      EA6C EVUA EQU $EA6C
69      EA6D RAM6D EQU $EA6D
70      EA6F LMERK EQU $EA6F
71      EA71 RAM71 EQU $EA71
72      EA73 RAM73 EQU $EA73
73      EA75 RAM75 EQU $EA75
74      EA77 RAM77 EQU $EA77
75      EB01 INPW EQU $EB01
76      EB04 INPENB EQU $EB04
77      EB05 INESC EQU $EB05
78      EB0C STOR1 EQU $EB0C
79      EB0D STOR2 EQU $EB0D
80      EC90 ZEC90 EQU $EC90
81      EC9F ZEC9F EQU $EC9F
82      ECE0 ZECEO EQU $ECE0
83      ECE2 ZECE2 EQU $ECE2
84      EE05 SDFKEY EQU $EE05
85      EF0E INVFLG EQU $EF0E
86      F021 PCRLF EQU $F021
87      F027 PDATA1 EQU $F027
88      FCF4 PIA2 EQU $FCF4
89      FCFA PIAA EQU $FCFA
90      FCFB PIAB EQU $FCFB
91      FD00 PIA EQU $FD00
92      *PIA+1 EQU $FD01
93      *PIA+2 EQU $FD02
94      *PIA+3 EQU $FD03
95      FFFF ZFFF EQU $FFFF
96
97      * *****
98      602B ORG $602B
99      * *****

```

```

100
101      602B 1A 10 INIPIA ORCC ##10
102      602A 7F FD03 CLR >PIA+3
103      602D 86 FF LDA ##FF
104      602F B7 FD02 STA >PIA+2
105      6032 C6 04 LDB #04
106      6034 F7 FD03 STB >PIA+3
107      6037 B7 FD02 STA >PIA+2
108      603A 7F FD01 CLR >PIA+1
109      603D 7F FD00 CLR >PIA
110      6040 7F FCF4 CLR >PIA2
111      6043 86 03 LDA #03
112      6045 B7 FCF4 STA >PIA2

```

INIT Pias


```

113 6048 B6 15 LDA ##15
114 604A B7 FCF4 STA >PIA2
115 604D F7 FD01 STB >PIA+1
116 6050 7F FCFB CLR >PIAB
117 6053 B6 F0 LDA ##F0
118 6055 B7 FCFA STA >PIAA
119 6058 F7 FCFB STB >PIAB
120 605B B7 FCFA STA >PIAA
121 605E 7F EA36 CLR >ECHO
122 6061 7F EB04 CLR >INPENB
123 6064 7F EA48 CLR >ZIFF
124 6067 7F EA51 CLR >KEY
125 606A 7F EA61 CLR >PHI
126 606D B6 01 LDA ##01
127 606F B7 EA67 STA >RECC
128 6072 B7 EA3D STA >PAGEM
129 6075 B7 EF0E STA >INVFLG
130 6078 B7 EB05 STA >INEBC
131 607B B6 FF LDA ##FF
132 607D B7 EB01 STA >INPW
133 6080 B6 0C LDA ##0C
134 6082 AD 9F 5832 JSR [Z5832]
135 6086 20 39 BRA Z60C1
136
137 * *****
138 608B BE 64F1 LDX #SOFREC
139 608B BD F027 JSR >PDAT1
140 * *****
141
142 608E AD 9F EE05 Z60BE JSR [SOFKEY]
143 6092 B1 14 CMPA ##14
144 6094 27 FB BEQ Z60BE
145 6096 B1 03 CMPA ##03
146 6098 26 27 BNE Z60C1
147 609A BE E410 LDX #ZE410
148 609D 6F B0 CLR ,X+
149 609F B6 08 LDA ##08
150 60A1 A7 B0 STA ,X+
151 60A3 B6 13 LDA ##13
152 60A5 A7 B0 STA ,X+
153 60A7 6F B0 CLR ,X+
154 60A9 BF EB0D STX >STOR2
155 60AC B6 01 LDA ##01
156 60AE B7 EB0C STA >STOR1
157 60B1 7F EA49 CLR >ALTZ
158 60B4 BE 6503 LDX #AKTIX
159 60B7 BD F027 JSR >PDAT1
160 60BA BE FFFF LDX #ZFFFF
161 60BD 30 1F Z60BD LEAX -01,X
162 60BF 26 FC BNE Z60BD
163 60C1 BE 637A Z60C1 LDX #TABL4
164 60C4 10BE 6329 LDY #HEADER
165 60C8 AD 9F 5812 JSR [Z5812]
166 60CC BD 0A BSR Z60DB

```

outcx

7,2,3,4,5,6,7,8,9,A,FF

TASBE

Tasten Text

```

167 60CE CC 1445 LDD #01445
168 60D1 FD EA6F STD >LMERK
169 60D4 6E 9F 601A JMP [Z601A]
170
171 60DB AD 9F 6016 Z60DB JSR [Z6016]
172 60DC CC 0000 LDD #0000
173 60DF AD 9F 5824 JSR [Z5824]
174 60E3 86 2A LDA #02A
175 60E5 C6 1F LDB #01F
176 60E7 AD 9F 5822 JSR [Z5822]
177 60EB 8E 6385 LDX #PPGWBX
178 60EE BD F027 JSR >PDAT1
179 60F1 86 2A LDA #02A
180 60F3 C6 1F LDB #01F
181 60F5 AD 9F 5822 JSR [Z5822]
182 60F9 BD F021 JSR >PCRLF
183 60FC 8E 639C LDX #REVISX
184 60FF BD F027 JSR >PDAT1
185 6102 8E A614 LDX #ZA614
186 6105 108E 618E LDY #TABL2
187 6109 10BF EA5C STY >INTEG
188 610D C6 11 LDB #011
189 610F 8D 47 BSR Z615B
190 6111 108E 6195 LDY #TABL3
191 6115 10BF EA5C STY >INTEG
192 6119 C6 0A LDB #00A
193 611B 8D 3B BSR Z615B
194 >611D 7E 619C JMP >Z619C
195
196
197 6120 7D EC9F TST >ZEC9F
198 6123 26 01 BNE Z6126
199 6125 39 RTS
200
201
202 6126 C6 07 Z6126 LDB #007
203 612B 34 04 PSHS B
204 612A 108E EC90 LDY #ZEC90
205 612E E6 A0 Z612E LDB ,Y+
206 6130 27 02 BEQ Z6134
207 6132 8D 06 BSR Z613A
208 6134 6A E4 Z6134 DEC ,S
209 6136 26 F6 BNE Z612E
210 6138 35 B4 PULS PC,B
211 613A 8E 006B Z613A LDX #Z006B
212 613D C4 7F ANDB #07F
213 613F 30 B8 3B Z613F LEAX #3B,X
214 6142 C0 0C SUBB #00C
215 6144 24 F9 BCC Z613F
216 6146 CB 0C ADDB #00C
217 6148 34 10 PSHS X
218 614A 8E 6182 LDX #TABL1
219 614D E6 B5 LDB B,X
220 614F 4F CLRA

```

B. Bin 6FD5 Clear Rild Ram his BCO

Locat Sete Amor

Setout
'PPG Waveform-System'

'Version Page 0 Communication'

Spittpoint
Darstellung

221	6150 E3	E1		ADDD	,S++
222	6152 FD	EA4B		STD	>XFOB
223	6155 7E	6540		JMP	>Z6540
224					
225	6158 34	04	Z6158	PSHS	B
226	615A 34	10	Z615A	PSHS	X
227	615C 10BE	EA5C		LDY	>INTEG
228	6160 C6	06		LDB	##06
229	6162 34	04		PSHS	B
230	6164 C6	07	Z6164	LDB	##07
231	6166 A6	A0	Z6166	LDA	,Y+
232	6168 A7	80		STA	,X+
233	616A 5A			DECB	
234	616B 26	F9		BNE	Z6166
235	616D 31	39		LEAY	-#07,Y
236	616F 6A	E4		DEC	,S
237	6171 26	F1		BNE	Z6164
238	6173 33	04		PULS	B
239	6175 35	10		PULS	X
240	6177 6A	E4		DEC	,S
241	6179 27	05		BEQ	Z6180
242	617B 30	8B 40		LEAX	#40,X
243	617E 20	DA		BRA	Z615A
244					
245	6180 35	B4	Z6180	PULS	FD,B
246					
247	6182 00 06 0A 0E		TABL1	FCB	#00,#06,#0A,#0E,#12,#16,#1A,#20
	6186 12 16 1A 20				
248	618A 26 2A 2E 32			FCB	#26,#2A,#2E,#32
249					
250	618E F8 38 38 3E		TABL2	FCB	#F8,#38,#3B,#3E,#FB,#38,#3E
	6192 F8 38 3E				
251					
252	6195 FE FE FE FE		TABL3	FCB	#FE,#FE,#FE,#FE,#FE,#FE,#FE
	6199 FE FE FE				
253					
254	619C 10BE	ECE0	<u>Z619C</u>	LDY	#ZECE0
255	61A0 B6	FF		LDA	##FF
256	61A2 B7	EA39		STA	>MERK3
257	61A5 6F	E2		CLR	,S
258	61A7 BD	631F	Z61A7	JSR	>Z631F
259	61AA A6	E4		LDA	,S
260	61AC BB	30		ADDA	##30
261	61AE AD	9F 5832		JSR	[Z5832]
262	61B2 C6	02		LDB	##02
263	61B4 B6	20		LDA	##20
264	61B6 AD	9F 5822		JSR	[Z5822]
265	61BA A6	E4		LDA	,S
266	61BC BB	0A		ADDA	##0A
267	61BE C6	0A		LDB	##0A
268	61C0 FD	EA6F		STD	>LMERK
269	61C3 A6	E4		LDA	,S
270	61C5 4B			ASLA	
271	61C6 4B			ASLA	

Keyboard
Darstellung
L. Splittprints
Darstellung

272	61C7	48		ASLA	
273	61C8	48		ASLA	
274	61C9	B7	EA3E	STA	>UNIT
275	61CC	CC	080F	LDD	##080F
276	61CF	AD	9F 5834	JSR	[Z5834]
277	61D3	7D	EA4A	TST	>15WAVE
278	61D6	1026	00F7	LBNE	Z62D1
279	61DA	B6	E900	LDA	>ZE900
280	61DD	84	F0	ANDA	##F0
281	61DF	A7	A4	STA	,Y
282	61E1	B7	EA39	STA	>MERK3
283	61E4	B6	E900	LDA	>ZE900
284	61E7	44		LSRA	
285	61E8	44		LSRA	
286	61E9	44		LSRA	
287	61EA	44		LSRA	
288	61EB	8E	64D0	LDX	#COMPX
289	61EE	4D		TSTA	
290	61EF	27	05	BEQ	Z61F6
291	61F1	30	03	LEAX	#03,X
292	61F3	4A		DECA	
293	61F4	20	FB	BRA	Z61EE
294					
295	61F6	C6	03	LDB	##03
296	61F8	34	04	FSHS	B
297	61FA	A6	80	LDA	,X+
298	61FC	AD	9F 5832	JSR	[Z5832]
299	6200	6A	E4	DEC	,S
300	6202	26	F6	BNE	Z61FA
301	6204	32	61	LEAS	#01,S
302	6206	C6	08	LDB	##08
303	6208	B6	20	LDA	##20
304	620A	AD	9F 5822	JSR	[Z5822]
305	620E	B6	E900	LDA	>ZE900
306	6211	84	0F	ANDA	##0F
307	6213	A7	AB 10	STA	#10,Y
308	6216	8B	30	ADDA	##30
309	6218	AD	9F 5832	JSR	[Z5832]
310	621C	34	20	PSHS	Y
311	621E	A6	AB 10	LDA	#10,Y
312	6221	10BE	652A	LDY	#TABL5
313	6225	E6	62	LDB	#02,S
314	6227	A1	A5	CMPLA	B,Y
315	6229	27	16	BEQ	Z6241
316	622B	8E	64E7	LDX	#NEEDX
317	622E	34	04	PSHS	B
318	6230	BD	F027	JSR	>PDAT1
319	6233	35	04	PULS	B
320	6235	A6	A5	LDA	B,Y
321	6237	8B	30	ADDA	##30
322	6239	AD	9F 5832	JSR	[Z5832]
323	623D	35	20	PULS	Y
324	623F	20	10	BRA	Z6251
325					

WAVEVUHDU mm.

Character out


```

380 62BC C1 30 CMPB ##30
381 62BE 26 03 BNE Z62C3
382 62C0 F7 EA6C STB >EVUA
383 62C3 6E 9F 601E Z62C3 JMP [Z601E]
384
385 62C7 B7 EA3E Z62C7 STA >UNIT
386 62CA B7 EA6C STA >EVUA
387 62CD B7 EA6D STA >RAM6D
388 62D0 39 RTS
389
390 62D1 86 FF Z62D1 LDA ##FF
391 62D3 A7 A4 LDA ,Y
392 62D5 16 FF79 LBRA Z6251
393
394 62D8 B6 C0B4 Z62D8 LDA >ZC0B4
395 62DB B7 EA71 STA >RAM71
396 62DE B6 EA73 LDA >RAM73
397 62E1 B7 EA3E STA >UNIT
398 62E4 AD 9F 601B JSR [Z601B]
399 62E8 BE 64B0 LDX #GETWX
400 62EB 7D EA77 TST >RAM77
401 62EE 27 03 BEQ Z62F3
402 62F0 BE 64B8 LDX #GETUX
403 62F3 AD 9F 5836 Z62F3 JSR [Z5836]
404 62F7 AD 9F 583A JSR [Z583A]
405 62FB BE 64C0 LDX #TXTR
406 62FE 7D EA77 TST >RAM77
407 6301 27 03 BEQ Z6306
408 6303 BE 64C2 LDX #TXTQ
409 6306 AD 9F 5836 Z6306 JSR [Z5836]
410 630A 6E 9F 583A JMP [Z583A]
411
412 630E 44 Z630E FCC "D"
413 630F 04 FCB $04
414
415 6310 BE 630E Z6310 LDX #Z630E
416 6313 20 F1 BRA Z6306
417
418 * *****
419 6315 47 45 54 20 FCC "GET "
420 6319 04 FCB $04
421
422 631A 2E 55 53 52 FCC ".USR"
423 631E 04 FCB $04
424
425 * *****
426 631F 34 76 Z631F PSHS U,Y,X,B,A
427 6321 86 20 LDA ##20
428 6323 AD 9F 5832 JSR [Z5832]
429 6327 35 F6 PULS PC,U,Y,X,B,A
430
431 6329 20 45 53 43 HEADER FCC " ESCAPE RETRY COMPO DISPLAY "
432 632D 41 50 45 20
433 6331 20 20 52 45

```

01234 ← COPY
Line Buffer GET_Txxx

Get O.W.Bin

Get O.U.Bin

INBUF, Dos

R.CM)

Q.CM)

} Print Space!

493	652B 04		FCB	#04
494	652C 01		FCB	#01
495	652D 01		FCB	#01
496	652E 01		FCB	#01
497	652F 00		FCB	#00
498	6530 00		FCB	#00
499	6531 00		FCB	#00
500				
501	6532 BE	64C4	Z6532 LDX	#BETBK
502	6535 AD	9F 5836	JSR	[Z5836]
503	6539 AD	9F 583A	JSR	[Z583A]
504	653D 7E	602B	JMP	>INIP1A
505				
506	6540 BE	EA4B	Z6540 LDX	>XPDS
507	6543 C6	90	LDB	#90
508	6545 F7	EA4D	Z6545 STB	>YPDS
509	6548 BD	2B	BSR	Z6575
510	654A F6	EA4D	LDB	>YPDS
511	654D 5C		INCB	
512	654E C1	98	CMPS	#98
513	6550 26	F3	BNE	Z6545
514	6552 39		RTS	
515				
516			* *****	
517	6553 BD	09	BSR	Z655E
518	6555 7C	EA4D	INC	>YPDS
519	6558 BD	04	BSR	Z655E
520	655A 7A	EA4D	DEC	>YPDS
521	655D 39		RTS	
522			* *****	
523				
524	655E BD	15	Z655E BSR	Z6575
525	6560 FC	EA4B	LDD	>XPDS
526	6563 C3	0001	ADDD	#0001
527	6566 FD	EA4B	STD	>XPDS
528	6569 BD	0A	BSR	Z6575
529	656B FC	EA4B	LDD	>XPDS
530	656E B3	0001	SURD	#0001
531	6571 FD	EA4B	STD	>XPDS
532	6574 39		RTS	
533				
534	6575 FC	EA4B	Z6575 LDD	>XPDS
535	6578 34	04	PSHS	B
536	657A C4	07	ANDB	#07
537	657C F7	EA2D	STB	>MERK1
538	657F 35	04	PULS	B
539	6581 44		LSRA	
540	6582 56		RORB	
541	6583 44		LSRA	
542	6584 56		RORB	
543	6585 44		LSRA	
544	6586 56		RORB	
545	6587 34	06	PSHS	B, A
546	6589 B6	40	LDA	#40

← start

Get B' Get K'
INB4,
DOS
INIT PIA, S

Grafik

✓ Page Ø

Plittypoints

Keyboard
Darstellung

6.10.84

TCMDA

V2 R3.3

Waveform

Page 0

Communication

AKTIX	00488	00158							
ALTZ	00060	00157							
COMFX	00481	00288							
ECHO	00055	00121							
EVUA	00068	00347	00353	00358	00382	00386			
GETBK	00478	00501							
GETUX	00469	00402							
GETWX	00466	00399							
HEADER	00431	00164							
INESC	00077	00130							
INIP1A	00101	00027	00504						
INFENB	00076	00122							
INPW	00075	00132							
INTEG	00065	00187	00191	00227					
INVFLG	00085	00129							
KEY	00064	00124							
LMERK	00070	00168	00268						
MERK1	00054	00537	00552	00559	00561	00563	00565	00566	00570
MERK3	00056	00256	00282	00343					
NEEDX	00482	00316							
PAGEM	00057	00128							
PCRLF	00086	00182	00333						
PDATA1	00087	00139	00159	00178	00184	00318			
PHI	00066	00125							
PIA	00091	00102	00104	00106	00107	00108	00109	00115	
PIA2	00088	00110	00112	00114					
PIAA	00089	00118	00120						
PIAB	00090	00116	00119						
PPGWX	00439	00177							
RAM6D	00069	00352	00361	00387					
RAM71	00071	00395							
RAM73	00072	00364	00372	00379	00396				
RAM75	00073	00342							
RAM77	00074	00340	00400	00406					
RECC	00067	00127							
REV18X	00442	00183							
SOFKEY	00084	00142							
SOFREC	00485	00138							
STOR1	00078	00156							
STOR2	00079	00154							
TABL1	00247	00218							
TABL2	00250	00186							
TABL3	00252	00190							
TABL4	00436	00163							
TABL5	00492	00312							
TSWAVE	00061	00277							
TXID	00475	00408							
TXTR	00472	00405							
UNIT	00058	00274	00363	00375	00378	00385	00397		
WASS2	00013								
XPDS	00062	00222	00506	00525	00527	00529	00531	00534	
YFDS	00063	00508	00510	00518	00520	00547			
Z0068	00007	00211							
Z5812	00015	00165							
Z5822	00016	00176	00181	00264	00304				
Z5824	00017	00173							
Z5832	00018	00134	00261	00298	00309	00322	00428		
Z5834	00019	00276							
Z5836	00020	00403	00409	00502					
Z583A	00021	00404	00410	00503					
Z6002	00029	00013							
Z6016	00038	00171							
Z6018	00039	00398							

Z601A	00040	00169	
Z601C	00041	00331	
Z601E	00042	00383	
Z608E	00142	00144	
Z608D	00161	00162	
Z60C1	00163	00135	00146
Z60DB	00171	00030	00166
Z6126	00202	00178	
Z612E	00205	00209	
Z6134	00208	00206	
Z613A	00211	00048	00207
Z613F	00213	00215	
Z615B	00225	00189	00193
Z615A	00226	00243	
Z6164	00230	00237	
Z6166	00231	00234	
Z6180	00245	00241	
Z619C	00254	00194	
Z61A7	00258	00338	
Z61EE	00289	00293	
Z61F6	00295	00290	
Z61FA	00297	00300	
Z6241	00326	00315	
Z6251	00333	00324	00329 00392
Z6292	00361	00350	
Z6296	00363	00356	00359
Z62B2	00376	00374	
Z62C3	00383	00381	
Z62C7	00385	00345	
Z62D1	00390	00278	
Z62DB	00394	00029	
Z62F3	00403	00401	
Z6306	00409	00407	00416
Z630E	00412	00415	
Z6310	00415	00036	
Z631F	00426	00258	
Z6532	00501	00574	
Z6540	00506	00223	
Z6545	00508	00513	
Z655E	00524	00517	00519
Z6575	00534	00509	00524 00528
Z659D	00556	00558	
Z65BB	00569	00562	
Z65BD	00571	00567	
ZA614	00050	00185	
ZC0B4	00051	00394	<i>Line Buffer</i>
ZE410	00052	00147	
ZE900	00053	00279	00283 00305
ZEC90	00080	00204	
ZEC9F	00081	00197	
ZECE0	00082	00254	00354 00370
ZECE2	00083	00348	
ZFFFF	00095	00160	
Z1FF	00059	00123	

6.10.84

OPT PAG

* NAM K.BINV2R3.3 5.10.84

0000	WAVBAS	EQU	\$0000
0005	Z0005	EQU	\$0005
0006	Z0006	EQU	\$0006
0007	Z0007	EQU	\$0007
0012	Z0012	EQU	\$0012
0013	Z0013	EQU	\$0013
0063	Z0063	EQU	\$0063
0100	Z0100	EQU	\$0100
0206	Z0206	EQU	\$0206
1313	Z1313	EQU	\$1313
1424	Z1424	EQU	\$1424
1436	Z1436	EQU	\$1436
151B	Z151B	EQU	\$151B
1529	Z1529	EQU	\$1529
2000	Z2000	EQU	\$2000
4000	TENDE	EQU	\$4000
4037	Z4037	EQU	\$4037
403E	Z403E	EQU	\$403E
C080	LBUFFR	EQU	\$C080
C084	ZC084	EQU	\$C084
C085	ZC085	EQU	\$C085
C08C	ZC08C	EQU	\$C08C
CC14	LPTER	EQU	\$CC14
E900	ZE900	EQU	\$E900
E901	ZE901	EQU	\$E901
E939	ZE939	EQU	\$E939
E950	ZE950	EQU	\$E950
EA24	WALEND	EQU	\$EA24
EA2D	MERK1	EQU	\$EA2D
EA2E	MERK2	EQU	\$EA2E
EA39	MERK3	EQU	\$EA39
EA3E	UNIT	EQU	\$EA3E
EA4A	TSWAVE	EQU	\$EA4A
EA51	KEY	EQU	\$EA51
EA5F	RESULT	EQU	\$EA5F
EA61	PHI	EQU	\$EA61
EA6B	BANK	EQU	\$EA6B
EA6C	EVUA	EQU	\$EA6C
EA72	ZE72	EQU	\$EA72
EA73	RAM73	EQU	\$EA73
EA75	RAM75	EQU	\$EA75
EA76	ZE76	EQU	\$EA76
EA77	RAM77	EQU	\$EA77
EA78	ZE78	EQU	\$EA78
EA79	ZE79	EQU	\$EA79
EC8D	ZEC8D	EQU	\$EC8D
EC8E	ZEC8E	EQU	\$EC8E
EC90	ZEC90	EQU	\$EC90
EC96	ZEC96	EQU	\$EC96
EC97	ZEC97	EQU	\$EC97

K. Bin

V2

R 3.3

Waveterm

Selected

Component

Page Ø


```

59      EC9D ZEC9D EQU  %EC9D
60      EC9E ZEC9E EQU  %EC9E
61      EC9F ZEC9F EQU  %EC9F
62      ECA0 ZECA0 EQU  %ECA0
63      ECE0 ZECE0 EQU  %ECE0
64      EE05 S0FKEY EQU  %EE05
65      EF0E INVFLB EQU  %EF0E
66      F021 PCRLF EQU  %F021
67      F027 PDATA1 EQU %F027
68      FCF4 PIA2 EQU  %FCF4
69      FCF5 ZFCF5 EQU  %FCF5
70      FD00 PIA EQU  %FD00
71      *PIA+1 EQU %FD01
72      *PIA+2 EQU %FD02
73      *PIA+3 EQU %FD03
74
75      * *****
76      580A ORG  %580A
77      * *****
78
79      580A 6002 WASS2 FDB Z6002
80
81      5816 Z5816 EQU  %5816
82      5818 Z5818 EQU  %5818
83      581C Z581C EQU  %581C
84      5824 Z5824 EQU  %5824
85      5828 Z5828 EQU  %5828
86      5830 Z5830 EQU  %5830
87      5832 Z5832 EQU  %5832
88      5834 Z5834 EQU  %5834
89      5836 Z5836 EQU  %5836
90      5838 Z5838 EQU  %5838
91      583A Z583A EQU  %583A
92      6002 Z6002 EQU  %6002
93
94      * *****
95      6006 ORG  %6006
96      * *****
97
98      6006 74A4 FDB  Z74A4
99
100     * *****
101     600E ORG  %600E
102     * *****
103
104     600E 76E9 FDB  Z76E9
105     6010 7826 FDB  Z7826
106     6012 7507 FDB  Z7507
107
108     * *****
109     601C ORG  %601C
110     * *****
111
112     601C 78AD FDB  Z78AD

```

113	601E 74C9	FDB	Z74C9
114			
115	6020 Z6020	EQU	#6020
116			
117		* *****	
118	6022	ORG	#6022
119		* *****	
120			
121	6022 7938	FDB	Z7938
122			
123	6024 Z6024	EQU	#6024
124			
125		* *****	
126	6026	ORG	#6026
127		* *****	
128			
129	6026 7450	FDB	Z7450
130			
131		* *****	
132	7400	ORG	#7400
133		* *****	
134			

Transmit

Subro 7400

135	7400 B6 14	Z7400 LDA	##14
136	7402 5F	CLRB	
137	7403 AD 9F 5824	JSR	[Z5824]
138	7407 BE 7A65	LDX	#Z7A65
139	740A BD F027	JBR	>PDAT1
140	740D B6 14	LDA	##14
141	740F C6 10	LDB	##10
142	7411 AD 9F 5824	JBR	[Z5824]
143	7415 F6 EC9F	LDB	>ZEC9F
144	741B C4 7F	ANDB	##7F
145	741A AD 9F 581C	JBR	[Z581C]
146	741E B6 14	LDA	##14
147	7420 C6 24	LDB	##24
148	7422 AD 9F 5824	JBR	[Z5824]
149	7426 F6 EA78	LDB	>EA78
150	7429 C4 7F	ANDB	##7F
151	742B AD 9F 581C	JBR	[Z581C]
152	742F BD F021	JBR	>PCRLF
153	7432 BE 7A9B	LDX	#Z7A9B
154	7435 BD F027	JBR	>PDAT1
155	7438 F6 EC9D	LDB	>ZEC9D
156	743B C4 7F	ANDB	##7F
157	743D AD 9F 581C	JBR	[Z581C]
158	7441 BE 7AB7	LDX	#Z7AB7
159	7444 BD F027	JBR	>PDAT1
160	7447 F6 EC9E	LDB	>ZEC9E
161	744A C4 7F	ANDB	##7F
162	744C 6E 9F 581C	JMP	[Z581C]

Scout
"Multisampling Load for H"

Scout

outDEZ

Scout

outDEZ

"Group Assignment A-Bank #"

Sel. Bank A No

outDEZ

"3 = Bank #"

Sel. Data Bank B No

outDEZ

163			
164	7450 BD 0B	Z7450 BSR	Z7450
165	7452 34 06	PSHS	B, A
166	7454 C6 06	LDB	##06

Subro

7450

Imptable

6026

167	7456 34	04	PSHS	B	
168	7458 8D	15	BSR	<u>Z746F</u>	
169	745A 32	63	LEAS	#03,S	
170	745C 39		RTS		
171					
172	745D B6	EA6B	<u>745D</u> LDA	>BANK	
173	7460 C6	06	LDB	#06	
174	7462 3D		MUL		
175	7463 CB	1E	ADDB	##1E	
176	7465 B6	EA3E	LDA	>UNIT	
177	7468 44		LSRA		
178	7469 44		LSRA		
179	746A 44		LSRA		
180	746B 44		LSRA		
181	746C BB	0A	ADDA	##0A	
182	746E 39		RTS		
183					
184	746F 7F	EF0E	<u>Z746F</u> CLR	>INVFLG	
185	7472 EC	63	LDD	#03,S	
186	7474 AD	9F 5824	JSR	[Z5824]	Set up
187	747B AD	9F 5830	JSR	[Z5830]	INVCB
188	747C 6C	64	INC	#04,S	
189	747E 6A	62	DEC	#02,S	
190	7480 26	ED	BNE	Z746F	
191	7482 7C	EF0E	INC	>INVFLG	
192	7485 39		<u>Z7485</u> RTS		

194	7486 B6	13	<u>Z7486</u> LDA	##13	
195	7488 5F		CLRB		
196	7489 AD	9F 5824	JSR	[Z5824]	
197	748D 8E	7A50	LDX	#Z7A50	"selected Component:"
198	7490 BD	F027	JSR	>PDAT1	
199	7493 B6	EA3E	LDA	>UNIT	
200	7496 81	FF	CMPA	##FF	
201	7498 27	EB	BEQ	Z7485	
202	749A 44		LSRA		
203	749B 44		LSRA		
204	749C 44		LSRA		
205	749D 44		LSRA		
206	749E BB	30	ADDA	##30	
207	74A0 6E	9F 5832	JMP	[Z5832]	outcx

Subro
7486

209	74A4 8E	7ADC	<u>Z74A4</u> LDX	#Z7ADC	(Code)
210	74A7 AD	9F 5816	JSR	[Z5816]	INVERT
211	74AB 108E	ECE0	LDY	#ZECE0	
212	74AF E6	A6	LDB	A,Y	
213	74B1 C1	FF	CMPB	##FF	
214	74B3 27	2E	BEQ	<u>Z74E3</u>	
215	74B5 48		ASLA		
216	74B6 48		ASLA		
217	74B7 48		ASLA		
218	74B8 48		ASLA		
219	74B9 87	EA3E	<u>Z74B9</u> STA	>UNIT	
220	74BC B7	EA73	STA	>RAM73	

Subro
74A4
Imptable
6006

221	74BF	B1	30	CMPA	##30	
222	74C1	26	03	BNE	Z74C6	
223	74C3	B7	EA6C	STA	>EVUA	
224	74C6	BD	780D	JSR	>Z780D	Subro → Subro
225	>74C9	BD	7486	<u>Z74C6</u>	<u>JSR</u>	<u>Z7486</u> Subro Selected Component
226	74CC	B6	EA3E	LDA	>UNIT	
227	74CF	B1	40	CMPA	##40	
228	74D1	24	0F	BCC	Z74E2	
229	74D3	7F	EA6B	CLR	>BANK	
230	74D6	BD	78AD	JSR	>Z78AD	→ Wave 2.3
231	74D9	BD	78BC	JSR	>Z78BC	→ " "
232	74DC	BD	7400	JSR	>Z7400	Group Assignment
233	74DF	BD	780D	JSR	>Z780D	Subro → Subro
234	74E2	39		<u>Z74E2</u>	<u>RTS</u>	
235						
236	74E3	B6	EA6C	<u>Z74E3</u>	<u>LDA</u>	<u>>EVUA</u>
237	74E6	20	D1	<u>BRA</u>	<u>Z74B9</u>	

Scriptable
601E

239	74E8	BD	7B0B	<u>Z74E8</u>	<u>JSR</u>	<u>>Z7B0B</u>
240	74EB	B6	01	LDA	##01	ACIA
241	74ED	B7	EA72	STA	>EA72	
242	74F0	7F	EA2D	CLR	>MERK1	
243	74F3	B6	03	LDA	##03	
244	74F5	BD	7967	JSR	>Z7967	Transmit
245	74F8	BD	7B0B	JSR	>Z7B0B	
246	74FB	7C	EA2D	INC	>MERK1	
247	74FE	B6	03	LDA	##03	
248	7500	BD	7967	JSR	>Z7967	Transmit
249	7503	7F	EA61	CLR	>PHI	
250	7506	39		<u>RTS</u>		

252	7507	B6	EA61	<u>Z7507</u>	<u>LDA</u>	<u>>PHI</u>
253	750A	B1	AA	CMPA	##AA	
254	750C	27	DA	BEQ	Z74E8	
255	750E	BD	7857	JSR	>Z7857	Macro
256	7511	BD	7857	JSR	>Z7857	"
257	7514	BD	7450	JSR	>Z7450	
258	7517	AD	9F EE05	<u>Z7517</u>	<u>JSR</u>	<u>[SOFKEY]</u>
259	751B	B1	14	CMPA	##14	Input
260	751D	27	F8	BEQ	Z7517	
261	751F	B1	08	CMPA	##08	
262	7521	1027	0147	<u>LBEO</u>	<u>Z7465</u>	→ Transmit
263	7525	1025	0167	<u>LBOS</u>	<u>Z7690</u>	
264	7529	34	02	PSHS	A	Bank/Unit + RTS
265	752B	BD	745D	JSR	>Z745D	Bank/Unit
266	752E	5C		INCB		
267	752F	FD	EA5F	STD	>RESULT	
268	7532	AD	9F 5824	JSR	[Z5824]	SECUR
269	7536	35	02	PULS	A	
270	7538	B1	12	CMPA	##12	
271	753A	26	29	BNE	Z7565	
272	753C	CE	ECA0	LDU	##ECA0	
273	753F	B6	EA6B	LDA	>BANK	
274	7542	48		ASLA		

Scriptable
6012

275	7543	4B		ASLA	
276	7544	8B	03	ADDA	##03
277	7546	C6	04	LDB	##04
278	7548	6F	C6	CLR	A,U
279	754A	4A		DECA	
280	754B	5A		DECB	
281	754C	26	FA	BNE	Z7548
282	754E	7F	EF0E	CLR	>INVFLB
283	7551	C6	05	LDB	##05
284	7553	34	04	PSHS	B
285	7555	B6	20	LDA	##20
286	7557	BD	7630	JSR	>Z7630 Micro
287	755A	6A	E4	DEC	,S
288	755C	26	F7	BNE	Z7555
289	755E	AD	9F 5830	JSR	[Z5830] INVCH
290	7562	16	00C3	LBRA	Z7628
291					
292	7565	C6	54	LDB	##54
293	7567	B1	0E	CMPA	##0E
294	7569	23	02	BLS	Z756D
295	756B	C6	43	LDB	##43
296	756D	1F	98	TFR	B,A
297	756F	B7	EA2E	STA	>MERK2
298	7572	7F	EF0E	CLR	>INVFLB
299	7575	BD	7630	JSR	>Z7630 Micro
300	7578	BE	792E	LDX	##792E Get
301	757B	AD	9F 5836	JSR	[Z5836] In Buf
302	757F	CE	ECA0	LDU	#ZECA0
303	7582	B6	EA6B	LDA	>BANK
304	7585	48		ASLA	
305	7586	48		ASLA	
306	7587	33	C6	LEAU	A,U
307	7589	B6	EA2E	LDA	>MERK2
308	758C	A7	A0	STA	,Y+
309	758E	5F		CLRB	
310	758F	B1	43	CMPA	##43
311	7591	27	02	BEQ	Z7595
312	7593	C6	03	LDB	##03
313	7595	E7	43	STB	#03,U
314	7597	C6	03	LDB	##03
315	7599	34	04	PSHS	B
316	759B	5F		CLRB	
317	759C	AD	9F 5818	JSR	[Z5818] INDE20
318	75A0	B1	FF	CMPA	##FF
319	75A2	26	0C	BNE	Z75B0
320	75A4	AD	9F 5830	JSR	[Z5830] INVCH
321	75A8	7C	EF0E	INC	>INVFLB
322	75AB	32	61	LEAS	#01,S
323	75AD	16	FF67	LBRA	Z7517
324					
325	75B0	8B	30	ADDA	##30
326	75B2	A7	A0	STA	,Y+
327	75B4	A7	C0	STA	,U+
328	>75B6	BD	7630	JSR	>Z7630 Micro

329	75B9 AD	9F 5830	JSR	[Z5830]
330	75BD 6A	E4	DEC	.S
331	75BF 26	DA	BNE	[Z59B]
332	75C1 AD	9F 5830	JSR	[Z5830]
333	75C5 BE	7933	LDX	#Z7933
334	75C8 AD	9F 5838	JSR	[Z5838]
335	75CC AD	9F 583A	JSR	[Z583A]
336	75D0 5D		TSTB	
337	75D1 26	55	BNE	Z7628
338	75D3 7D	EC9E	TST	>ZEC9E
339	75D6 26	27	BNE	Z75FF
340	75D8 7D	EC9E	TST	>ZEC9E
341	75DB 27	22	BEQ	Z75FF
342	75DD FC	E900	LDD	>ZE900
343	75E0 34	06	PSHS	B,A
344	75E2 B6	EA72	LDA	>ZEA72
345	75E5 B4	02	ANDA	##02
346	75E7 B1	02	CMFA	##02
347	75E9 27	02	BEQ	Z75ED
348	75EB B6	01	LDA	##01
349	75ED B7	EC9E	Z75ED STA	>ZEC9E
350	75F0 BE	7AF0	LDX	#Z7AF0
351	75F3 AD	9F 5828	JSR	[Z5828]
352	75F7 BD	7400	JSR	>Z7400
353	75FA 35	06	PULS	B,A
354	75FC FD	E900	STD	>ZE900
355	75FF B6	403E	Z75FF LDA	>Z403E
356	7602 B4	03	ANDA	##03
357	7604 B7	EA72	STA	>ZEA72
358	7607 B6	4037	LDA	>Z4037
359	760A 7F	EA2D	CLR	>MERK1
360	760D BD	7938	JSR	>Z7938
361	7610 7D	EA72	TST	>ZEA72
362	7613 27	13	BEQ	Z7628
363	7615 B6	58	LDA	##58
364	7617 BD	31	BSR	Z7640
365	7619 B6	EA72	LDA	>ZEA72
366	761C B1	02	CMFA	##02
367	761E 26	08	BNE	Z7628
368	7620 B6	59	LDA	##59
369	7622 BD	26	BSR	Z7640
370	7624 B6	5A	LDA	##5A
371	7626 BD	22	BSR	Z7640
372	7628 7C	EF0E	Z7628 INC	>INVE18
373	762B 32	61	LEAS	#01,8
374	762D 7E	7450	JMP	>Z7450
375				
376	7630 AD	9F 5832	Z7630 JSR	[Z5832]
377	7634 FC	EA5F	LDD	>RESULT
378	7637 AD	9F 5824	JSR	[Z5824]
379	763B AD	9F 5830	JSR	[Z5830]
380	763F FC	EA5F	LDD	>RESULT
381	7642 5C		INCB	
382	7643 FD	EA5F	STD	>RESULT

INVCH

INVCH

"USR"

INB2

DOS

Error Flag vom Das
Clear OK!Transmit (V.C.H.)
Group Assignment

Transmit (K.Ri.)

X
Transmit

Y

Z

Pubros 7630
von 75 x x

383 7646 6E 9F 5824
384

JMP [Z5824]

385 764A B7 C084
386 764D 108E C080
387 7651 10BF CC14
388 7655 108E C08C
389 7659 AD 9F 583A
390 765D B6 EA72
391 7660 B7 403E
392 7663 B6 4037
393 7666 7C EA2D
394 7669 7E 7938
395

Z764A STA >ZC084
LDY #LBUFR
STY >LPTER
LDY #ZC08C
JSR [Z583A]
LDA >ZEA72
STA >Z403E
LDA >Z4037
INC >MERK1
JMP >Z7938

Subro

Hole Transiente

DOs

Adm

Transmit (K. Bin)

396 766C BD 7450
397 766F B6 EA6B
398 7672 7D -EC8E
399 7675 27 06
400 7677 4C
401 7678 B1 07
402 767A 23 01
403 767C 4F
404 767D B7 EA6B
405 7680 BD 7450
406 7683 B6 EA6B
407 7686 BE 7AF4
408 7689 AD 9F 5828
409 768D 16 FEB7
410
411 7690 BD 7450
412 7693 39

Z766C JSR >Z7450
LDA >BANK
TST >IECBE
BEQ Z767D
INCA
CMPA ##07
BLS Z767D
CLRA
Z767D STA >BANK
JSR >Z7450
LDA >BANK
LDX #Z7AF4
JSR [Z5828]
LBR A Z7517

Nur:

Subro von 7507

Bank/Unit

Code

Transmit (V. Bin)

Z7690 JSR >Z7450
Z7693 RTS

414 7694 B6 14
415 7696 C6 24
416 7698 AD 9F 5824
417 769C AD 9F 5830
418 76A0 AD 9F EE05
419 76A4 B1 14
420 76A6 27 FB
421 76A8 B1 06
422 76AA 27 37
423 76AC B1 00
424 76AE 27 2F
425 76B0 B1 05
426 76B2 25 19
427 76B4 AD 9F 5830
428 76B8 BE 7AD4
429 76BB AD 9F 5816
430 76BF BA B0
431 76C1 B7 EA78
432 76C4 C6 60
433 76C6 F7 EA75
434 76C9 6E 9F 6024
435
436 76CD AD 9F 5830

Z7694 LDA ##14
LDB ##24
JSR [Z5824] *SECAR INVCH*
JSR [Z5830]
Z76A0 JSR [B0FKEY]
CMPA ##14
BEQ Z76A0
CMPA ##06
BEQ Z76E3
CMPA ##00
BEQ Z76DE
CMPA ##05
BCS Z76CD
JSR [Z5830] *INVCH*
LDX #Z7AD4
JSR [Z5816] *INVER1*
ORA ##80
STA >ZEA78
LDB ##60
STB >RAM75
JMP [Z6024]
Z76C4 LDA
Z76CD JSR [Z5830] *INVCH*

Transmit im B. Bin (CD16)

437	76D1	8E	7AE4	LDX	#Z7AE4
438	76D4	AD	9F 5B16	JSR	[Z5B16] INVERT
439	76DB	8A	80	ORA	##80
440	76DA	B7	EA79	STA	>ZEA79
441	76DD	20	E5	BRA	Z76C4
442					
443	76DF	6E	9F 5B30	<u>Z76DF</u>	JMP [Z5B30] INVCB
444					
445	76E3	AD	9F 5B30	<u>Z76E3</u>	JSR [Z5B30]
446	76E7	20	05	BRA	Z76EE
447					
448	76E9	7D	EA77	Z76E9	TST >RAM77
449	76EC	26	A6	BNE	Z769A
450	76EE	BD	7B57	<u>Z76EE</u>	JSR Z7657 Macro
451	76F1	7D	EC8E	TST	>ZEC8E
452	76F4	27	9D	BEQ	Z7693 RTS
453	76F6	86	14	LDA	##14
454	76FB	C6	10	LDB	##10
455	76FA	AD	9F 5B24	JSR	[Z5B24]
456	76FE	AD	9F 5B30	JSR	[Z5B30]
457	7702	AD	9F EE05	JSR	[80FKEY]
458	7706	81	14	CMFA	##14
459	770B	27	FB	BEQ	Z770B
460	770A	81	0A	CMFA	##0A
461	770C	25	7B	RCS	Z7786
462	770E	80	09	SUBA	##09
463	7710	81	0A	CMFA	##0A
464	7712	26	01	BNE	Z7715
465	7714	4F		CLRA	
466	7715	C6	0A	<u>Z7715</u>	LDB ##0A
467	7717	3D		MUL	
468	771B	34	04	PSHS	B
469	771A	5F		CLRB	
470	771B	AD	9F 5B18	JSR	[Z5B18] INDE20
471	771F	81	FF	CMFA	##FF
472	7721	26	04	BNE	Z7723
473	7723	35	04	PULS	B
474	7725	20	3F	BRA	Z7766
475					
476	7727	AB	E0	<u>Z7727</u>	ADDA ,S+
477	7729	81	30	CMFA	##30
478	772B	23	02	BLB	Z772E
479	772D	86	30	LDA	##30
480	772F	B7	EC9F	<u>Z772F</u>	STA >ZEC9F
481	7732	1F	89	TFR	A,B
482	7734	AD	9F 5B1C	JSR	[Z5B1C] OUTDEZ
483	7738	AD	9F 5B30	JSR	[Z5B30] INVCB
484	773C	BD	780D	JSR	>Z780D split point
485	773F	10BE	EC90	LDY	#ZEC90
486	7743	C6	07	LDB	##07
487	7745	34	04	PSHS	B
488	7747	4F		CLRA	
489	7748	7D	EC9F	TST	>ZEC9F
490	774B	27	02	BEQ	Z774F

Eingprung

JmpTable
6 0 0 E

split point (multispl.)

split point
Points

491	774D	86	07	LDA	##07
492	774F	BB	EC9F	ADDA	>ZEC9F
493	7752	81	3F	CMFA	##3F
494	7754	22	28	BHI	Z777E
495	7756	A7	A0	STA	,Y+
496	7758	6A	E4	DEC	,S
497	775A	26	F3	BNE	Z774F
498	775C	35	04	PULS	B
499	775E	7D	EC9F	TST	>ZEC9F
500	7761	27	03	BEQ	Z7766
501	7763	BD	780D	JSR	Z7780D
502	7766	108E	E900	LDY	##2E900
503	776A	BE	EC90	LDX	##ZEC90
504	776D	C6	10	LDB	##10
505	776F	BD	7A36	JSR	>Z7A36
506	7772	CC	0206	LDD	##0206
507	7775	AD	9F 8038	JSR	[Z5834]
508	7779	AD	9F 5930	JSR	[Z5830]
509	777D	39		RTS	
510					
511	777E	6F	A0	Z777E	CLR
512	7780	6A	E4	DEC	,S
513	7782	26	FA	BNE	Z777E
514	7784	20	D6	BRA	Z775C
515					
516	7786	7D	EC9F	Z7786	TST
517	7789	27	DB	BEQ	Z7766
518	778B	108E	EC96	LDY	##ZEC96
519	778F	34	02	PSHS	A
520	7791	6D	A4	TST	,Y
521	7793	26	23	BNE	Z778B
522	7795	35	02	PULS	A
523	7797	81	05	CMFA	##05
524	7799	24	14	BCC	Z774F
525	779B	C6	06	LDB	##06
526	779D	108E	EC97	LDY	##ZEC97
527	77A1	A6	3E	Z77A1	LDA
528	77A3	A7	A2	STA	,Y
529	77A5	5A		DECB	
530	77A6	26	F9	BNE	Z77A1
531	77AB	E6	A4	LDB	,Y
532	77AA	5A		DECB	
533	77AB	31	3F	LEAY	##01,Y
534	77AD	20	43	BRA	Z77F2
535					
536	77AF	E6	A2	Z77AF	LDB
537	77B1	27	FC	BEQ	Z77AF
538	77B3	5C		INCB	
539	77B4	31	21	LEAY	##01,Y
540	77B6	20	3A	BRA	Z77F2
541					
542	77B8	A6	E4	Z77B8	LDA
543	77BA	81	05	CMFA	##05
544	77BC	24	04	BCC	Z77C2

Multiplier

Tarten 64 No.

Multi-range.
Rechts Splittpoints

1. ≠ Bytes Splittpoints

Multi-range. BBSplittpoints

76 Bytes zum Vore 2.3

versetze X → Y Range

(INVCH V.CM)

Wenn Splittpoints höher
als Tarten!
dann Splittpoints!

Splittpoint No 7

versetze
kon ocl. High
Splittpoint
SPL0 und SPL6


```

545 778E 108E EC90 LDY #ZEC90
546 77C2 34 20 Z77C2 PSHS Y
547 77C4 E6 A4 LDB ,Y
548 77C6 AD 9F 6020 JSR [Z6020]
549 77CA 35 20 PULS Y
550 77CC E6 A4 LDB ,Y
551 77CE 5A DECB
552 77CF 27 0A BEQ Z77DB
553 77D1 108C EC90 CMPY #ZEC90
554 77D5 27 05 BEQ Z77DC
555 77D7 E1 3F CMPB #01,Y
556 77D9 26 01 BNE Z77DC
557 77DB 5C Z77DB INCB
558 77DC 35 02 Z77DC PULS A
559 77DE B1 05 CMFA ##05
560 77E0 25 10 BCS Z77F2
561 77E2 CB 02 ADDB ##02
562 77E4 C1 47 CMPB ##47
563 77E6 22 3B BHI Z7823
564 77E8 108C EC90 CMPY #ZEC90
565 77EC 26 04 BNE Z77F2
566 77EE E1 21 CMPB #01,Y
567 77F0 27 31 BEQ Z7823
568 77F2 E7 A4 Z77F2 STB ,Y
569 77F4 34 20 PSHS Y
570 77F6 AD 9F 6020 JSR [Z6020]
571 77FA 35 20 PULS Y
572 77FC AD 9F EE05 Z77FC JSR [SOFKEY]
573 7800 B1 14 CMFA ##14
574 7802 27 F8 BEQ Z77EC
575 7804 4D TSTA
576 7805 1027 FF5D LBEQ Z7826
577 7809 34 02 PSHS A
578 780B 20 B5 BRA Z77C2
579
580 780D 108E EC90 Z780D LDY #ZEC90
581 7811 C6 07 LDB ##07
582 7813 34 04 PSHS B
583 7815 E6 A0 LDB ,Y+
584 7817 27 04 BEQ Z781D
585 7819 AD 9F 6020 JSR [Z6020]
586 781D 6A E4 Z781D DEC ,B
587 781F 26 F4 BNE Z7815
588 7821 35 B4 PULS PC,B
589
590 7823 5A Z7823 DECB
591 7824 20 CC BRA Z77F2

```

Input Key

Transmit zur Wave

EC90 → E900
ECA0

→ T.C.M) x POS + y POS setzen

Keyboard Verteilung

Subro
Imptable
60 10

Bank A
" B

```

592
593 7826 7D EC8E Z7826 TST >ZEC8E
594 7829 27 4B BEQ Z7873
595 782B B6 EA51 LDA >KEY
596 782E 4C INCA
597 782F B1 02 CMFA ##02
598 7831 26 01 BNE Z7834

```



```

599 7833 4F          CLRA
600 7834 B7 EA51    Z7834 STA    >KEY
601 7837 B1 01      CMPA    ##01
602 7839 27 0E      BEQ     Z7849
603 783B BE 7AC4    LDX     Z784C
604 783E AD 9F 5B16 JSR     Z7816J
605 7842 BE 7AFC    LDX     Z7AFC
606 7845 6E 9F 5B2B JMP     Z782B
607
608 7849 BE 7ACC    Z7849 LDX     #Z7ACC
609 784C AD 9F 5B16 JSR     Z7816J
610 7850 BE 7B00    LDX     #Z7B00
611 7853 6E 9F 5B2B JMP     Z782B

```

INVCIA
— CODE
— code

```

613 7857 B6 EA3E    Z7857 LDA     >UNIT
614 785A B1 FF      CMPA    ##FF
615 785C 27 16      BEQ     Z7874
616 785E B1 40      CMPA    ##40
617 7860 25 0C      BCS     Z786E
618 7862 B6 EA6C    LDA     >EUA
619 7865 B7 EA3E    STA     >UNIT
620 7868 BD 7486    JSR     >Z7486
621 >786B BD 7BAD    JSR     >Z7BAD
622 >786E BD 7B8C    JSR     >Z7B8C
623 7871 27 03      BEQ     Z7876
624 7873 39          Z7873 RTS
625
626 7874 32 62      Z7874 LEAS    #02,S
627 7876 7F EA6B    Z7876 CLR     >BANK
628 7879 7F EC9F    CLR     >ZEC9F
629 787C BD 7400    JSR     >Z7400
630 787F BD 7486    JSR     >Z7486
631 7882 B6 EC9F    LDA     >ZEC9F
632 7885 BE 7B04    LDX     #Z7B04
633 7888 6E 9F 5B2B JMP     Z782B
634
635 788C 7F EC8D    Z788C CLR     >ZEC8D
636 788F 7F EC8E    CLR     >ZEC8E
637 7892 CC 0B0E    LDD     ##0B0E
638 7895 AD 9F 5B34 JSR     Z7834J
639 7899 B6 E900    LDA     >E900
640 789C 85 04      BITA    ##04
641 789E 27 03      BEQ     Z78A3
642 78A0 7C EC8D    INC     >ZEC8D
643 78A3 85 03      BITA    ##03
644 78A5 27 03      BEQ     Z78AA
645 78A7 7C EC8E    INC     >ZEC8E
646 78AA 84 03      ANDA    ##03
647 78AC 39          Z78AA RTS
648
649 78AD CC 0B07    Z78AD LDD     ##0B07
650 78B0 AD 9F 5B34 JSR     Z7834J
651 78B4 BE E900    LDX     >E900
652 78B7 A6 0B 2B   LDA     #2B,X

```

MACRO
Selected Component
Selected Component — Splitpoint
Pulso
Pulso
Imptable 601C

↑
hole
File Name Data var Wave
+ Bank Group A/B + Splitpoints

Multiaufigig Angabe
oder Splittpoint

```

653 788A B7 EC9F STA >ZEC9F
654 788D EC 88 29 LDD #29, X
655 78C0 FD EC9D STD >ZEC9D
656 78C3 10BE ECA0 LDY #ZEC90
657 78C7 C6 20 LDB #820
658 78C9 BD 7A36 JSR >Z7A36
659 78CC 10BE EC90 LDY #ZEC90
660 78D0 C6 07 LDB #807
661 78D2 BD 7A36 JSR >Z7A36
662 78D5 BE E900 LDX #ZE900
663 78D8 7F EA6B CLR >BANK
664 78DB 6D 84 TST , X
665 78DD 27 4B BEQ >Z792A
666 78DF BD 745D JSR >Z745D
667 78E2 5C INCB
668 78E3 AD 9F 5824 JSR [Z5824]
669 78E7 C6 54 LDB #54 "T"
670 78E9 A6 03 LDA #03, X
671 78EB 81 03 CMPA #03
672 78ED 27 06 BEQ >Z78F5
673 78EF 81 04 CMPA #04
674 78F1 27 02 BEQ >Z78F5
675 78F3 C6 43 LDB #43
676 78F5 1F 98 Z78F5 TFR B, A
677 78F7 AD 9F 5832 JSR [Z5832]
678 78FB C6 03 LDB #03
679 78FD 34 04 PSHS B
680 78FF A6 80 Z78FF LDA , X+
681 7901 81 30 CMPA #30
682 7903 24 04 BCC >Z7909
683 7905 86 3F LDA #3F
684 7907 20 06 BRA >Z790F
685
686 7909 81 39 Z7909 CMPA #39
687 790B 23 02 BLS >Z790F
688 790D 86 3F LDA #3F
689 790F AD 9F 5833 Z790F JSR [Z5832]
690 7913 6A E4 DEC , S
691 7915 26 E8 BNE >Z78FF
692 7917 32 61 LEAS #01, S
693 7919 30 01 LEAX #01, X
694 791B F6 EA6B Z791B LDB >BANK
695 791E 5C INCB
696 791F F7 EA6B STB >BANK
697 7922 C1 08 CMPB #08
698 7924 26 B5 BNE >Z790F
699 7926 7F EA6B CLR >BANK
700 7929 39 RTS
701
702 792A 30 04 Z792A LEAX #04, X
703 792C 20 ED BRA >Z791B

```

Bank/Unit Codierung

Bank
Belegung:
Ausgabe der
File Nummern
auf Page 0

```

705 792E 47 45 54 20 Z792E FCC "GET "
706 7932 04 FCB #04

```

```

707
708 7933 2E 55 53 52 Z7933 FCB ".USR"
709 7937 04 FCB #04
710
711 7938 BD 2D Z7938 BSR Z7967
712 793A 8E 4000 LDX #TENDE
713 793D 10BE E900 LDY #ZE900
714 7941 C6 40 LDB #40
715 7943 BD 7A36 JSR >Z7A36
716 7946 10BE E939 LDY #ZE939
717 794A 8E C085 LDX #ZC085
718 794D C6 03 LDB #03
719 794F BD 7A36 JSR >Z7A36
720 7952 B6 EA6B LDA >BANK
721 7955 B7 E950 STA >ZE950
722 7958 CC 0305 LDD #0305
723 795B AD 9F 5834 JSR (Z5B34)
724 795F 8E 2000 LDX #Z2000
725 7962 30 1F Z7962 LEAX -#01,X
726 7964 26 FC BNE Z7962
727 7966 39 RTS

```

Imptable 6022

vernetze x-y

Line Buffer 1. Nummer (GetwTdd)
072345

vernetze

} wait Loop

```

728
729 7967 8E 4000 Z7967 LDX #TENDE
730 796A BF EA24 STX >WALEND
731 796D 8E 0000 LDX #WAVBAS
732 7970 34 02 PSHS A
733 7972 B6 EA3E LDA >UNIT
734 7975 81 FF CMPA #FF
735 7977 26 02 BNE Z797B
736 7979 35 B2 PULS PC,A
737
738 797B 35 02 Z797B PULS A
739 797D 1F 13 TFR X,U
740 797F B7 E901 STA >ZE901
741 7982 B6 EA6B LDA >BANK
742 7985 48 ASLA
743 7986 48 ASLA
744 7987 48 ASLA
745 7988 48 ASLA
746 7989 48 ASLA
747 798A F6 EA2D LDB >MERK1
748 798D 5C INCB
749 798E 5A Z798E DECB
750 798F 27 04 BEQ Z7995
751 7991 BB 10 ADDA #10
752 7993 20 F9 BRA Z799E
753
754 7995 B7 E900 Z7995 STA >ZE900
755 7998 B6 01 LDA #01
756 799A C6 09 LDB #09
757 799C AD 9F 5834 JSR (Z5B34)
758 79A0 7D EA4A TST >EMAVE
759 79A3 27 01 BEQ Z79A6
760 79A5 39 RTS

```

Cooling Bank

761					
762	79A6	7D	EA76	Z79A6	TST >ZEA76
763	79A9	27	06		BEQ Z79B1
764	79AB	7F	EA76		CLR >ZEA76
765	79AE	32	62		LEAS #02,S
766	79B0	39			RTS
767					
768	79B1	86	FE	Z79B1	LDA #FE
769	79B3	E7	FD02		STA >PIA+2
770	79B6	B6	FD00		LDA >PIA
771	79B9	7D	FD01	Z79B9	TST >PIA+1
772	79BC	2A	FB		BPL Z79B9
773	79BE	86	80		LDA #80
774	79C0	4A		Z79C0	DECA
775	79C1	26	FD		BNE Z79C0
776	79C3	B6	FD00		LDA >PIA
777	79C6	7F	FD01		CLR >PIA+1
778	79C9	86	FF		LDA #FF
779	79CB	E7	FD00		STA >PIA
780	79CE	86	04		LDA #04
781	79D0	E7	FD01		STA >PIA+1
782	79D3	86	80		LDA #80
783	79D5	4A		Z79D5	DECA
784	79D6	26	FD		BNE Z79D5
785	79DB	1F	31		TFR U,X
786	79DA	7D	ECBD		TST >ZECBD
787	79DD	26	37		BNE Z79A16
788	79DF	A6	80	Z79DF	LDA #X
789	79E1	BD	1F		BSR Z79A02
790	79E3	BC	EA24		CMPX >WALEND
791	79E6	26	F7		BNE Z79DF
792	79EB	B6	FD00	Z79EB	LDA >PIA
793	79EB	7F	FD01		CLR >PIA+1
794	79EE	7F	FD00		CLR >PIA
795	79F1	86	04		LDA #04
796	79F3	B7	FD01		STA >PIA+1
797	79F6	86	FF		LDA #FF
798	79F8	B7	FD02		STA >PIA+2
799	79FB	F6	FD00		LDB >PIA
800	79FE	4A		Z79FE	DECA
801	79FF	26	FD		BNE Z79FE
802	7A01	39		Z7A01	RTS
803					
804	7A02	B7	FD00	Z7A02	STA >PIA
805	>7A05	BD	7A01		JSR >Z7A01
806	7A08	C6	34	Z7A08	LDB #34
807	7A0A	F7	FD03		STB >PIA+3
808	>7A0D	BD	7A01		JSR >Z7A01
809	7A10	C6	3C		LDB #3C
810	7A12	F7	FD03		STB >PIA+3
811	7A15	39			RTS
812					
813	7A16	B6	EA72	Z7A16	LDA >ZEA72
814	7A19	26	C4		BNE Z79DF

INIT Pias

Waveda?

Pause Loop

INIT Pias

Pause Loop

Transmit Loop

Reset Pias

Pause Loop

Subro: Transmit Byte

L

Transmit
8→12 Bit Transmits


```

815 7A1B A6 B0      Z7A1B LDA ,X+
816 7A1D 5F          CLR B
817 7A1E 44          LSRA
818 7A1F 56          RORB
819 7A20 44          LSRA
820 7A21 56          RORB
821 7A22 44          LSRA
822 7A23 56          RORB
823 7A24 44          LSRA
824 7A25 56          RORB
825 7A26 F7 FD00    STB >PIA
826 7A29 8D DD      BSR Z7A08
827 7A2B 8D D4      BSR Z7A01
828 7A2D 8D D3      BSR Z7A02
829 7A2F 8C EA24    CMPX >WLENDD
830 7A32 26 E7      BNE Z7A1B
831 7A34 20 B2      BRA Z79EB

```

Codiere 8 → 12 Bit

Transmit Byte B

FL Flanke

Time

Transmit Byte in Reg A

Reset Pias

```

832 7A36 A6 B0      Z7A36 LDA ,X+
833 7A38 A7 A0      STA ,Y+
835 7A3A 5A          DECB
836 7A3B 26 F9      BNE Z7A36
837 7A3D 39          RTS

```

Versetze Subtr
X → y, 3 Counter

```

838 * *****
840 7A3E 47 45 54 20 FCC "GET 0.W"
841 7A42 30 2E 57      FCB $04
842 7A45 04             FCB $04
843 7A46 52             FCC "R"
844 7A47 04             FCB $04
845 7A48 47 45 54 20    FCC "GET 0.B"
846 7A4C 30 2E 42      FCB $04
847 7A4F 04             FCB $04
848 * *****
849

```

```

850 7A50 53 45 4C 45    Z7A50 FCC "SELECTED COMPONENT: "

```

Text

```

851 7A54 43 54 45 44    FCB $04
852 7A58 20 43 4F 4D    FCB $04
853 7A5C 50 4F 4E 45    FCC "MULTI-SAMPLING: LOAD FROM H"
854 7A60 4E 54 3A 20    FCB $04
855 7A64 04             FCB $04
856 7A65 4D 55 4C 54    FCC "MULTI-SAMPLING: LOAD FROM H"
857 7A69 49 2D 53 41    FCB $04
858 7A6D 4D 50 4C 49    FCB $04
859 7A71 4E 47 3A 20    FCB $04
860 7A75 20 20 20 20    FCB $04
861 7A79 20 4C 4F 41    FCB $04
862 7A7D 44 20 46 52    FCB $04
863 7A81 4F 4D 20 48    FCB $04
864 7A85 44 55 3A 20    FCC "DU: SAVE ON HDU:"
865 7A89 20 20 20 20    FCB $04

```


Text

	7ABD 20 53 41 56			
	7A91 45 20 4F 4E			
	7A95 20 48 44 55			
	7A99 3A			
855	7A9A 04	FCB	#04	
856				
857	7A9B 47 52 4F 55	Z7A9B	FCC	"GROUP-ASSIGNMENT A = BANK #"
	7A9F 50 2D 41 53			
	7AA3 53 49 47 4E			
	7AA7 4D 45 4E 54			
	7AAB 20 41 20 3D			
	7AAF 20 42 41 4E			
	7AB3 48 20 23			
858	7AB6 04	FCB	#04	
859				
860	7AB7 20 20 42 20	Z7AB7	FCC	" B = BANK #"
	7ABB 3D 20 42 41			
	7ABF 4E 4B 20 23			
861	7AC3 04	FCB	#04	
862				
863	7AC4 151B	Z7AC4	FDB	Z151B
864	7AC6 EC9D		FDB	ZEC9D
865	7ACB 0007		FDB	Z0007
866	7ACA 0000		FDB	WAVBAS
867				
868	7ACC 1529	Z7ACC	FDB	Z1529
869	7ACE EC9E		FDB	ZEC9E
870	7AD0 0007		FDB	Z0007
871	7AD2 0000		FDB	WAVBAS
872				
873	7AD4 1424	Z7AD4	FDB	Z1424
874	7AD6 EA7B		FDB	ZE7B
875	7ADB 0063		FDB	Z0063
876	7ADA 0100		FDB	Z0100
877				
878	7ADC 1313	Z7ADC	FDB	Z1313
879	7ADE EA39		FDB	MERK3
880	7AE0 0007		FDB	Z0007
881	7AE2 0000		FDB	WAVBAS
882				
883	7AE4 1436	Z7AE4	FDB	Z1436
884	7AE6 EA79		FDB	ZE79
885	7AEB 0063		FDB	Z0063
886	7AEA 0100		FDB	Z0100
887	7AEC 0007		FDB	Z0007
888	7AEE EA6C		FDB	EVUA
889				
890	7AF0 0013	Z7AF0	FDB	Z0013
891	7AF2 EA3E		FDB	UNIT
892				
893	7AF4 0005	Z7AF4	FDB	Z0005
894	7AF6 EA3E		FDB	UNIT
895	7AFB 0206		FDB	Z0206
896	7AFA EA3E		FDB	UNIT

Transfer Coding

*Transfer
Codierung*

897
898 7AFC 0012
899 7AFE EA3E
900
901 7B00 0013
902 7B02 EA3E
903
904 7B04 0006
905 7B06 EA3E
906

Z7AFC FDB Z0012
FDB UNIT
Z7B00 FDB Z0013
FDB UNIT
Z7B04 FDB Z0006
FDB UNIT

907 7B08 BE 0000
908 7B0B B6 FCF4
909 7B0E 44
910 7B0F 24 FA
911 7B11 B6 FCF5
912 7B14 A7 80
913 7B16 BC 4000
914 7B19 26 F0
915 7B1B BE 0000
916 7B1E EC 84
917 7B20 44
918 7B21 56
919 7B22 44
920 7B23 56
921 7B24 44
922 7B25 56
923 7B26 44
924 7B27 56
925 7B28 1E 89
926 7B2A ED B1
927 7B2C BC 4000
928 7B2F 26 ED
929 7B31 39
930
931

Z7B08 LDX #WAVBAS
Z7B0B LDA >PIA2
LSRA
BCC Z7E0B
LDA >ZFCF5
STA ,X+
CMPX #TENDE
BNE Z7B0B
LDX #WAVBAS
Z7B1E LDD ,X
LSRA
RORB
LSRA
RORB
LSRA
RORB
EXG A,B
STD ,X++
CMPX #TENDE
BNE Z7B1E
MIS
END

*Subro 7B08
ACIA*

6.10.84

K BINA V2R3.3

BANK	00044	00172	00229	00273	00303	00397	00404	00406	00627	00663	00694
	00696	00699	00720	00741	00857	00860					
EVUA	00045	00223	00236	00618	00888						
INVFLB	00065	00184	00191	00282	00298	00321	00372				
KEY	00041	00595	00600								
LBUFR	00026	00386									
LPTER	00030	00387									
MERK1	00036	00242	00246	00359	00393	00747					
MERK2	00037	00297	00307								
MERK3	00038	00879									
PCRLF	00066	00152									
PDATA1	00067	00139	00154	00159	00198						
PHI	00043	00249	00252								
PIA	00070	00769	00770	00771	00776	00777	00779	00781	00792	00793	00794
	00796	00798	00799	00804	00807	00810	00825				
PIA2	00068	00908									
RAM73	00047	00220									
RAM75	00048	00433									
RAM77	00050	00448									
RESULT	00042	00267	00377	00380	00382						
SDFKEY	00064	00258	00418	00457	00572						
TENDE	00022	00712	00729	00913	00927						
TSWAVE	00040	00758									
UNIT	00039	00176	00199	00219	00226	00613	00619	00733	00891	00894	00896
	00899	00902	00905								
WALEND	00035	00730	00790	00829							
WASS2	00079										
WAVBAS	00007	00731	00866	00871	00881	00907	00915				
Z0005	00008	00893									
Z0006	00009	00904									
Z0007	00010	00865	00870	00880	00887						
Z0012	00011	00898									
Z0013	00012	00890	00901								
Z0063	00013	00875	00885								
Z0100	00014	00876	00886								
Z0206	00015	00895									
Z1313	00016	00878									
Z1424	00017	00873									
Z1436	00018	00883									
Z151B	00019	00863									
Z1529	00020	00868									
Z2000	00021	00724									
Z4037	00023	00358	00392								
Z403E	00024	00355	00391								
Z5B16	00081	00210	00429	00438	00604	00609					
Z5B18	00082	00317	00470								
Z5B1C	00083	00145	00151	00157	00162	00482					
Z5B24	00084	00137	00142	00148	00186	00196	00268	00378	00383	00416	00455
	00668										
Z5B2B	00085	00351	00408	00608	00611	00633					
Z5B30	00086	00187	00289	00320	00332	00379	00417	00427	00436	00443	
	00445	00456	00483	00508							
Z5B32	00087	00207	00376	00677	00689						
Z5B34	00088	00507	00608	00650	00723	00757					
Z5B36	00089	00301									
Z5B38	00090	00334									
Z5B3A	00091	00335	00389								
Z6002	00092	00079									
Z6020	00115	00548	00570	00585							
Z6024	00123	00434									
Z7400	00135	00232	00352	00629							
Z7450	00164	00129	00257	00374	00396	00405	00411				

Wavetorm

Page 0

Selected
Component

Z7B76	00627	00623		
Z7B8C	00635	00231	00622	
Z7BA3	00643	00641		
Z7BAA	00646	00644		
Z7BAD	00649	00112	00230	00621
Z7BDB	00664	00698		
Z7BF5	00676	00672	00674	
Z7BFF	00680	00691		
Z7909	00686	00682		
Z790F	00689	00684	00687	
Z791B	00694	00703		
Z792A	00702	00665		
Z792E	00705	00300		
Z7933	00708	00333		
Z7938	00711	00121	00360	00394
Z7962	00725	00726		
Z7967	00729	00244	00248	00711
Z797B	00738	00735		
Z798E	00749	00752		
Z7995	00754	00750		
Z79A6	00762	00759		
Z79B1	00768	00763		
Z79B9	00771	00772		
Z79C0	00774	00775		
Z79D5	00783	00784		
Z79DF	00788	00791	00814	
Z79EB	00792	00831		
Z79FE	00800	00801		
Z7A01	00802	00805	00808	00827
Z7A02	00804	00789	00828	
Z7A08	00806	00826		
Z7A16	00813	00787		
Z7A1B	00815	00830		
Z7A36	00833	00505	00658	00661 00715 00719 00836
Z7A50	00850	00197		
Z7A65	00853	00138		
Z7A9B	00857	00153		
Z7AB7	00860	00158		
Z7AC4	00863	00603		
Z7ACC	00868	00608		
Z7AD4	00873	00428		
Z7ADC	00878	00209		
Z7AE4	00883	00437		
Z7AF0	00890	00350		
Z7AF4	00893	00407		
Z7AFC	00898	00605		
Z7B00	00901	00610		
Z7B04	00904	00632		
Z7B08	00907	00239	00245	
Z7B0B	00908	00910	00914	
Z7B1E	00916	00928		
ZC0B4	00027	00385		
ZC0B5	00028	00717		
ZC0BC	00029	00388		
ZE900	00031	00342	00354	00502 00639 00651 00662 00713 00754
ZE901	00032	00740		
ZE939	00033	00716		
ZE950	00034	00721		
ZE972	00046	00241	00344	00357 00361 00365 00390 00813
ZE976	00049	00762	00764	
ZE97B	00051	00149	00431	00874
ZE97S	00052	00440	00884	
ZEC8D	00054	00635	00642	00786
ZECBE	00055	00340	00398	00451 00593 00636 00645
ZEC90	00056	00485	00503	00545 00553 00564 00580 00659
ZEC96	00057	00518		
ZEC97	00058	00526		

Info f. Transm. mit File Type

9.10.84

OPT PAG

* NAM GG.CMDV2R3.3 8.10.84

GG.CMD

V2

R3.3

Waveterm

Get Files

4000	TENDE	EQU	\$4000
4037	Z4037	EQU	\$4037
403E	Z403E	EQU	\$403E
5800	WASS1	EQU	\$5800
5818	INDEZO	EQU	\$5818
5820	INCHA	EQU	\$5820
5830	INVCH	EQU	\$5830
5832	OUTCX	EQU	\$5832
5834	SENDE	EQU	\$5834
5836	INBUF	EQU	\$5836
5838	INB2	EQU	\$5838
583A	DOS	EQU	\$583A
6B5A	Z6B5A	EQU	\$6B5A
7012	Z7012	EQU	\$7012
C080	LBUFR	EQU	\$C080
C084	ZC084	EQU	\$C084
C085	ZC085	EQU	\$C085
C086	ZC086	EQU	\$C086
C087	ZC087	EQU	\$C087
C088	ZC088	EQU	\$C088
C08C	ZC08C	EQU	\$C08C
C7C0	ZC7C0	EQU	\$C7C0
CC14	LPTR	EQU	\$CC14
E060	ZE060	EQU	\$E060
E0A0	ZE0A0	EQU	\$E0A0
E410	ZE410	EQU	\$E410
E900	ZE900	EQU	\$E900
E939	ZE939	EQU	\$E939
E950	ZE950	EQU	\$E950
EA2D	MERK1	EQU	\$EA2D
EA2E	MERK2	EQU	\$EA2E
EA36	ECHO	EQU	\$EA36
EA39	MERK3	EQU	\$EA39
EA3D	PAGEM	EQU	\$EA3D
EA3E	UNIT	EQU	\$EA3E
EA48	ZIFF	EQU	\$EA48
EA49	ALTZ	EQU	\$EA49
EA4A	TSWAVE	EQU	\$EA4A
EA68	TESTM	EQU	\$EA68
EA6B	BANK	EQU	\$EA6B
EA71	ZE71	EQU	\$EA71
EA72	ZE72	EQU	\$EA72
EB00	FILE	EQU	\$EB00
EB05	INESC	EQU	\$EB05
EB0C	STOR1	EQU	\$EB0C
EB0D	STOR2	EQU	\$EB0D
EB10	STOR3	EQU	\$EB10
EC85	MCHECK	EQU	\$EC85
EC90	ZEC90	EQU	\$EC90
ECA0	ZECA0	EQU	\$ECA0
ECC0	ZECC0	EQU	\$ECC0

```

59      ECE0 ZECE0 EQU  $ECE0
60      EE05 S0FKEY EQU  $EE05
61      F018 OUTCH EQU  $F018
62      F021 PCRLF EQU  $F021
63      F027 PDATA1 EQU  $F027
64      FFFF ZFFFF EQU  $FFFF
65
66      * *****
67      C118      ORG  $C118
68      * *****
69
70      C118 47 45 54 20 ZC118 FCC  "GET "
71      C11C 04      FCB  $04
72
73      C11D 2E 55 53 52 ZC11D FCC  ".USR"
74      C121 04      FCB  $04
75
76      C122 B6 EC85     ZC122 LDA  >MCHECK
77      C125 7D EB00     TST  >FILE
78      C128 27 02      BEQ  ZC12C
79      C12A 80 04      SUBA  #$04
80      C12C B7 EA3D     ZC12C STA  >PAGEM
81      C12F 1F 89      TFR  A,B
82      C131 5A      DECB
83      C132 58      ASLB
84      C133 8E 5800    LDX  #WASS1
85      C136 7D EB00     TST  >FILE
86      C139 27 03      BEQ  ZC13E
87      C13B 8E EB10     LDX  #STOR3
88      C13E 7F EA36     ZC13E CLR  >ECHO
89      C141 7F EB05     CLR  >INESC
90      C144 6E 95      JMP  [B,X]
91
92      C146 53 65 6C 65 ZC146 FCC  "Selected Component: "
93      C14A 63 74 65 64
94      C14E 20 43 6F 6D
95      C152 70 6F 6E 65
96      C156 6E 74 3A 20
97      C15A 04      FCB  $04
98
99      C15B BD F021     ZC15B JSR  >PCRLF
100     C15E AD 9F EE05  JSR  [SOFKEY]
101     C162 7D EA49     TST  >ALTZ
102     C165 27 4C      BEQ  ZC1B3
103     C167 8E C146     LDX  #ZC146
104     C16A BD F027     JSR  >PDATA1
105     C16D B6 EA3E     LDA  >UNIT
106     C170 44      LSRA
107     C171 44      LSRA
108     C172 44      LSRA
109     C173 44      LSRA
110     C174 8B 30      ADDA  #30
111     C176 AD 9F 5832  JSR  [OUTCX]
112     C17A AD 9F EE05  ZC17A JSR  [SOFKEY]

```

Einsprung

Selected Component

109	C17E	B1	14		CMFA	##14
110	C180	27	F8		BEQ	ZC17A
111	C182	B1	09		CMFA	##09
112	C184	23	2D		BLS	ZC1B3
113	C186	80	09		SUBA	##09
114	C188	B1	0A		CMFA	##0A
115	C18A	26	01		BNE	ZC18D
116	C18C	4F			CLRA	
117	C18D	108E	ECE0	ZC18D	LDY	#ZECE0
118	C191	E6	A6		LDB	A,Y
119	C193	C1	FF		CMFB	##FF
120	C195	27	E3		BEQ	ZC17A
121	C197	34	02		PSHS	A
122	C199	86	08		LDA	##08
123	C19B	AD	9F 5832		JSR	[OUTCX]
124	C19F	A6	E4		LDA	,S
125	C1A1	8B	30		ADDA	##30
126	C1A3	AD	9F 5832		JSR	[OUTCX]
127	C1A7	35	02		PULS	A
128	C1A9	48			ASLA	
129	C1AA	48			ASLA	
130	C1AB	48			ASLA	
131	C1AC	48			ASLA	
132	C1AD	B7	EA3E		STA	>UNIT
133	C1B0	BD	F021		JSR	>PCRLF
134	C1B3	86	04	ZC1B3	LDA	##04
135	C1B5	B7	C7C0		STA	>ZC7C0
136	C1B8	7F	EA39		CLR	>MERK3
137	C1BB	BD	C50B		JSR	>ZC50B
138	C1BE	B7	EA2E		STA	>MERK2
139	C1C1	8E	C6CA		LDX	#ZC6CA
140	C1C4	BD	F027		JSR	>PDAT1
141	C1C7	B6	EA2E		LDA	>MERK2
142	C1CA	AD	9F 5832		JSR	[OUTCX]
143	C1CE	AD	9F 5830		JSR	[INVCH]
144	C1D2	8E	C118		LDX	#ZC118
145	C1D5	AD	9F 5836		JSR	[INBUF]
146	C1D9	B6	EA2E		LDA	>MERK2
147	C1DC	A7	A0		STA	,Y+
148	C1DE	BD	C578		JSR	>ZC578
149	C1E1	8E	C11D		LDX	#ZC11D
150	C1E4	AD	9F 5838		JSR	[INB2]
151	C1E8	AD	9F 583A		JSR	[DOS]
152	C1EC	5D			TSTB	
153	C1ED	1026	01F9		LBNE	ZC3EA
154	C1F1	B6	EA2E		LDA	>MERK2
155	C1F4	8E	C20B		LDX	#ZC20B
156	C1F7	A1	80	ZC1F7	CMFA	,X+
157	C1F9	27	0B		BEQ	ZC206
158	C1FB	E6	1F		LDB	-#01,X
159	C1FD	30	02		LEAX	#02,X
160	C1FF	C1	FF		CMFB	##FF
161	C201	26	F4		BNE	ZC1F7
162	C203	16	01E4		LBRA	ZC3EA

File Act?

FILE NAME?

"Get"

Text eingabe

"USR"

File existient?

Command and Sprung TABLE

Finde Command

163					
164	C206 AD	94	ZC206	JSR	[,X]
165	C208 16	01DF		LBRA	ZC3EA
166					
167	C20B 53		<u>ZC20B</u>	FCC	"S"
168	C20C C22A			FDB	ZC22A
169					
170	C20E 44			FCC	"D"
171	C20F C234			FDB	ZC234
172					
173	C211 54			FCC	"T"
174	C212 C23B			FDB	ZC23B
175					
176	C214 43			FCC	"C"
177	C215 C23B			FDB	ZC23B
178					
179	C217 4B			FCC	"K"
180	C218 C26C			FDB	ZC26C
181					
182	C21A 4D			FCC	"M"
183	C21B C2B3			FDB	ZC2B3
184					
185	C21D 55			FCC	"U"
186	C21E C37D			FDB	ZC37D
187					
188	C220 45			FCC	"E"
189	C221 C3BE			FDB	ZC3BE
190					
191	C223 46			FCC	"F"
192	C224 C3DB			FDB	ZC3DB
193					
194	C226 50			FCC	"P"
195	C227 C3D7			FDB	ZC3D7
196					
197	C229 FF			FCB	#FF
198					
199	C22A 7D	EB00	ZC22A	TST	>FILE
200	C22D 27	04		BEQ	ZC233
201	C22F AD	9F 7012		JSR	[Z7012]
202	C233 39		ZC233	RTS	
203					
204	C234 CC	0500	ZC234	LDD	#0500
205	C237 6E	9F 5834		JMP	[SENDE]
206					
207	C23B 7F	EA6B	<u>ZC23B</u>	CLR	>BANK
208	C23E 7F	403E		CLR	>Z403E
209	C241 B6	C0B4		LDA	>ZC0B4
210	C244 B7	EA71		STA	>ZE471
211	C247 8E	C0B8		LDX	#ZC0B8
212	C24A 10BE	E939		LDY	#ZE939
213	C24E C6	03		LDB	#03
214	C250 A6	82	ZC250	LDA	, -X
215	C252 A7	A5		STA	B, Y
216	C254 5A			DECB	

Command and Spring Tabelle

← Dxxx Transmit to Wave

1. Transient
"T"
File No.
"T" in Stack
"C"

217	C255 26	F9	BNE	ZC250
218	C257 7F	EA2D	CLR	>MERK1
219	C25A 7F	EA72	CLR	>ZEA72
220	C25D B6	EA2E	LDA	>MERK2
221	C260 B1	43	CMPA	##43 "C"
222	C262 27	01	BEQ	ZC265
223	C264 39		RTS	
224				
225	C265 4F		<u>ZC265</u> CLR	
226	C266 F6	EA6B	LDB	>BANK
227	C269 7E	C434	JMP	>ZC434
228				
229	C26C B6	EA3E	ZC26C LDA	>UNIT
230	C26F 34	02	PSHS	A
231	C271 86	40	LDA	##40
232	C273 B7	EA3E	STA	>UNIT
233	C276 CC	0503	LDD	##0503
234	C279 AD	9F 5834	JSR	[SENDE]
235	C27D 35	02	PULS	A
236	C27F B7	EA3E	STA	>UNIT
237	C282 39		RTS	
238				
239	C283 B6	EA3E	<u>ZC283</u> LDA	>UNIT
240	C286 B1	30	CMPA	##30
241	C288 23	06	BLS	<u>ZC290</u>
242	C28A 8E	C6D9	LDX	##C6D9
243	C28D 7E	F027	JMP	>DATA1
244				
245	C290 7F	EA2E	<u>ZC290</u> CLR	>MERK2
246	C293 B6	C085	LDA	>ZC085
247	C296 34	02	PSHS	A
248	C298 B6	C086	LDA	>ZC086
249	C29B 34	02	PSHS	A
250	C29D B6	C087	LDA	>ZC087
251	C2A0 34	02	PSHS	A
252	C2A2 8E	EC90	LDX	##ZEC90
253	C2A5 108E	E900	LDY	##ZE900
254	C2A7 C6	10	LDB	##10
255	C2AB BD	C405	JSR	>ZC405
256	C2AE CC	0206	LDD	##0206
257	C2B1 AD	9F 5834	JSR	[SENDE]
258	C2B5 7D	E4A4	TST	>TSWAVE
259	C2B8 27	01	BEQ	<u>ZC2BB</u>
260	C2BA 39		RTS	
261				
262	C2BB 7F	E900	<u>ZC2BB</u> CLR	>ZE900
263	C2BE CC	0000	LDD	##0000
264	C2C1 AD	9F 5834	JSR	[SENDE]
265	C2C5 CE	ECA0	LDU	##ECA0
266	C2C8 11B3	ECC0	<u>ZC2C8</u> CMPI	##ECC0
267	C2CC 1024	0085	LBCD	ZC355
268	C2D0 8E	C118	LDX	##C118
269	C2D3 AD	9F 5836	JSR	[INBUF]
270	C2D7 C6	43	LDB	##43 "C"

COMPOUND

Multi Sound

"WRONG COMPONENT"

Rette Mxxx Nr. für Uxxx
File

Splitpoint

x → y

— Pointer auf Command Zeile

30xxx04xxx03
xxx03xxx03
000000

"Get" Fertig

Nächster Token C File

Hole Uxxx!

271	C2D9 A6	43	LDA	#03,U	
272	C2DB 27	02	BEQ	ZC2DF	ϕ_2 "C" oder "T" Type ?
273	C2DD C6	54	LDB	##54	
274	C2DF E7	A0	STB	,Y+	
275	C2E1 C6	03	LDB	##03	
276	C2E3 A6	C0	LDA	,U+	
277	C2E5 27	66	BEQ	ZC34D	ϕ_2 File Nummer nach 080 080
278	C2E7 A7	A0	STA	,Y+	3 Zahlen
279	C2E9 5A		DECB		
280	C2EA 26	F7	BNE	ZC2E3	
281	C2EC 33	41	LEAU	#01,U	
282	C2EE 8E	C11D	LDX	#ZC11D	"USA"
283	C2F1 AD	9F 5838	JSR	[INB2]	
284	C2F5 34	40	PSHS	U	
285	C2F7 AD	9F 583A	JSR	[DOS]	
286	C2FB 5D		TSTB		Dos Fehler Meldung ?
287	C2FC 26	47	BNE	ZC345	Fehler ENDE
288	C2FE B6	403E	LDA	>Z403E	
289	C301 84	03	ANDA	##03	
290	C303 B7	EA72	STA	>ZEA72	
291	C306 7F	EA2D	CLR	>MERK1	
292	C309 EE	E4	LDU	,S	"!"
293	C30B 86	21	LDA	##21	
294	C30D BD	F018	JSR	>DUTCH	
295	C310 F6	EA2E	LDB	>MERK2	
296	C313 A6	5F	LDA	-#01,U	
297	C315 BD	C434	JSR	>ZC434	TRANSMIT Band Nr., Sound, 2.3 Data
298	C318 7D	EA72	TST	>ZEA72	
299	C31B 27	28	BEQ	ZC345	ENDE
300	C31D 86	58	LDA	##58	"X" File Type Merker 403E
301	C31F B7	EA71	STA	>ZEA71	
302	C322 BD	C40D	JSR	>ZC40D	
303	C325 B6	EA72	LDA	>ZEA72	
304	C328 81	02	CMPA	##02	
305	C32A 26	19	BNE	ZC345	ENDE
306	C32C 86	59	LDA	##59	"y"
307	C32E BD	C40D	JSR	>ZC40D	
308	C331 86	5A	LDA	##5A	"z"
309	C333 B7	EA71	STA	>ZEA71	
310	C336 BD	C40D	JSR	>ZC40D	
311	C339 7C	EA2E	INC	>MERK2	
312	C33C 7C	EA2E	INC	>MERK2	
313	C33F 35	40	PULS	U	
314	C341 33	44	LEAU	#04,U	
315	C343 20	83	BRA	ZC2CB	
316					
317	C345 7C	EA2E	<u>ZC345</u> INC	>MERK2	
318	C348 35	40	PULS	U	
319	C34A 16	FF7B	LBRA	ZC2CB	
320					
321	C34D 33	43	<u>ZC34D</u> LEAU	#03,U	
322	C34F 7C	EA2E	INC	>MERK2	
323	C352 16	FF73	LBRA	ZC2CB	
324					

Dos Buffer
 3 Zahlen
 Dos Fehler Meldung ?
 Fehler ENDE
 TRANSMIT Band Nr., Sound, 2.3 Data
 File Type Merker 403E
 Transmit
 Band Zähler
 ENDE
 File Stack leer
 also Nächste Band

325	C355	35	02	ZC355	PULS	A
326	C357	B7	C0B7		STA	>ZC0B7
327	C35A	35	02		PULS	A
328	C35C	B7	C0B6		STA	>ZC0B6
329	C35F	35	02		PULS	A
330	C361	B7	C0B5		STA	>ZC0B5
331	C364	86	55		LDA	##55
332	C366	B7	C0B4		STA	>ZC0B4
333	C369	10B8	C0B0		LDY	#LBUFR
334	C36D	10BF	CC14		STY	>LPTER
335	C371	10B8	C0B0		LDY	#ZC0B0
336	C375	AD	9F 583A		JSR	[DOS]
337	C379	5D			TSTB	
338	C37A	27	01		BEQ	<u>ZC37D</u>
339	C37C	39			RTS	
340						
341	C37D	86	08		LDA	##08
342	C37F	34	02		PSHS	A
343	C381	6A	E4	ZC381	DEC	,S
344	C383	A6	E4		LDA	,S
345	C385	48			ASLA	
346	C386	48			ASLA	
347	C387	10B8	ECA0		LDY	#ZECA0
348	C38B	6D	A6		TST	A,Y
349	C38D	27	28		BEQ	ZC3B7
350	C38F	A6	E4		LDA	,S
351	C391	B7	E900		STA	>ZE900
352	C394	CC	0005		LDD	##0005
353	C397	AD	9F 5834		JSR	[SENDE]
354	C39B	A6	E4		LDA	,S
355	C39D	C6	40		LDB	##40
356	C39F	3D			MUL	
357	C3A0	1F	01		TFR	D,X
358	C3A2	10B8	E900		LDY	#ZE900
359	C3A6	C6	40		LDB	##40
360	>C3A8	BD	C405		JSR	>ZC405
361	C3AB	A6	E4		LDA	,S
362	C3AD	B7	E950		STA	>ZE950
363	C3B0	CC	0305		LDD	##0305
364	C3B3	AD	9F 5834		JSR	[SENDE]
365	C3B7	6D	E4	ZC3B7	TST	,S
366	C3B9	26	C6		BNE	ZC3B1
367	C3BB	32	61		LEAS	#01,S
368	C3BD	39			RTS	
369						
370	C3BE	BE	4000	ZC3BE	LDX	#TENDE
371	C3C1	10B8	E060		LDY	#ZE060
372	C3C5	C6	40		LDB	##40
373	C3C7	8D	3C		BSR	ZC405
374	C3C9	10B8	E0A0		LDY	#ZE0A0
375	C3CD	C6	2C		LDB	##2C
376	C3CF	8D	34		BSR	ZC405
377	C3D1	86	55		LDA	##55
378	C3D3	B7	EA68		STA	>TESTM

NR
Hole M x x x zurück
"U"

File vorhanden ?

U x x x

Transmit Multi-Parameter

Multi Command
File Namen
Pointer auf M x x x 0 x x x 03

Bank Nr. x x x 03 x x x 03
0 0 0 0 0 0 0 0 0 0

1 Byte übertragen
Wave 2.3 Data Block vom Transmitter

Start Adresse des dazugehörigen

x → y
Wavetraces
Wavetraces sind:
U x x x Files!

0 0 0 0 } 0 2 0 0
4 0 } 0
8 0 } 1
C 0 } 2
1 0 } 3
7 4 0 } 4
1 8 0 } 5
1 C 0 } 6
2 0 0 } 7


```

379 C3D6 39          RTS
380
381 C3D7 7F EA68      ZC3D7 CLR    >TESTM
382 C3DA 39          RTS
383
384 C3DB 86 B0        ZC3DB LDA    ##B0
385 C3DD B7 EB0C      STA    >STOR1
386 C3E0 7F EA49      CLR    >ALTZ
387 C3E3 8E E410      LDX    #ZE410
388 C3E6 BF EB0D      STX    >STOR2
389 C3E9 39          RTS
390
391 C3EA B6 C7C0      [ZC3EA] LDA    >ZC7C0
392 C3ED 81 04        CMPA   ##04
393 C3EF 27 0F        BEQ    ZC400
394 C3F1 BD F021      JSR    >PCRLF
395 C3F4 BD F021      JSR    >PCRLF
396 C3F7 8E C7C0      LDX    #ZC7C0
397 C3FA BD F027      JSR    >PDAT1
398 C3FD BD F021      JSR    >PCRLF
399 C400 1C FE        ZC400 ANDCC  ##FE
400 C402 32 62        LEAS   $02,S
401 C404 39          RTS
402
403 C405 A6 B0        ZC405 LDA    ,X+
404 C407 A7 A0        STA    ,Y+
405 C409 5A          DECB
406 C40A 26 F9        BNE    ZC405
407 C40C 39          RTS
408
409 C40D B7 C084      [ZC40D] STA    >ZC084
410 C410 10BE C080     LDY    #LBUFR
411 C414 10BF CC14     STY    >LPTER
412 C418 10BE C08C     LDY    #ZC08C
413 C41C AD 9F 583A    JSR    [DOS]
414 C420 B6 EA72      LDA    [ZEA72]
415 C423 B7 403E      STA    [Z403E]
416 C426 B6 2E        LDA    ##2E
417 C428 BD F018      JSR    >OUTCH
418 C42B B6 4037      LDA    >Z4037
419 C42E 7C EA2D      INC    >MERK1
420 C431 F6 EA2E      LDB    >MERK2
421 C434 F7 EA6B      STB    >BANK
422 C437 AD 9F 6B5A    JSR    [Z6B5A]
423 C43B 8E 4000      LDX    #TENDE
424 C43E 10BE E900     LDY    #ZE900
425 C442 C6 40        LDB    #40
426 >C444 BD C405      JSR    >ZC405
427 C447 10BE E939     LDY    #ZE939
428 C44B 8E C085      LDX    #ZC085
429 C44E C6 03        LDB    ##03
430 >C450 BD C405      JSR    >ZC405
431 C453 B6 EA6B      LDA    >BANK
432 C456 B7 E950      STA    >ZE950

```

Return

2. Sound "X"

Mode

imm W. Bin

Transmit 1. (Bank Nr.) 2. Sound

4000-4040 X → Y E300-E940

Code File Nr. ins Stack

versata

C 0 8 0

T
X
Y
Z

File Nr.

0 1 2 3 4 5 6 7

GET_W1. Sound
"T"

433	C459 CC 0305	LDD	#0305
434	C45C 6E 9F 5834	JMP	[SENDE]
435			
436	C460 C5D8	FDB	ZC5D8
437	C462 43 30 30 30	FCC	"C0000 403F"
	C466 30 20 34 30		
	C46A 33 46		
438	C46C 04	FCB	\$04
439	C46D C5	FCB	\$C5
440	C46E C2	FCB	\$C2
441	C46F 54 30 30 30	FCC	"T0000 403F"
	C473 30 20 34 30		
	C477 33 46		
442	C479 04	FCB	\$04
443	C47A C5	FCB	\$C5
444	C47B EE	FCB	\$EE
445	C47C 4D 45 43 39	FCC	"MEC90 ECDF"
	C480 30 20 45 43		
	C484 44 46		
446	C486 04	FCB	\$04
447	C487 C6	FCB	\$C6
448	C488 04	FCB	\$04
449	C489 45 30 30 30	FCC	"E0000 407F"
	C48D 30 20 34 30		
	C491 37 46		
450	C493 04	FCB	\$04
451	C494 C6	FCB	\$C6
452	C495 1A	FCB	\$1A
453	C496 52 45 32 32	FCC	"RE220 E5FF"
	C49A 30 20 45 35		
	C49E 46 46		
454	C4A0 04	FCB	\$04
455	C4A1 C6	FCB	\$C6
456	C4A2 30 53 46 46	FCC	"06FFFF FFFF"
	C4A6 46 46 20 46		
	C4AA 46 46 46		
457	C4AD 04	FCB	\$04
458	C4AE C6	FCB	\$C6
459	C4AF 46 4C 30 30	FCC	"FL0000 1FFF"
	C4B3 30 30 20 31		
	C4B7 46 46 46		
460	C4BA 04	FCB	\$04
461	C4BB C6	FCB	\$C6
462	C4BC 5C 50 45 32	FCC	"\PE220 E400"
	C4C0 32 30 20 45		
	C4C4 34 30 30		
463	C4C7 04	FCB	\$04
464	C4C8 C5	FCB	\$C5
465	C4C9 AC	FCB	\$AC
466	C4CA 57 34 31 30	FCC	"W4100 57FF"
	C4CE 30 20 35 37		
	C4D2 46 46		
467	C4D4 04	FCB	\$04
468	C4D5 C6	FCB	\$C6

*Transmit 2.3 Data 100 Bytes
ab E900
TxT were copyed?*

TxT Address: Transient Sound?

469	C4D6 72 44 30 30	FCC	"rD0000 2C00"
	C4DA 30 30 20 32		
	C4DE 43 30 30		
470	C4E1 04	FCB	#04
471	C4E2 C6	FCB	#C6
472	C4E3 88	FCB	#88
473	C4E4 4B 30 30 30	FCC	"K0000 0500"
	C4E8 30 20 30 35		
	C4EC 30 30		
474	C4EE 04	FCB	#04
475	C4EF C6	FCB	#C6
476	C4F0 9E	FCB	#9E
477	C4F1 55 30 30 30	FCC	"U0000 0200"
	C4F5 30 20 30 32		
	C4F9 30 30		
478	C4FB 04	FCB	#04
479	C4FC C6	FCB	#C6
480	C4FD B4	FCB	#B4
481	C4FE 46 45 34 31	FCC	"FE410 E9FF"
	C502 30 20 45 39		
	C506 46 46		
482	C508 04	FCB	#04
483	C509 FFFF	FDB	ZFFFF
484			
485	C50B 10BE C460	<u>ZC50B</u> LDY	#ZC460
486	C50F 20 03	BRA	<u>ZC514</u>
487			
488	C511 BD F021	<u>ZC511</u> JSR	>PCRLF
489	C514 86 0D	<u>ZC514</u> LDA	##0D
490	C516 AD 9F 5832	JSR	[OUTCX]
491	C51A AE A4	LDX	,Y
492	C51C 31 2D	LEAY	#0D,Y
493	C51E 8C FFFF	CMPX	#ZFFFF
494	C521 1027 FBFD	LBEO	ZC122
495	C525 BD F027	JSR	>PDAT1
496	>C528 BD C567	JSR	>ZC567
497	C52B 24 E7	BCC	ZC514
498	>C52D BD C599	JSR	>ZC599
499	>C530 BD C599	JSR	>ZC599
500	C533 A6 35	LDA	-#0B,Y
501	C535 7D EB00	TST	>FILE
502	C538 26 01	BNE	<u>ZC53B</u>
503	C53A 39	<u>ZC53A</u> RTS	
504			
505	C53B 81 45	<u>ZC53B</u> CMPA	##45 "E"
506	C53D 27 FB	BEQ	ZC53A
507	C53F 81 50	CMPA	##50 "P"
508	C541 27 F7	BEQ	ZC53A
509	C543 81 53	CMPA	##53 "S"
510	C545 27 F3	BEQ	ZC53A
511	C547 8E C54F	LDX	#ZC54F
512	C54A BD F027	JSR	>PDAT1
513	C54D 20 C2	BRA	ZC511
514			

File Ant Table

Space out

"NOT USEFUL in Page 5"

515	C54F 0D	ZC54F	FCB	\$0D
516	C550 4E 6F 74 20		FCC	"Not useful in Page 5 !"
	C554 75 73 65 66			
	C558 75 6C 20 69			
	C55C 6E 20 50 61			
	C560 67 65 20 35			
	C564 20 21			
517	C566 04		FCB	\$04
518				
519	C567 7F EA36	ZC567	CLR	>ECHO
520	C56A AD 9F 5820		JSR	[INCHA]
521	C56E 81 04		CMFA	##04
522	C570 25 03		BCS	ZC575
523	C572 1C FE		ANDCC	##FE
524	C574 39		RTS	
525				
526	C575 1A 01	ZC575	ORCC	##01
527	C577 39		RTS	
528				
529	C578 86 03	ZC578	LDA	##03
530	C57A 34 02		PSHS	A
531	C57C 5F	ZC57C	CLRB	
532	C57D 7C EA36		INC	>ECHO
533	C580 AD 9F 5818		JSR	[INDEZ0]
534	C584 81 FF		CMFA	##FF
535	C586 27 17		BEG	ZC59F
536	C588 8B 30		ADDA	##30
537	C58A A7 A0		STA	,Y+
538	C58C 6A E4		DEC	,S
539	C58E 26 EC		BNE	ZC57C
540	C590 32 61		LEAS	\$01,S
541	C592 AD 9F 5830		JSR	[INVCH]
542	C596 7F EA36		CLR	>ECHO
543	C599 86 20	ZC599	LDA	##20
544	C59B 6E 9F 5832		JMP	[OUTCX]
545				
546	C59F 7F EA48	ZC59F	CLR	>ZIFF
547	C5A2 AD 9F 5830		JSR	[INVCH]
548	C5A6 7F EA36		CLR	>ECHO
549	C5A9 32 63		LEAS	\$03,S
550	C5AB 39		RTS	
551				
552	C5AC 53 50 45 43		FCC	"SPECT.+ WAVETB. <W> ?"
	C5B0 54 2E 2B 20			
	C5B4 57 41 56 45			
	C5B8 54 42 2E 20			
	C5BC 3C 57 3E 20			
	C5C0 3F			
553	C5C1 04		FCB	\$04
554	C5C2 54 52 41 4E		FCC	"TRANSIENT SOUND <T> ?"
	C5C6 53 49 45 4E			
	C5CA 54 20 53 4F			
	C5CE 55 4E 44 20			
	C5D2 3C 54 3E 20			

	C5D6 3F			
555	C5D7 04	FCB	#04	
556				
557	C5D8 57 41 56 45	ZC5D8	FCC	"WAVE-COMPOUND <C> ?"
	C5DC 2D 43 4F 4D			
	C5E0 50 4F 55 4E			
	C5E4 44 20 20 20			
	C5E8 3C 43 3E 20			
	C5EC 3F			
558	C5ED 04	FCB	#04	
559	C5EE 4D 55 4C 54	FCC	"MULTI-SAMPLING <M> ?"	
	C5F2 49 2D 53 41			
	C5F6 4D 50 4C 49			
	C5FA 4E 47 20 20			
	C5FE 3C 4D 3E 20			
	C602 3F			
560	C603 04	FCB	#04	
561	C604 45 56 45 4E	FCC	"EVENT TABLES <E> ?"	
	C608 54 20 54 41			
	C60C 42 4C 45 53			
	C610 20 20 20 20			
	C614 3C 45 3E 20			
	C618 3F			
562	C619 04	FCB	#04	
563	C61A 52 45 53 4F	FCC	"RESONATOR <R> ?"	
	C61E 4E 41 54 4F			
	C622 52 20 20 20			
	C626 20 20 20 20			
	C62A 3C 52 3E 20			
	C62E 3F			
564	C62F 04	FCB	#04	
565	C630 53 49 4E 47	FCC	"SINGLE SEQUENCE <S> ?"	
	C634 4C 45 20 53			
	C638 45 51 55 45			
	C63C 4E 43 45 20			
	C640 3C 53 3E 20			
	C644 3F			
566	C645 04	FCB	#04	
567	C646 4C 4F 57 45	FCC	"LOWER WAVETABLE <L> ?"	
	C64A 52 20 57 41			
	C64E 56 45 54 41			
	C652 42 4C 45 20			
	C656 3C 4C 3E 20			
	C65A 3F			
568	C65B 04	FCB	#04	
569	C65C 50 4C 41 59	FCC	"PLAY COMMAND <P> ?"	
	C660 20 43 4F 4D			
	C664 4D 41 4E 44			
	C668 20 20 20 20			
	C66C 3C 50 3E 20			
	C670 3F			
570	C671 04	FCB	#04	
571	C672 50 52 4F 47	FCC	"PROG./SEQU.DATA <D> ?"	
	C676 2E 2F 53 45			

	C67A 51 55 2E 44		
	C67E 41 54 41 20		
	C682 3C 44 3E 20		
	C686 3F		
572	C687 04	FCB	\$04
573	C688 50 52 4B 20	FCC	"PRK PROG. DATA <K> ?"
	C68C 50 52 4F 47		
	C690 2E 20 20 44		
	C694 41 54 41 20		
	C698 3C 4B 3E 20		
	C69C 3F		
574	C69D 04	FCB	\$04
575	C69E 4D 55 4C 54	FCC	"MULTSMPL-UPDATE <U> ?"
	C6A2 53 4D 50 4C		
	C6A6 2D 55 50 44		
	C6AA 41 54 45 20		
	C6AE 3C 55 3E 20		
	C6B2 3F		
576	C6B3 04	FCB	\$04
577	C6B4 53 4F 46 54	FCC	"SOFTKEY RECORD <F> ?"
	C6B8 4B 45 59 20		
	C6BC 52 45 43 4F		
	C6C0 52 44 20 20		
	C6C4 3C 46 3E 20		
	C6C8 3F		
578	C6C9 04	FCB	\$04
579			
580	C6CA 46 49 4C 45	ZC6CA FCC	"FILE-NAME ? : "
	C6CE 2D 4E 41 4D		
	C6D2 45 20 3F 20		
	C6D6 3A 20		
581	C6D8 04	FCB	\$04
582			
583	C6D9 57 52 4F 4E	ZC6D9 FCC	"WRONG COMPONENT!"
	C6DD 47 20 43 4F		
	C6E1 4D 50 4F 4E		
	C6E5 45 4E 54 21		
584	C6E9 0A	FCB	\$0A
585	C6EA 0D	FCB	\$0D
586	C6EB 04	FCB	\$04
587			
588		END	ZC15B

0 ERROR(S) DETECTED

SYMBOL TABLE:

ALTZ	EA49	BANK	EA6B	DOS	5B3A	ECHO	EA36	FILE	EB00
INB2	5B3B	INBUF	5B36	INCHA	5B20	INDEXD	5B18	INESC	EB05
INVCH	5B30	LBUFFR	C0B0	LPTR	CC14	MCHECK	ECB5	MERK1	EA2D
MERK2	EA2E	MERK3	EA39	QUTCH	F01B	QUTCX	5B32	PAGEM	EA3D
PCRLF	F021	PDATA1	F027	SENDE	5B34	SOFKEY	EE05	STOR1	EB0C
STOR2	EB0D	STOR3	EB10	TENDE	4000	TESTM	EA68	TSWAVE	EA4A
UNIT	EA3E	WASS1	5B00	Z4037	4037	Z403E	403E	Z6B5A	6B5A
Z7012	7012	ZC0B4	C0B4	ZC0B5	C0B5	ZC0B6	C0B6	ZC0B7	C0B7
ZC0B8	C0B8	ZC0B8	C0B8	ZC118	C118	ZC11D	C11D	ZC122	C122
ZC12C	C12C	ZC13E	C13E	ZC146	C146	ZC15B	C15B	ZC17A	C17A
ZC18D	C18D	ZC1B3	C1B3	ZC1F7	C1F7	ZC206	C206	ZC20B	C20B
ZC22A	C22A	ZC233	C233	ZC234	C234	ZC23B	C23B	ZC250	C250
ZC265	C265	ZC26C	C26C	ZC2B3	C2B3	ZC290	C290	ZC2BB	C2BB
ZC2C8	C2C8	ZC2DF	C2DF	ZC2E3	C2E3	ZC345	C345	ZC34D	C34D
ZC355	C355	ZC37D	C37D	ZC3B1	C3B1	ZC3B7	C3B7	ZC3BE	C3BE
ZC3D7	C3D7	ZC3DB	C3DB	ZC3EA	C3EA	ZC400	C400	ZC405	C405
ZC40D	C40D	ZC434	C434	ZC460	C460	ZC50B	C50B	ZC511	C511
ZC514	C514	ZC53A	C53A	ZC53B	C53B	ZC54F	C54F	ZC567	C567
ZC575	C575	ZC578	C578	ZC57C	C57C	ZC599	C599	ZC59F	C59F
ZC5D8	C5D8	ZC6CA	C6CA	ZC6D9	C6D9	ZC7C0	C7C0	ZE060	E060
ZE0A0	E0A0	ZE410	E410	ZE900	E900	ZE939	E939	ZE950	E950
ZE471	EA71	ZE472	EA72	ZEC90	EC90	ZECA0	ECA0	ZECC0	ECC0
ZECE0	ECE0	ZFFFF	FFFF	ZIFF	EA48				

9.10.84

GG.cnd

V2

R 3.3

Waveterm

Get Files
all

ALTZ	00044	00097	00386						
BANK	00047	00207	00226	00421	00431				
DOS	00018	00151	00285	00336	00413				
ECHO	00039	00088	00519	00532	00542	00548			
FILE	00050	00077	00085	00199	00501	00580			
INB2	00017	00150	00283						
INBUF	00016	00145	00269						
INCHA	00012	00520							
INDEZO	00011	00533							
INESC	00051	00089							
INVCH	00013	00143	00541	00547					
LBUFR	00021	00333	00410						
LPTR	00030	00334	00411						
MCHECK	00055	00076							
MERK1	00037	00218	00291	00419					
MERK2	00038	00138	00141	00146	00154	00220	00245	00295	00311
	00322	00420							
MERK3	00040	00136							
OUTCH	00061	00294	00417						
OUTCX	00014	00107	00123	00126	00142	00490	00544		
PAGEM	00041	00080							
PCRLF	00062	00095	00133	00394	00395	00398	00488		
PDAT1	00063	00100	00140	00243	00397	00495	00512		
SENDE	00015	00205	00234	00257	00264	00353	00364	00434	
SOFKEY	00060	00096	00108						
STDR1	00052	00385							
STDR2	00053	00388							
STDR3	00054	00087							
TENDE	00007	00370	00423						
TESTM	00046	00378	00381						
TSWAVE	00045	00258							
UNIT	00042	00101	00132	00229	00232	00236	00239		
WASS1	00010	00084							
Z4037	00008	00418							
Z403E	00009	00208	00288	00415					
Z6B5A	00019	00422							
Z7012	00020	00201							
ZC084	00022	00209	00332	00409					
ZC085	00023	00246	00330	00428					
ZC086	00024	00248	00328						
ZC087	00025	00250	00326						
ZC088	00026	00211							
ZC08C	00027	00335	00412						
ZC118	00070	00144	00268						
ZC11D	00073	00149	00282						
ZC122	00076	00494							
ZC12C	00080	00078							
ZC13E	00088	00086							
ZC146	00092	00099							
ZC15B	00095	00588							
ZC17A	00108	00110	00120						
ZC18D	00117	00115							
ZC1B3	00134	00098	00112						
ZC1F7	00156	00161							
ZC206	00164	00157							
ZC20B	00167	00155							
ZC22A	00199	00168							
ZC233	00202	00200							
ZC234	00204	00171							
ZC23B	00207	00174	00177						
ZC250	00214	00217							
ZC265	00225	00222							
ZC26C	00229	00180							
ZC283	00239	00183							
ZC290	00245	00241							

ZC2BB	00262	00259							
ZC2C8	00266	00315	00319	00323					
ZC2DF	00274	00272							
ZC2E3	00276	00280							
ZC345	00317	00287	00299	00305					
ZC34D	00321	00277							
ZC355	00325	00267							
ZC37D	00341	00186	00338						
ZC381	00343	00366							
ZC3B7	00365	00349							
ZC3BE	00370	00189							
ZC3D7	00381	00195							
ZC3DB	00384	00192							
ZC3EA	00391	00153	00162	00165					
ZC400	00399	00393							
ZC405	00403	00255	00360	00373	00376	00406	00426	00430	
ZC40D	00409	00302	00307	00310					
ZC434	00421	00227	00297						
ZC460	00436	00485							
ZC50B	00485	00137							
ZC511	00488	00513							
ZC514	00489	00486	00497						
ZC53A	00503	00506	00508	00510					
ZC53B	00505	00502							
ZC54F	00515	00511							
ZC567	00519	00496							
ZC575	00526	00522							
ZC578	00529	00148							
ZC57C	00531	00539							
ZC599	00543	00498	00499						
ZC59F	00546	00535							
ZC5D8	00557	00436							
ZC6CA	00580	00139							
ZC6D9	00583	00242							
ZC7C0	00029	00135	00391	00396					
ZE060	00031	00371							
ZE0A0	00032	00374							
ZE410	00033	00387							
ZE900	00034	00253	00262	00351	00358	00424			
ZE939	00035	00212	00427						
ZE950	00036	00362	00432						
ZE471	00048	00210	00301	00309					
ZE472	00049	00219	00290	00298	00303	00414			
ZEC90	00056	00252							
ZECA0	00057	00265	00347						
ZEC00	00058	00266							
ZECE0	00059	00117							
ZFFFF	00064	00483	00493						
ZIFFF	00043	00546							

	OPT	PAG
0000- WAVBAS	EQU	\$0000
0008 WAVXB	EQU	\$0008
000C WAVXC	EQU	\$000C
0010 WAV10	EQU	\$0010
0014 WAV14	EQU	\$0014
01FF WX1FF	EQU	\$01FF
07D0 WX7D0	EQU	\$07D0
0800 WX800	EQU	\$0800
08BF WX8BF	EQU	\$08BF
1000 W1000	EQU	\$1000
1034 W1034	EQU	\$1034
1400 W1400	EQU	\$1400
2C00 W2C00	EQU	\$2C00
3000 W3000	EQU	\$3000
3C01 W3C01	EQU	\$3C01
4000 TENDE	EQU	\$4000
5800 WASS1	EQU	\$5800
580A WASS2	EQU	\$580A
6003 TAXA1	EQU	\$6003
7F00 TAXA2	EQU	\$7F00
C080 LBUFR	EQU	\$C080
CC14 LPTER	EQU	\$CC14
CC20 D0SER	EQU	\$CC20
CD00 FLEX	EQU	\$CD00
CD48 DOCMND	EQU	\$CD48
D403 FMSCLS	EQU	\$D403
DF00 DRIVER	EQU	\$DF00
E000 ZE000	EQU	\$E000
E900 ZE900	EQU	\$E900
*RAMANF	EQU	*EA10
EB10 STOR3	EQU	*EB10
EE04 STOR4	EQU	*EE04
EE05 S0FKEY	EQU	*EE05
EE09 STOR5	EQU	*EE09
EF00 STOR6	EQU	*EF00
EF04 STOR7	EQU	*EF04
EF05 XKOR	EQU	*EF05
EF07 YKOR	EQU	*EF07
EF0E INVFLB	EQU	*EF0E
F018 OUTCH	EQU	*F018
F027 PDATA1	EQU	*F027
FCF0 KEYB0	EQU	*FCF0
FCF1 KEYB8	EQU	*FCF1
FCFA PIAA	EQU	*FCFA
FD00 PIA	EQU	*FD00
*PIA+1	EQU	*FD01
*PIA+2	EQU	*FD02
FF05 INVSF	EQU	*FF05

V.CMD

V2 R3.3

5.OCT 1984

Waveterm

Keyboard (Tastatur extn)
SoftKey FCF.A, B
Bus PPG

CONTROL
FCF4 ACIA
FCF5 Data

PIA FCF8
FCF9 PPG Wandler
FCFA

272	581E 5AAC	FDB	OUTHUN	
273	5820 587D	FDB	INCHA	
274	5822 5804	FDB	SETOUT	
275	5824 5AE7	FDB	SECUR	
276	5826 59B0	FDB	INPOS1	
277	5828 5D8F	FDB	TEXAE	<i>Sende Nr. 2</i>
278	582A 584A	FDB	TASHEL	
279	582C 5913	FDB	EINGAB	
280	582E 5CEF	FDB	KEYOUT	
281	5830 5984	FDB	INVCH	
282	5832 5871	FDB	OUTCX	
283	5834 5DE6	FDB	SENDE	<i>Sende Nr. 1</i>
284	5836 5900	FDB	INBUF	
285	5838 5908	FDB	INB2	
286	583A 58E9	FDB	DOS	
287	583C 5D9C	FDB	SENTST	

288

289

290

* *****

291	583E 86 01	START	LDA	##01
292	5840 87 EE04		STA	>STOR4
293	5843 8E 5BD1		LDX	##SOFT1
294	5846 8F EE05		STX	>SOFKEY
295	5849 86 EE07		LDA	>STOR5
296	584C 81 55		CMPA	##55
297	584E 27 1A		BEQ	GETTCMD
298	5850 86 55		LDA	##55
299	5852 87 EE07		STA	>STOR5
300	5855 7F EB0C		CLR	>STOR1
301	5858 8E 0000		LDX	##WAVBAS
302	585B 86 80		LDA	##80
303	585D A7 80	LOOP1	STA	,X+
304	585F 8C 4000		CMPX	##TENDE
305	5862 26 F9		BNE	LOOP1
306	5864 8E 5870		LDX	##XGETX
307	5867 8D 5D4A		JSR	>STORE
308	586A 8E 5878	GETTCMD	LDX	##XTCMD
309	586D 7E 5D4A		JMP	>STORE

310

311

312

* *****

313	5870 47 45 54 20	XGETX	FCC	"GET 0,X"
	5874 30 2E 58			
314	5877 04		FCB	##04
315				
316	5878 54	XTCMD	FCC	"T"
317	5879 04		FCB	##04
318				
319	587A 10CE EF00	INITAS	LDS	##STOR6
320	587E 86 01		LDA	##01
321	5880 87 EF0E		STA	>INVFLG
322	5883 7F EA36		CLR	>ECHO
323	5886 7F EA48		CLR	>ZIFF
324	5889 8D 587D		JSR	>INCHA

379	58F5	BD	D403		JSR	>FMSCLS
380	58F8	7F	CC20		CLR	>DOSER
381	58FB	35	04		PULS	B
382	58FD	1A	10	DOS1	ORCC	##10
383	58FF	39			RTS	
384						
385	5900	10BE	C0B0	INBUF	LDY	#LBUFR
386	5904	10BF	CC14		STY	>LPTER
387	5908	A6	80	INB2	LDA	,X+
388	590A	81	04		CMPA	##04
389	590C	27	04		BEQ	INB1
390	590E	A7	A0		STA	,Y+
391	5910	20	F6		BRA	INB2
392						
393	5912	39		INB1	RTS	
394						
395	5913	5F		EINGAB	CLRB	
396	5914	7F	EB04		CLR	>INPENS
397	5917	86	09		LDA	##09
398	5919	BD	5A43		JSR	>INDEZO
399	591C	81	FF		CMPA	##FF
400	591E	26	01		BNE	NEUINI
401	5920	39			RTS	
402						
403	5921	4D		NEUINI	TSTA	
404	5922	1027	FF18		LBEQ	START
405	5926	81	09		CMPA	##09
406	5928	27	34		BEQ	DELET
407	592A	81	05		CMPA	##05
408	592C	22	29		BHI	ININEU
409	592E	27	3A		BEQ	ININE1
410	5930	7D	EB00		TST	>FILE
411	5933	27	0F		BEQ	VERSAZ
412	5935	8E	59A0		LDX	#GETRX
413	5938	8D	43		BSR	HDLFIL
414	593A	34	12		PSHS	X,A
415	593C	BD	6003		JSR	>TAXA1
416	593F	35	12		PULS	X,A
417	5941	7F	EB00		CLR	>FILE
418	5944	B7	EA3D	VERSAZ	STA	>PAGES
419	5947	8E	5800		LDX	##WASS1
420	594A	4A			DECA	
421	594B	48			ASLA	
422	594C	AE	86		LDX	A,X
423	594E	8C	0000		CMPL	##WAVBAS
424	5951	27	04		BEQ	ININEU
425	5953	32	63		LEAS	#03,S
426	5955	6E	84		JMP	,X
427						
428	5957	5F		ININEU	CLRB	
429	5958	BD	5A43		JSR	>INDEZO
430	>595B	16	FFC3		LBRA	NEUINI
431						
432	595E	8E	5D7C	DELET	LDX	#DCMDX

480	>59D6	BD	59C4		JSR	>INDZC
481	59D9	81	FF		CMPA	##FF
482	59DB	26	06		BNE	INDE2
483	>59DD	BD	5984		JSR	>INVCH
484	59E0	32	62		LEAS	#02,S
485	59E2	39			RTS	
486						
487	59E3	E6	07	INDE2	LDB	#07,X
488	59E5	C5	04		BITB	##04
489	59E7	27	0C		BEQ	INDE4
490	59E9	81	09		CMPA	##09
491	59EB	27	04		BEQ	INDE3
492	59ED	81	63		CMPA	##63
493	59EF	26	04		BNE	INDE4
494	59F1	86	FF	INDE3	LDA	##FF
495	59F3	20	0C		BRA	INDE6
496						
497	59F5	A1	04	INDE4	CMPA	#04,X
498	59F7	24	02		BCC	LOOP4
499	59F9	A6	04		LDA	#04,X
500	59FB	A1	05	LOOP4	CMPA	#05,X
501	59FD	23	02		BLS	INDE6
502	59FF	A6	05		LDA	#05,X
503	5A01	A7	98 02	INDE6	STA	[#02,X]
504	5A04	34	02		PSHS	A
505	5A06	BD	5984		JSR	>INVCH
506	5A09	A6	07		LDA	#07,X
507	5A0B	85	01		BITA	##01
508	5A0D	26	03		BNE	LOOP5
509	>5A0F	BD	5A14		JSR	>INVER5
510	5A12	35	82	LOOP5	PULS	PC,A
511						
512	5A14	B6	EF0E	INVER5	LDA	>INVFLG
513	5A17	34	02		PSHS	A
514	5A19	7C	EF0E		INC	>INVFLG
515	5A1C	EC	84		LDD	,X
516	5A1E	BD	5AE7		JSR	>SECUR
517	5A21	E6	98 02		LDB	[#02,X]
518	5A24	A6	07		LDA	#07,X
519	5A26	85	04		BITA	##04
520	5A28	27	10		BEQ	INDE9
521	5A2A	C1	FF		CMPB	##FF
522	5A2C	26	0C		BNE	INDE9
523	5A2E	86	58		LDA	##58
524	5A30	BD	5B71		JSR	>OUTCX
525	5A33	86	20		LDA	##20
526	5A35	BD	5B71		JSR	>OUTCX
527	5A38	20	03		BRA	LOOP6
528						
529	>5A3A	BD	5ABC	INDE9	JSR	>OUTDEZ
530	5A3D	35	02	LOOP6	PULS	A
531	5A3F	B7	EF0E		STA	>INVFLG
532	5A42	39			RTS	
533						

534	5A43	7C	EA48	INDEZO	INC	>ZIFF
535	5A46	5D			TSTB	
536	5A47	27	39		BEQ	IND2
537	5A49	86	EB01		LDA	>INPW
538	5A4C	81	FF		CMPA	##FF
539	5A4E	27	16		BEQ	IND4
540	5A50	7F	EF0E		CLR	>INVFLG
541	5A53	7C	EA36		INC	>ECHO
542	5A56	34	02		PSHS	A
543	5A58	8B	30		ADDA	##30
544	5A5A	BD	5B71		JSR	>OUTCX
545	5A5D	35	02		PULS	A
546	5A5F	C6	FF		LDB	##FF
547	5A61	F7	EB01		STB	>INPW
548	5A64	20	07		BRA	IND6
549						
550	5A66	BD	5B7D	IND4	JSR	>INCHA
551	5A69	81	FF		CMPA	##FF
552	5A6B	27	35		BEQ	IND9
553	5A6D	4C		IND6	INCA	
554	5A6E	C6	F6		LDB	##F6
555	5A70	CB	0A	LOOP7	ADDB	##0A
556	5A72	4A			DECA	
557	5A73	26	FB		BNE	LOOP7
558	5A75	BD	5B7D		JSR	>INCHA
559	5A78	81	FF		CMPA	##FF
560	5A7A	27	26		BEQ	IND9
561	5A7C	34	04		PSHS	B
562	5A7E	AB	E0		ADDA	,S+
563	5A80	20	20		BRA	IND9
564						
565	5A82	B6	EB01	IND2	LDA	>INPW
566	5A85	81	FF		CMPA	##FF
567	5A87	27	16		BEQ	IND3
568	5A89	7F	EF0E		CLR	>INVFLG
569	5A8C	7C	EA36		INC	>ECHO
570	5A8F	34	02		PSHS	A
571	5A91	8B	30		ADDA	##30
572	5A93	BD	5B71		JSR	>OUTCX
573	5A96	35	02		PULS	A
574	5A98	C6	FF		LDB	##FF
575	5A9A	F7	EB01		STB	>INPW
576	5A9D	20	03		BRA	IND9
577						
578	5A9F	BD	5B7D	IND3	JSR	>INCHA
579	5AA2	7F	EA48	IND9	CLR	>ZIFF
580	5AA5	7F	EA36		CLR	>ECHO
581	5AA8	7C	EF0E		INC	>INVFLG
582	5AAB	39			RTS	
583						
584	5AAC	86	20	OUTHUN	LDA	##20
585	5AAE	C1	64		CMPS	##64
586	5AB0	25	04		BCS	LOOP8
587	5AB2	86	31		LDA	##31

588	5AB4 C0	64		SUBB	##64
589	5AB6 BD	5B71	LOOP8	JSR	>OUTCX
590	5AB9 4F			CLRA	
591	5ABA 20	02		BRA	LOOP9
592					
593	5ABC B6	01	OUTDEZ	LDA	##01
594	5ABE 34	02	LOOP9	PSHS	A
595	5AC0 B6	FF		LDA	##FF
596	5AC2 4C		LOP1	INCA	
597	5AC3 C0	0A		SUBB	##0A
598	5ACS 24	FB		BCC	LOP1
599	5AC7 CB	0A		ADDB	##0A
600	5AC9 BB	30		ADDA	##30
601	5ACB B1	30		CMFA	##30
602	5ACD 26	06		BNE	OUT2
603	5ACF 6D	E4		TST	,S
604	5AD1 27	10		BEQ	OUT7
605	5AD3 B6	20		LDA	##20
606	5ADS 34	04	OUT2	PSHS	B
607	5AD7 BD	5B71		JSR	>OUTCX
608	5ADA 35	02		PULS	A
609	5ADC BB	30		ADDA	##30
610	5ADE 32	61		LEAS	#01,S
611	5AE0 7E	5B71		JMF	>OUTCX
612					
613	5AE3 B6	30	OUT7	LDA	##30
614	5AE5 20	EE		BRA	OUT2
615					
616	5AE7 34	10	SECUR	PSHS	X
617	5AE9 34	04		PSHS	B
618	5AEB C6	0A		LDB	##0A
619	5AED 3D			MUL	
620	5AEE 34	06		PSHS	B,A
621	5AF0 CC	00FE		LDD	##00FE
622	5AF3 A3	E4		SUBD	,S
623	5AF5 FD	EF07		STD	>YKDR
624	5AFB 32	62		LEAS	#02,S
625	5AFA 35	04		PULS	B
626	5AFC B6	06		LDA	##06
627	5AFE 3D			MUL	
628	5AFF FD	EF05		STD	>XKDR
629	5B02 35	90		PULS	PC,X
630					
631	5B04 34	04	SETOUT	PSHS	B
632	5B06 34	02		PSHS	A
633	5B0B A6	E4	SETOT1	LDA	,S
634	>5B0A BD	5B71		JSR	>OUTCX
635	5B0D 6A	61		DEC	#01,S
636	5B0F 26	F7		BNE	SETOT1
637	5B11 35	B6		PULS	PC,B,A
638					
639	5B13 B6	20	GFP	LDA	##20
640	>5B15 7E	5B71		JMF	>OUTCX
641					

642	5B18	34	20	TASBE	PSHS	Y
643	5B1A	CE	0010		LDU	#WAV10
644	5B1D	FF	EF05		STU	>XKOR
645	5B20	CE	0008		LDU	#WAVX8
646	5B23	FF	EF07		STU	>YKOR
647	5B26	A6	80	LOP2	LDA	,X+
648	5B28	81	FF		CMPL	##FF
649	5B2A	27	04		BEQ	LOP3
650	5B2C	8D	05		BSR	TASTX
651	5B2E	20	F6		BRA	LOP2
652						
653	5B30	32	62	LOP3	LEAS	#02,S
654	5B32	39			RTS	
655						
656	5B33	10AE	62	TASTX	LDY	#02,S
657	5B36	4A		LOP4	DECA	
658	5B37	27	04		BEQ	LOP5
659	5B39	31	28		LEAY	#08,Y
660	5B3B	20	F9		BRA	LOP4
661						
662	5B3D	C6	09	LOP5	LDB	##09
663	5B3F	5A		TASTX3	DECB	
664	5B40	27	07		BEQ	TASTX4
665	5B42	A6	A0		LDA	,Y+
666	>5B44	BD	5B71		JSR	>OUTCX
667	5B47	20	F6		BRA	TASTX3
668						
669	5B49	39		TASTX4	RTS	
670						
671	5B4A	34	04	TASHEL	PSHS	B
672	5B4C	4A			DECA	
673	5B4D	C6	08		LDB	##08
674	5B4F	F7	EA2D		STB	>MERK1
675	5B52	C6	06		LDB	##06
676	5B54	3D			MUL	
677	5B55	C3	8D42		ADDD	##8D42
678	5B58	1F	01		TFR	D,X
679	5B5A	C6	06		LDB	##06
680	5B5C	A6	84	TASH1	LDA	,X
681	5B5E	43			COMA	
682	5B5F	A7	80		STA	,X+
683	5B61	5A			DECB	
684	5B62	26	F8		BNE	TASH1
685	5B64	30	8B 3A		LEAX	#3A,X
686	5B67	C6	06		LDB	##06
687	5B69	7A	EA2D		DEC	>MERK1
688	5B6C	26	EE		BNE	TASH1
689	5B6E	35	04		PULS	B
690	5B70	39			RTS	
691						
692	5B71	BD	F018	OUTCX	JSR	>OUTCX
693	5B74	7D	EF0E		TST	>INVFL6
694	5B77	26	03		BNE	OUTC1
695	5B79	BD	5B84		JSR	>INVCH

696	5B7C 39		OUTC1	RTS	
697					
698	5B7D B6	FCF1	INCHA	LDA	>KEYBB
699	5B80 2A	10		BPL	INCH1
700	5B82 B6	FCF0		LDA	>KEYBO
701	5B85 81	06		CMPA	##06
702	5B87 26	09		BNE	INCH1
703	5B89 7F	EE04		CLR	>STOR4
704	5B8C 7F	EF0E		CLR	>INVFLG
705	5B8F 7E	CD00		JMP	>FLEX
706					
707	5B92 8D	3D	INCH1	BSR	SOFT1
708	5B94 81	14		CMPA	##14
709	5B96 27	ES		BEQ	INCHA
710	5B98 7D	EA48		TST	>ZIFF
711	5B9B 27	2B		BEQ	INCH2
712	5B9D 7D	EB05		TST	>INESC
713	5BA0 27	06		BEQ	ESCAP2
714	5BA2 4D			TSTA	
715	5BA3 26	03		BNE	ESCAP2
716	5BA5 86	FF		LDA	##FF
717	5BA7 39			RTS	
718					
719	5BAB 80	0A	ESCAP2	SUBA	##0A
720	>5BAA 102B	FFCF		LBMI	INCHA
721	5BAE 4C			INCA	
722	5BAF 81	0A		CMPA	##0A
723	5BB1 26	01		BNE	INCH3
724	5BB3 4F			CLRA	
725	5BB4 7D	EA36	INCH3	TST	>ECHO
726	5BB7 27	0F		BEQ	INCH2
727	5BB9 34	02		PSHS	A
728	5BBB 7F	EF0E		CLR	>INVFLG
729	5BBE 8B	30		ADDA	##30
730	>5BC0 BD	5B71		JSR	>OUTCX
731	5BC3 7C	EF0E		INC	>INVFLG
732	5BC6 35	02		PULS	A
733	5BCB 39		INCH2	RTS	
734					
735	5BC9 BF	EB0D	SOFTKY	STX	>STOR2
736	5BCC 7F	EA49		CLR	>ALTZ
737	5BCF 35	90		PULS	PC,X
738					
739	5BD1 7D	EB0C	SOFT1	TST	>STOR1
740	5BD4 27	12		BEQ	SOFT2
741	5BD6 2A	10		BPL	SOFT2
742	5BD8 34	10		PSHS	X
743	5BDA BE	EB0D		LDX	>STOR2
744	5BDD A6	80		LDA	,X+
745	5BDF 81	FF		CMPA	##FF
746	5BE1 26	E6		BNE	SOFTKY
747	5BE3 7F	EB0C		CLR	>STOR1
748	5BE6 35	10		PULS	X
749	5BE8 34	34	SOFT2	PSHS	Y,X,B

CTRL (F)

750	5BEA	10BE	FCFA		LDY	#FIAA
751	5BEE	6F	E2	SOFT3	CLR	, -S
752	5BF0	8E	5C52		LDX	#JMPT0
753	5BF3	E6	80	SOFT4	LDB	, X+
754	5BF5	A6	80		LDA	, X+
755	5BF7	E7	A6		STB	A, Y
756	5BF9	4D			TSTA	
757	5BFA	27	04		BEQ	LOP6
758	5BFC	E6	80		LDB	, X+
759	5BFE	E7	A4		STB	, Y
760	5C00	E6	A4	LOP6	LDB	, Y
761	5C02	6C	E4	SOFT5	INC	, S
762	5C04	54			LSRB	
763	5C05	24	13		BCC	SOFT7
764	5C07	A6	E4		LDA	, S
765	5C09	A1	84		CMPA	, X
766	5C0B	26	F5		BNE	SOFT5
767	5C0D	30	01		LEAX	\$01, X
768	5C0F	6D	84		TST	, X
769	5C11	26	E0		BNE	SOFT4
770	5C13	35	02		PULS	A
771	5C15	7F	EA49		CLR	>ALTZ
772	5C18	35	84	SOFT6	PULS	PC, Y, X, B
773						
774	5C1A	35	02	SOFT7	PULS	A
775	5C1C	F6	EA49		LDB	>ALTZ
776	5C1F	26	0C		BNE	SOFT8
777	5C21	7C	EA49		INC	>ALTZ
778	5C24	8E	07D0		LDX	#WX7D0
779	5C27	30	1F	LOP7	LEAX	-\$01, X
780	5C29	26	FC		BNE	LOP7
781	5C2B	20	C1		BRA	SOFT3
782						
783	5C2D	C1	02	SOFT8	CMPB	#02
784	5C2F	26	04		BNE	SOFT9
785	5C31	86	14		LDA	#14
786	5C33	20	E3		BRA	SOFT6
787						
788	5C35	7C	EA49	SOFT9	INC	>ALTZ
789	5C38	4A			DECA	
790	5C39	7D	EB0C		TST	>STOR1
791	5C3C	27	DA		BEQ	SOFT6
792	5C3E	2B	D8		BMI	SOFT6
793	5C40	BE	EB0D		LDX	>STOR2
794	5C43	8C	EA10		CMPL	#RAMANF
795	5C46	26	03		BNE	LOP8
796	5C48	7F	EB0C		CLR	>STOR1
797	5C4B	A7	80	LOP8	STA	, X+
798	5C4D	BF	EB0D		STX	>STOR2
799	5C50	20	C6		BRA	SOFT6
800						
801	5C52	3C01		JMPT0	FDB	W3C01
802	5C54	EF04			FDB	STOR7
803	5C56	DF00			FDB	DRIVER

804	5C58 08BF		FDB	WX8BF	
805	5C5A 000C		FDB	WAVXC	
806	5C5C 7F00		FDB	TAXA2	
807	5C5E 1034		FDB	W1034	
808	5C60 01FF		FDB	WX1FF	
809	5C62 1400		FDB	W1400	
810	5C64 01 02 03 04	HTAS	FCB	#01, #02, #03, #04, #05, #06, #07, #08	
	5C68 05 06 07 08				
811	5C6C 09 0A FF		FCB	#09, #0A, #FF	
812	5C6F 20 45 53 43	TASTXX	FCC	" ESCAPE COPY NEWDISK YES "	
	5C73 41 50 45 20				
	5C77 20 20 43 4F				
	5C7B 50 59 20 20				
	5C7F 20 4E 45 57				
	5C83 44 49 53 4B				
	5C87 20 20 20 59				
	5C8B 45 53 20 20				
813	5C8F 20 20 4D 45		FCC	" MERGE GET STORE DELETE "	
	5C93 52 47 45 20				
	5C97 20 20 47 45				
	5C9B 54 20 20 20				
	5C9F 20 20 53 54				
	5CA3 4F 52 45 20				
	5CA7 20 44 45 4C				
	5CAB 45 54 45 20				
814	5CAF 20 46 49 4C		FCC	" FILES HELP "	
	5CB3 45 53 20 20				
	5CB7 20 20 4B 45				
	5CBB 4C 50 20 20				
815	5CBF 4B 45 4C 50	HTXTX	FCC	"HELP-PAGE"	
	5CC3 2D 50 41 47				
	5CC7 45				
816	5CC8 0D		FCB	#0D	
817	5CC9 0A		FCB	#0A	
818	5CCA 04		FCB	#04	
819	5CCB 42 55 53 2D	BUSER	FCC	"BUS-ERR"	
	5CCF 45 52 52				
820	5CD2 04		FCB	#04	
821	5CD3 4E 4F 20 4C	ERLIN	FCC	"ND LINE"	
	5CD7 49 4E 45				
822	5CDA 04		FCB	#04	
823	5CDB 5D21	HLPJMP	FDB	ESCAPE	
824	5CDD 5D45		FDB	GET	
825	5CDF 5D45		FDB	GET	
826	5CE1 5D7E		FDB	TEXAA = RTS	
827	5CE3 5D45		FDB	GET	
828	5CE5 5D45		FDB	GET	
829	5CE7 5D45		FDB	GET	
830	5CE9 5D45		FDB	GET	
831	5CEB 5D45		FDB	GET	
832	5CED 5D45		FDB	GET	
833	5CEF 7F EB04	KEYOUT	CLR	>INPENB	
834	5CF2 B6 EA3D		LDA	>PAGEM	
835	5CF5 B7 EC85		STA	>MCHECK	

836	5CF8	B6	FF		LDA	##FF
837	5CFA	B7	EA3D		STA	>PAGEM
838	5CFD	B6	0C		LDA	##0C
839	5CFF	BD	5B71		JSR	>OUTCX
840	5D02	BE	5CBF		LDX	##HTTX
841	5D05	BD	F027		JSR	>PDAT1
842	5D08	BE	5C64		LDX	##HTAS
843	5D0B	10BE	5C6F		LDY	##TASTXX
844	5D0F	BD	5B18		JSR	>TASBE
845	5D12	B6	01		LDA	##01
846	5D14	5F			CLRB	
847	5D15	BD	5AE7		JSR	>SECUR
848	5D18	7F	EA36		CLR	>ECHO
849	5D18	7C	EB05		INC	>INESC
850	5D1E	7E	5B7A		JMP	>INITAS
851						
852	5D21	B6	EC85	ESCAPE	LDA	>MCHECK
853	5D24	7D	EB00		TST	>FILE
854	5D27	27	02		BEQ	ESCA1
855	5D29	80	04		SUBA	##04
856	5D2B	B7	EA3D	ESCA1	STA	>PAGEM
857	5D2E	1F	B9		TFR	A,B
858	5D30	5A			DECB	
859	5D31	58			ASLB	
860	5D32	8E	5B00		LDX	##WASS1
861	5D35	7D	EB00		TST	>FILE
862	5D38	27	03		BEQ	LOP9
863	5D3A	8E	EB10		LDX	##STOR3
864	5D3D	7F	EA36	LOP9	CLR	>ECHO
865	5D40	7F	EB05		CLR	>INESC
866	5D43	6E	95		JMP	[B,X]
867						
868	5D45	8E	5D50	GET	LDX	##JMPT2
869	5D48	AE	B6		LDX	A,X
870	5D4A	BD	5900	STORE	JSR	>INBUF
871	5D4D	7E	5B69		JMP	>DOS
872						
873	5D50	5D64		JMPT2	FDB	FILX
874	5D52	5D68			FDB	COPX
875	5D54	5D77			FDB	NEWX
876	5D56	5D64			FDB	FILX
877	5D58	5D74			FDB	MERGX
878	5D5A	5D6E			FDB	GOTX
879	5D5C	5D71			FDB	STORX
880	5D5E	5D68			FDB	DELX
881	5D60	5D64			FDB	FILX
882	5D62	5D7A			FDB	HLPX
883						
884	5D64	46 49 20		FILX	FCC	"F1 "
885	5D67	04			FCB	##04
886						
887	5D68	43 4F		COPX	FCC	"C0"
888	5D6A	04			FCB	##04
889						

890	5D6B 44 44	DELX	FCC	"DD"
891	5D6D 04		FCB	#04
892				
893	5D6E 47 47	GOTX	FCC	"GG"
894	5D70 04		FCB	#04
895				
896	5D71 53 53	STORX	FCC	"SS"
897	5D73 04		FCB	#04
898				
899	5D74 4D 4D	MERGX	FCC	"MM"
900	5D76 04		FCB	#04
901				
902	5D77 4E 4E	NEWX	FCC	"NN"
903	5D79 04		FCB	#04
904				
905	5D7A 4B	HLPX	FCC	"H"
906	5D7B 04		FCB	#04
907				
908	5D7C 44	DCMDX	FCC	"D"
909	5D7D 04		FCB	#04
910				
911				
912	5D7E 39	TEXAA	RTS	
913				
914	5D7F 7F EA36	CLR	>ECHO	
915	5D82 BD 5B7D	JSR	>INCHA	
916	5D85 B1 04	CMFA	#*04	
917	5D87 25 03	BCS	LOLO	
918	5D89 1C FE	ANDCC	#*FE	
919	5D8B 39	RTS		
920				
921	5D8C 1A 01	LOLO	ORCC	#*01
922	5D8E 39		RTS	
923				
924	5D8F FD E900	TEXAB	STD	>ZE900
925	5D92 A6 9B 02	LDA	[*02,X]	
926	5D95 B7 EA3E	STA	>UNIT	
927	5D98 EC B4	LDD	,X	
928	5D9A 20 4A	BRA	SENDE	
929				
930	5D9C 7F EA62	SENTST	CLR	>SENDF
931	5D9F 7D FD01	TST	>PIA+1	
932	5DA2 2A 34	BFL	SEND2	
933	5DA4 B6 FE	LDA	#*FE	
934	5DA6 B7 FD02	STA	>PIA+2	
935	5DA9 7F FD01	CLR	>PIA+1	
936	5DAC B6 FF	LDA	#*FF	
937	5DAE B7 FD00	STA	>PIA	
938	5DB1 C6 04	LDB	#*04	
939	5DB3 F7 FD01	STB	>PIA+1	
940	5DB6 B7 FD00	STA	>PIA	
941	5DB9 B6 FD00	LDA	>PIA	
942	5DBC 5F	CLRB		
943	5DBD 46	SEND1	RORA	

x Mittel

code

944	5DBE 24	19	BCC	SEND3
945	5DC0 5C		INCB	
946	5DC1 C1	08	CMFB	##08
947	5DC3 26	F8	BNE	SEND1
948	5DC5 B6	FD00	LDA	>PIA
949	5DC8 7F	FD01	CLR	>PIA+1
950	5DCB 7F	FD00	CLR	>PIA
951	5DCE 86	04	LDA	##04
952	5DD0 B7	FD01	STA	>PIA+1
953	5DD3 86	FF	LDA	##FF
954	5DD5 B7	FD02	STA	>PIA+2
955	5DD8 39		SEND2	RTS
956				
957	5DD9 58		SEND3	ASLB
958	5DDA 58			ASLB
959	5DDB 58			ASLB
960	5DDC 58			ASLB
961	5DD0 F7	EA3E	STB	>UNIT
962	5DE0 7C	EA62	INC	>SEND5
963	5DE3 FC	EA64	LDD	>FUNKT
964	5DE6 34	02	PSHS	A
965	5DE8 B6	EA3E	LDA	>UNIT
966	5DEB 81	FF	CMFA	##FF
967	5DED 1027	0107	LBEQ	ERSEND
968	5DF1 35	02	PULS	A
969	5DF3 7F	EA4A	CLR	>TSWAVE
970	5DF6 84	0F	ANDA	##0F
971	5DF8 34	02	PSHS	A
972	5DFA 34	04	PSHS	B
973	5DFC B4	07	ANDA	##07
974	5DFE 81	03	CMFA	##03
975	5E00 23	4A	BLS	SEND7
976	5E02 81	05	CMFA	##05
977	5E04 27	39	BEQ	SEND6
978	5E06 1083	0701	CMPD	##0701
979	5E0A 27	2B	BEQ	SEND5
980	5E0C 1083	0700	CMPD	##0700
981	5E10 27	0A	BEQ	SNND2
982	5E12 32	62	LEAS	#02,5
983	5E14 39		RTS	
984				
985	5E15 7C	EA4A	SNND1	INC
986	5E18 32	62	LEAS	#02,5
987	5E1A 20	A9	BRA	SEN11
988				
989	5E1C 8E	0000	SNND2	LDX
990	5E1F B6	EA3E	LDA	>UNIT
991	5E22 27	07	BEQ	SNND3
992	5E24 81	20	CMFA	##20
993	5E26 27	0A	BEQ	SNND4
994	5E28 8E	1000	LDX	##1000
995	5E2B 1F	10	TFR	X,D
996	5E2D C3	0800	ADDD	##0800
997	5E30 20	26	BRA	SEND8

Re-init Pias

Wave 2.3
INFO Data
Transfer
Routine

AB Code (0700)

998					
999	5E32	8E	0800	SNND4	LDX #WXB00
1000	5E35	20	F4		BRA SNND3
1001					
1002	5E37	8E	EC81	SENDS	LDX >ANFA
1003	5E3A	FC	EC83		LDD >ENDE
1004	5E3D	20	19		BRA SEND8
1005					
1006	5E3F	8E	5FE6	SEND5	LDX #CON61
1007	5E42	58			ASLB
1008	5E43	58			ASLB
1009	5E44	30	85		LEAX B,X
1010	5E46	EC	02		LDD #02,X
1011	5E48	AE	84		LDX ,X
1012	5E4A	20	0C		BRA SEND8
1013					
1014	5E4C	8E	5FE2	SEND7	LDX #CONST
1015	5E4F	E6	86		LDB A,X
1016	5E51	4F			CLRA
1017	5E52	8E	E900		LDX #ZE900
1018	5E55	C3	E900		ADDD ##E900
1019	5E58	FD	EC83	SEND8	STD >ENDE
1020	5E5B	BF	EC81		STX >ANFA
1021	5E5E	B3	EC81		SUBD >ANFA
1022	5E61	FD	EC89		STD >MBLOCK
1023	5E64	B6	FD00		LDA >PIA
1024	5E67	B6	FE		LDA ##FE
1025	5E69	B7	FD02		STA >PIA+2
1026	5E6C	B6	FD01		LDA >PIA+1
1027	5E6F	28	A4		BMI SNND1
1028	5E71	7F	FD01		CLR >PIA+1
1029	5E74	B6	FF		LDA ##FF
1030	5E76	B7	FD00		STA >PIA
1031	5E79	C6	04		LDB ##04
1032	5E7B	F7	FD01		STB >PIA+1
1033	5E7E	B6	FD00		LDA >PIA
1034	5E81	35	04		PULS B
1035	5E83	F7	FD00		STB >PIA
1036	5E86	7F	EC8C		CLR >ERFLB
1037	5E89	A6	E4		LDA ,S
1038	5E8B	BA	EA3E		ORA >UNIT
1039	5E8E	B7	FD02		STA >PIA+2
1040	5E91	8E	4000		LDX #TENDE
1041	5E94	30	1F	SEND9	LEAX -#01,X
1042	>SE96	1027	005E		LBEQ ERSEND
1043	5E9A	7D	FD01		TST >PIA+1
1044	5E9D	2A	F5		ROL SEND9
1045	5E9F	B6	FE		LDA ##FE
1046	5EA1	B7	FD02		STA >PIA+2
1047	5EA4	A6	E4		LDA ,S
1048	5EA6	B5	08		BITA ##08
1049	5EAB	1026	00B0		LRNE EMPE8
1050	5EAC	C6	3C		LDB ##3C
1051	5EAE	F7	FD01		STB >PIA+1

A Code = ~~7~~, B Code = 1 (07-01)

A Code = 5

A Code <= 3

Block gröszen INFD

BLOCKLÄNGE

Error! : Rinit

B Code Transfer

A Code "

Wait Loop

Receive Data Mode?

```

1052 5EB1 B6 ECB9 LDA >MBLOCK
1053 5EB4 B0 5F39 JSR >EMPF5
1054 5EB7 B6 EC8A LDA >LBLOCK
1055 5EBA B0 7D BSR EMPF5
1056 5EB8 7F EC86 CLR >LCHECK
1057 5EBF BE ECB1 LDX >ANFA
1058 5EC2 A6 80 SENDA LDA ,X+
1059 5EC4 B0 73 BSR EMPF5
1060 5EC6 BC EC83 CMPX >ENDE
1061 5EC9 26 F7 BNE SENDA
1062 5ECB B6 EC86 LDA >LCHECK
1063 5ECE B0 69 BSR EMPF5
1064 5ED0 C6 64 LDB ##64
1065 5ED2 5A SENDB DECB
1066 5ED3 26 FD BNE SENDB
1067 5ED5 7F EA4A CLR >TSWAVE
1068 5ED8 32 61 SENDC LEAS #01,S
1069 5EDA 7F FD01 CLR >PIA+1
1070 5EDD 7F FD00 CLR >PIA
1071 5EE0 B6 04 LDA ##04
1072 5EE2 B7 FD01 STA >PIA+1
1073 5EE5 B6 FF LDA ##FF
1074 5EE7 7D EA6E TST >HMERK
1075 5EEA 27 02 BEQ SENCC
1076 5EEC B6 FE LDA ##FE
1077 5EEE B7 FD02 SENCC STA >PIA+2
1078 5EF1 B6 FD00 LDA >PIA
1079 5EF4 7F EA6E CLR >HMERK
1080 5EF7 39 RTS

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1081
1082 5EF8 FC EA6F ERSEND LDD >LMERK
1083 5EFB BD 5AE7 JSR >SECUR
1084 5EFE BE 5CD3 LDX #ERLIN
1085 5F01 BD F027 JSR >PDAT1
1086 5F04 7C EA4A INC >TSWAVE
1087 5F07 20 CF BRA SENDC

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1088
1089 5F09 6D 62 EMFF TST #02,S
1090 5F0B 27 14 BEQ EMFF2
1091 5F0D 7D EC8C TST >ERFLG
1092 5F10 26 07 BNE EMFF1
1093 5F12 10BE 0014 LDY #WAV14
1094 5F16 7C EC8C INC >ERFLG
1095 5F19 31 3F EMFF1 LEAY -#01,Y
1096 5F1B 10BC 0000 CMPY #WAVBAS
1097 5F1F 26 18 BNE EMFF5
1098 5F21 32 62 EMFF2 LEAS #02,S
1099 5F23 20 D3 BRA ERSEND

```

```

1100
1101 5F25 CE E000 EMFF3 LDU #ZE000
1102 5F28 33 5F EMFF4 LEAU -#01,U
1103 5F2A 11G3 0000 CMPU #WAVBAS
1104 >5F2E 1027 FFD7 LBED EMFF
1105 5F32 7D FD01 TST >PIA+1

```

No Line!

bei 20 Versuchen ERFLG = 1!

Wait

1106	5F35 2A	F1	BPL	EMPF4
1107	5F37 20	09	BRA	EMPF7
1108				
1109	5F39 5F		EMPF5	CLRB
1110	5F3A 5A		EMPF6	DECB
1111	5F3B 27	E8	BEQ	EMPF3
1112	5F3D 7D	FD01	TST	>PIA+1
1113	5F40 2A	F8	BPL	EMPF4
1114	5F42 F6	FD00	EMPF7	LDB >PIA
1115	5F45 B7	FD00	STA	>PIA
1116	5F48 BB	EC86	ADDA	>LCHECK
1117	5F4B C6	34	LDB	##34
1118	5F4D F7	FD01	STB	>PIA+1
1119	5F50 C6	3C	LDB	##3C
1120	5F52 F7	FD01	STB	>PIA+1
1121	5F55 B7	EC86	STA	>LCHECK
1122	5F58 7F	ECBC	CLR	>ERFLG
1123	5F5B 39		RTS	
1124				
1125	5F5C 7F	FD01	EMPF8	CLR >PIA+1
1126	5F5F 7F	FD00	CLR	>PIA
1127	5F62 86	24	LDA	##24
1128	5F64 87	FD01	STA	>PIA+1
1129	5F67 7F	EC86	CLR	>LCHECK
1130	5F6A B6	FD00	LDA	>PIA
1131	5F6D B7	EC83	STA	>ENDE
1132	5F70 8D	34	BSR	EMPFA
1133	5F72 B7	EC84	STA	>ENDE1
1134	5F75 FC	EC83	LDD	>ENDE
1135	5F78 10B3	4100	CMPS	##4100
1136	5F7C 24	38	BCC	EREMFF
1137	5F7E BE	EC81	LDX	>ANFA
1138	5F81 FC	EC81	LDD	>ANFA
1139	5F84 F3	EC83	ADDD	>ENDE
1140	5F87 FD	EC83	STD	>ENDE
1141	5F8A 8D	1A	EMPF9	BSR EMPFA
1142	5F8C A7	80	STA	,X+
1143	5F8E BB	EC86	ADDA	>LCHECK
1144	5F91 B7	EC86	STA	>LCHECK
1145	5F94 BC	EC83	CMPS	>ENDE
1146	5F97 26	F1	BNE	EMPF9
1147	5F99 8D	0B	BSR	EMPFA
1148	5F9B B1	EC86	CMPS	>LCHECK
1149	5F9E 26	16	BNE	EREMFF
1150	5FA0 7F	EA4A	CLR	>TSMWE
1151	5FA3 16	FF32	LBRA	SEND
1152				
1153	5FA6 5F		EMPFA	CLRB
1154	5FA7 5A		EMPFB	DECB
1155	5FAB 27	34	BEQ	EMPFE
1156	5FAA 7D	FD01	TST	>PIA+1
1157	5FAD 2A	F8	BPL	EMPFB
1158	>5FAF 8D	5FB5	JBR	>EMPFC
1159	5FB2 B6	FD00	LDA	>PIA

Transmit Byte
wait

Receive Data

Buss Error!

```

1160 5FB5 39      EMPFC  RTS
1161
1162 5FB6 FC  EA6F   EREMPF LDD  >LMERK
1163 5FB9 8D  5AE7   JSR    >SECUR
1164 5FBC 8E  5CCB   LDX    #BUSER
1165 5FBF 8D  F027   JSR    >PDAT1
1166 5FC2 7C  EA4A   INC    >TSWAVE
1167 5FC5 16  FF10   LBRA   SENDC
1168
1169 5FC8 C6  FF     LDB    ##FF
1170 5FCA 5A      EMPFD  DECB
1171 5FCB 27  11     BEQ    EMPFE
1172 5FCD 7D  FD01   TST    >PIA+1
1173 5FD0 2A  F8     BPL    EMPFD
1174 5FD2 B6  FD00   LDA    >PIA
1175 5FD5 A7  80     STA    ,X+
1176 5FD7 B8  EC86   ADDA   >LCHECK
1177 5FDA B7  EC86   STA    >LCHECK
1178 5FDD 39      RTS
1179
1180 5FDE 32  62     EMPFE  LEAS  #02,S
1181 5FE0 20  D4     BRA    EREMPF
1182
1183 5FE2 01 02 10 64 CONST FCB  #01,#02,#10,#64
1184
1185 5FE6 0000   CONS1 FDB  WAVBAS
1186 5FEB 2C00   FDB  W2C00
1187 5FEA 0000   FDB  WAVBAS
1188 5FEC 1400   FDB  W1400
1189 5FEE 4000   FDB  TENDE
1190 5FF0 5800   FDB  WASS1
1191 5FF2 0000   FDB  WAVBAS
1192 5FF4 3000   FDB  W3000
1193 5FF6 0000   FDB  WAVBAS
1194 5FFB 4000   FDB  TENDE
1195
1196      END      START

```

0 ERROR(S) DETECTED

SYMBOL TABLE:

ALTZ	EA49	AMPLL	EA3B	ANFA	ECB1	BANK	EA6B	BITPTR	EA26
BUSER	5CCB	BYTEZ	EA27	CLMERK	EA45	CONSL	5FE6	CONST	5FE2
COFX	5D6B	DCMDX	5D7C	DELET	595E	DELTA	EA2F	DELX	5D6B
DOCMND	CD4B	DOS	5BE9	DOS1	5BFD	DOSER	CC20	DRIVER	DF00
ECHO	EA36	ENGAB	5913	EMPF	5F09	EMPF1	5F19	EMPF2	5F21
EMPF3	5F25	EMPF4	5F2B	EMPF5	5F39	EMPF6	5F3A	EMPF7	5F42
EMPF8	5F5C	EMPF9	5F8A	EMPFA	5FA6	EMPFB	5FA7	EMPFC	5FB5
EMPFD	5FCA	EMPFE	5FDE	ENDE	ECB3	ENDE1	ECB4	EREMPF	5FB6
ERFLB	ECBC	ERLIN	5CD3	ERSEND	5EF8	ESCA1	5D2B	ESCAP2	5BA8
ESCAPE	5D21	EVUA	EA6C	FAKTOR	EA5B	FILE	EB00	FILX	5D64
FLEX	CD00	FMSCLS	D403	FUNDAM	EA3C	FUNKT	EA64	GET	5D45
GETEX	598C	GETRX	59A0	GETTCM	5B6A	GETX	5D6E	HALFTE	EA46
HARMN	EA2C	HLPJMP	5CDB	HLPX	5D7A	HMERK	EA6E	HOLFIL	597D
HTAS	5C64	HTXTX	5CBF	INB1	5912	INB2	5908	INBUF	5900
INCH1	5B92	INCH2	5BCB	INCH3	5BB4	INCHA	5B7D	IND2	5AB2
IND3	5A9F	IND4	5A66	IND6	5A6D	IND9	5AA2	INDE2	59E3
INDE3	59F1	INDE4	59F5	INDE6	5A01	INDE9	5A3A	INDEZ0	5A43
INDZC	59C4	INESC	EB05	ININE1	596A	ININEU	5957	INITAS	5B7A
INFENB	EB04	INPOS	59B1	INPOS1	59B0	INPU	EB02	INFW	EB01
INTAS1	5BBD	INTAS2	5BB6	INTAS3	5BCC	INTAS4	5BD3	INTES	EA3C
INVCH	598A	INVER1	59CF	INVER5	5A14	INVFLB	EF0E	INVSr	FF05
JMPTO	5C52	JMPT2	5D50	JMPTAB	5B10	KEY	EA51	KEYBB	FCF1
KEYBM	EA6A	KEYBO	FCF0	KEYOUT	5CEF	LBLOCK	ECBA	LBUFFR	C0B0
LCHECK	EC86	LMERK	EA6F	LOLO	5D8C	LOOP	EA53	LOOP1	5B5D
LOOP2	5B80	LOOP3	5BDF	LOOP4	59FB	LOOP5	5A12	LOOP6	5A3D
LOOP7	5A70	LOOP8	5AB6	LOOP9	5ABE	LOOPA	EA54	LOOPL	EA56
LDP1	5AC2	LDP2	5B26	LDP3	5B30	LDP4	5B36	LOF5	5B3D
LDP6	5C00	LDP7	5C27	LDP8	5C4B	LDP9	5D3D	LOPANF	EA58
LDPKL	EA5A	LPTR	CC14	MBLOCK	ECB9	MCHECK	ECB5	MEM00	EA70
MEM01	EA71	MEM02	EA72	MEM03	EA73	MEM04	EA74	MERGX	5D74
MERK1	EA2D	MERK2	EA2E	MERK3	EA39	MERK4	EA3A	MINUS	EA31
NATANF	EA41	NEUINI	5921	NEWX	5D77	NULAGE	EA29	ODD2	5AD5
ODD7	5AE3	OUTC1	5B7C	OUTCH	F018	OUTCX	5B71	OUTDEZ	5AB0
OUTHUN	5AAC	PAGEM	EA3D	PDATA1	F027	PEBEL	EA2A	PERZ	EA43
PFLB	EA66	PHI	EA61	PIA	FD00	PIAA	FCFA	PUNKTZ	EA44
PWN	EA3B	RAMANF	EA10	RECCC	EA67	RESULT	EA5F	SDELTA	EA30
SECUR	5AE7	SEN11	5DC5	SENCC	5EEE	SEND1	5DBD	SEND2	5DD8
SEND3	5DD9	SEND5	5E37	SEND6	5E3F	SEND7	5E4C	SEND8	5E58
SEND9	5E74	SENDA	5EC2	SEND8	5ED2	SENDC	5ED8	SENDE	5DE6
SENDF	EA62	SENTST	5D9C	SETOT1	5B0B	SETOUT	5B04	SNND1	5E15
SNND2	5E1C	SNND3	5E2B	SNND4	5E32	SOFKEY	EE05	SOFT1	5BD1
SOFT2	5BE8	SOFT3	5BEE	SOFT4	5BF3	SOFT5	5C02	SOFT6	5C18
SOFT7	5C1A	SOFT8	5C2D	SOFT9	5C35	SOFTKY	5BC9	SPLIT	EA69
SPP	5B13	START	5B3E	STOR1	EB0C	STOR2	EB0D	STOR3	EB10
STOR4	EE04	STOR5	EE09	STOR6	EF00	STOR7	EF04	STORE	5D4A
STORX	5D71	TASBE	5B1B	TASH1	5B5C	TASHEL	5B4A	TASTX	5B33
TASTX3	5B3F	TASTX4	5B49	TASTXX	5C6F	TAXA1	6003	TAXA2	7F00
TENDE	4000	TESTM	EA6B	TEXAA	5D7E	TEXAB	5D8F	TSWAVE	EA4A
UNIT	EA3E	VERSAZ	5944	VERSIO	EA3F	VLAGE	EA32	W1000	1000
W1034	1034	W1400	1400	W2C00	2C00	W3000	3000	W3C01	3C01

LOOP7	00555	00557		
LOOP8	00589	00586		
LOOP9	00594	00571		
LOOPA	00156			
LOOPL	00158			
LOP1	00596	00598		
LOP2	00647	00651		
LOP3	00653	00649		
LOP4	00657	00660		
LOP5	00662	00658		
LOP6	00760	00757		
LOP7	00779	00780		
LOP8	00797	00795		
LOP9	00864	00862		
LOPANF	00160			
LOPKL	00162			
LPTER	00029	00386		
MBLOCK	00257	01022	01052	
MCHECK	00255	00835	00852	
MEM00	00195			
MEM01	00196			
MEM02	00197			
MEM03	00198			
MEM04	00199			
MERGX	00899	00877		
MERK1	00088	00674	00687	
MERK2	00090			
MERK3	00108			
MERK4	00110			
MINUS	00096			
NATANF	00124			
NEUINI	00403	00400	00430	00435
NEWX	00902	00875		
NULAGE	00080			
QUD2	00606	00602	00614	
QUD7	00613	00604		
QUTC1	00696	00694		
QUTCH	00049	00692		
QUTCX	00692	00282	00524	00526 00544 00572 00589 00607 00611 00634 00640
	00666	00730	00839	
QUTDEZ	00593	00271	00529	
QUTHUN	00584	00272		
PAGEM	00116	00334	00353	00418 00434 00834 00837 00856
FDATA1	00050	00841	01085	01165
PEGEL	00082			
PERZ	00126			
PFLG	00178			
PHI	00170			
PIA	00054	00931	00934	00935 00937 00939 00940 00941 00948 00949 00950
	00952	00954	01023	01025 01026 01028 01030 01032 01033 01035 01039
	01043	01046	01051	01069 01070 01072 01077 01078 01105 01112 01114
	01115	01118	01120	01125 01126 01128 01130 01156 01159 01172 01174
PIAA	00053	00750		
PUNKTZ	00128			
PWN	00106			
RAMANF	00068	00794		
RECCC	00180			
RESULT	00168			
SDELTA	00094			
SECUR	00616	00275	00462	00516 00847 01083 01163
SEN11	00948	00987		
SENCC	01077	01075		
SEND1	00943	00947		
SEND2	00955	00932		
SEND3	00957	00944		

SEND5	01002	00979			
SEND6	01006	00977			
SEND7	01014	00975			
SEND8	01019	00997	01004	01012	
SEND9	01041	01044			
SENDA	01058	01061			
SENDB	01065	01066			
SEND C	01068	01087	01151	01167	
SENDE	00964	00283	00928		
SEND F	00172	00930	00962		
SENTST	00930	00287			
SETQT1	00633	00636			
SETOUT	00631	00274			
SNND1	00985	01027			
SNND2	00989	00981			
SNND3	00995	00991	01000		
SNND4	00999	00993			
SDFKEY	00042	00294			
SOFT1	00739	00293	00707		
SOFT2	00749	00740	00741		
SOFT3	00751	00781			
SOFT4	00753	00769			
SOFT5	00761	00766			
SOFT6	00772	00786	00791	00792	00799
SOFT7	00774	00763			
SOFT8	00783	00776			
SOFT9	00788	00784			
SDFTKY	00735	00746			
SPLIT	00184				
SPP	00639	00467			
START	00291	00404	01196		
STDR1	00244	00300	00739	00747	00790 00796
STDR2	00245	00735	00743	00793	00798
STDR3	00039	00863			
STDR4	00041	00292	00703		
STDR5	00043	00295	00299		
STDR6	00044	00319			
STDR7	00045	00802			
STORE	00870	00307	00309	00433	00447 00813
STORX	00896	00879			
TABBE	00642	00266	00844		
TASH1	00680	00684	00688		
TASHEL	00671	00278	00329	00360	
TASTX	00656	00650			
TASTX3	00663	00667			
TASTX4	00669	00664			
TASTXX	00812	00843			
TAXA1	00026	00415			
TAXA2	00027	00806			
TENDE	00022	00304	01040	01189	01194
TEBTH	00182				
TEXAA	00912	00826			
TEXAB	00924	00277			
TSWAVE	00140	00969	00985	01067	01086 01150 01166
UNIT	00118	00926	00961	00965	00990 01038
VERSAZ	00418	00411	00439	00444	
VERSID	00120				
VLAGB	00098				
W1000	00016	00994			
W1034	00017	00807			
W1400	00018	00809	01188		
W2C00	00019	01186			
W3000	00020	01192			
W3C01	00021	00801			
WALEND	00074				

WASS1	00023 00419 00860 01190
WASS2	00024 00339
WAV10	00010 00643
WAV14	00011 01093
WAVBAS	00007 00301 00423 00989 01096 01103 01185 01187 01191 01193
WAVN	00152
WAVNU	00174
WAVXB	00008 00645
WAVXC	00009 00805
WELANF	00070
WELEND	00072
WERT	00104
WTABL	00134
WX1FF	00012 00808
WX7D0	00013 00778
WXB00	00014 00999
WXBBF	00015 00804
XGETX	00313 00306
XKDR	00046 00628 00644
XKDRME	00100
XPOA	00146
XPOS	00142
XTCMD	00316 00308
YKDR	00047 00623 00646
YPOA	00148
YPOS	00144
ZE000	00035 01101
ZE900	00036 00924 01017
ZEHNER	00084
ZIFF	00136 00323 00534 00579 00710
ZOOMER	00122

6.10.84

VCMDB

V2 R3.3

Waveform

ALTZ	00138 00736 00771 00775 00777 00788
AMPLL	00112
ANFA	00252 01002 01020 01021 01057 01137 01138
BANK	00188
BITPTR	00076
BUSER	00819 01164
BYTEZ	00078
CLMERK	00130
CONS1	01185 01006
CONST	01183 01014
CDPX	00887 00874
DCMDX	00908 00432
DELET	00432 00406
DELTA	00092
DELX	00890 00880
DOCMND	00032 00375
DOS	00373 00286 00871
DOS1	00382 00377
DOSER	00030 00380
DRIVER	00034 00803
ECHO	00102 00322 00471 00473 00541 00569 00580 00725 00846 00864 00914
EINGAB	00395 00279
EMFF	01089 01104
EMPF1	01095 01092
EMPF2	01098 01090
EMPF3	01101 01111
EMPF4	01102 01106
EMPF5	01109 01053 01055 01059 01063 01097
EMPF6	01110 01113
EMPF7	01114 01107
EMPF8	01125 01049
EMPF9	01141 01146
EMPFA	01153 01132 01141 01147
EMFFB	01154 01157
EMPFC	01160 01158
EMFFD	01170 01173
EMFFE	01180 01155 01171
ENDE	00253 01003 01019 01060 01131 01134 01139 01140 01145
ENDE1	00254 01133
EREMPF	01162 01136 01149 01181
ERFLB	00259 01036 01091 01094 01122
ERLIN	00821 01084
ERSEND	01082 00967 01042 01099
ESCA1	00856 00854
ESCAP2	00719 00713 00715
ESCAPE	00852 00812 00823
EVUA	00190
FAKTOR	00164
FILE	00239 00410 00417 00438 00443 00853 00861
FILX	00884 00873 00876 00881
FLEX	00031 00705
FMSCLS	00033 00379
FUNDAM	00114
FUNKT	00176 00963
GET	00868 00313 00455 00458 00813 00824 00825 00827 00828 00829 00830
	00831 00832
GETEX	00455 00440
GETRX	00458 00412
GETTCMD	00308 00297
GOTX	00893 00878
HALFTE	00132
HARPM	00086
HLPJMP	00823 00333

6.10.84

OPT PAG

NAM B.BIN V2R3.3 5.10.84

B. BIN

V 2

R 3. 3

Waveterm

Page 0

Wave/EVU Parameters

Display Set

0000	WAVBAS	EQU	#0000
0001	Z0001	EQU	#0001
0002	Z0002	EQU	#0002
0003	Z0003	EQU	#0003
0007	Z0007	EQU	#0007
0015	Z0015	EQU	#0015
0016	Z0016	EQU	#0016
0100	Z0100	EQU	#0100
0101	Z0101	EQU	#0101
0102	Z0102	EQU	#0102
0103	Z0103	EQU	#0103
0104	Z0104	EQU	#0104
01FF	WX1FF	EQU	#01FF
0201	Z0201	EQU	#0201
0202	Z0202	EQU	#0202
0203	Z0203	EQU	#0203
03E8	Z03E8	EQU	#03E8
0400	Z0400	EQU	#0400
0503	Z0503	EQU	#0503
0700	Z0700	EQU	#0700
072C	Z072C	EQU	#072C
0A00	Z0A00	EQU	#0A00
0A2C	Z0A2C	EQU	#0A2C
0D00	Z0D00	EQU	#0D00
0D2C	Z0D2C	EQU	#0D2C
0FA0	Z0FA0	EQU	#0FA0
1000	W1000	EQU	#1000
3410	Z3410	EQU	#3410
3FF0	Z3FF0	EQU	#3FF0
4000	TENDE	EQU	#4000
4037	Z4037	EQU	#4037
4039	Z4039	EQU	#4039
403E	Z403E	EQU	#403E
5824	Z5824	EQU	#5824
582B	Z582B	EQU	#582B
582A	Z582A	EQU	#582A
5832	Z5832	EQU	#5832
5834	Z5834	EQU	#5834
583C	Z583C	EQU	#583C
6002	Z6002	EQU	#6002
8000	Z8000	EQU	#8000
8C00	Z8C00	EQU	#8C00
C085	ZC085	EQU	#C085
E900	ZE900	EQU	#E900
E901	ZE901	EQU	#E901
E903	ZE903	EQU	#E903
E904	ZE904	EQU	#E904
E90D	ZE90D	EQU	#E90D
E90E	ZE90E	EQU	#E90E
E90F	ZE90F	EQU	#E90F
E928	ZE928	EQU	#E928


```

113
114          6012 Z6012 EQU    #6012
115
116          * *****
117 6016          ORG    #6016
118          * *****
119
120 6016 6FD5          FDB    Z6FD5 Clear Bld Run
121 6018 6AD3          FDB    Z6AD3
122 601A 69D0          FDB    Z69D0
123
124          6022 Z6022 EQU    #6022 Transmit (K. Brn)
125
126          * *****
127 6024          ORG    #6024
128          * *****
129
130 6024 6D16          FDB    Z6D16
131
132          6026 Z6026 EQU    #6026
133
134          * *****
135 6900          ORG    #6900
136          * *****
137
138 6900 CC 0001 Z6900 LDD    #0001
139 6903 ED C1          STD    ,U++
140 6905 FC FD12          LDD    >ZFD12
141 6908 ED C1          STD    ,U++
142 690A B6 FF          LDA    #FF
143 690C A7 C4          STA    ,U
144 690E B6 05          LDA    #05
145 6910 AD 9F 582A          JSR    [Z582A]
146 6914 B6 05          LDA    #05
147 6916 AD 9F 582A          JSR    [Z582A]
148 691A 4F          CLRA
149 691B 8E 6FE0          LDX    #Z6FE0
150 691E 7F EA3E          CLR    >UNIT
151 6921 AD 9F 582B          JSR    [Z582B] TEXAS Beale
152 6923 B6 EA6C          LDA    >EVUA
153 6928 B7 EA3E          STA    >UNIT
154 692B B6 EA67 Z692B LDA    >RECC
155 692E B1 01          CMPA    #01
156 6930 27 5B          BEQ    Z69BA
157 6932 B6 03          LDA    #03
158 6934 B7 EA67          STA    >RECC
159 6937 B6 01          LDA    #01
160 6939 B7 E903          STA    >Z6903
161 693C BD 6BBE          JSR    >Z6BBE
162 693F BD 6F          BSR    Z69B0
163 6941 CE 0000          LDU    #WAVBAS
164 6944 A6 C4 Z6944 LDA    ,U
165 6946 B1 FF          CMPA    #FF
166 6948 27 E1          BEQ    Z692B

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167	694A	FC	FD12		LDD	>ZFD12	
168	694D	10A3	42		CMPD	#02,U	
169	6950	22	29		BHI	Z697B	
170	6952	BE	E900		LDX	#ZE900	
171	6955	EC	C4	Z6955	LDD	,U	
172	6957	B1	FF		CMFA	##FF	
173	6959	27	D0		BEQ	Z692B	
174	695B	ED	B1		STD	,X++	
175	695D	33	44		LEAU	#04,U	
176	695F	A6	C4		LDA	,U	
177	6961	B1	FF		CMFA	##FF	
178	6963	27	0B		BEQ	Z696D	
179	6965	EC	42		LDD	#02,U	
180	6967	10B3	FD12		CMPD	>ZFD12	
181	696B	22	E8		BHI	Z6955	
182	696D	B6	FF	Z696D	LDA	##FF	
183	696F	A7	B4		STA	,X	
184	6971	FC	E900		LDD	>ZE900	
185	6974	BE	6FE4		LDX	#Z6FE4	
186	6977	AD	9F 582B		JSR	[Z582B]	TEXAB Sense
187	697B	AD	9F EE05	Z697B	JSR	[80FKEY]	
188	697F	B1	14		CMFA	##14	
189	6981	27	C1		BEQ	Z6944	
190	6983	B1	05		CMFA	##05	
191	6985	27	A4		BEQ	Z692B	
192	6987	7F	EA67		CLR	>RECCC	
193	698A	C6	05	Z698A	LDB	##05	
194	698C	E7	62		STB	#02,B	
195	698E	B6	B1		LDA	##B1	
196	6990	BE	6FEB		LDX	#Z6FEB	
197	6993	AD	9F 5834		JSR	[Z5834]	Sense
198	6997	7E	6B0E		JMP	>Z6B0E	
199							
200	699A	CE	0000	Z699A	LDU	#WAVBAS	
201	699D	CC	0012		LDD	##0012	
202	69A0	ED	C1		STD	,U++	
203	69A2	CC	FFFF		LDD	##FFFF	
204	69A5	ED	C1		STD	,U++	
205	69A7	B6	04		LDA	##04	
206	69A9	B7	EA67		STA	>RECCC	
207	69AC	BD	02		BSR	Z69B0	
208	69AE	20	23		BRA	Z69D3	
209							
210	69B0	B6	B1	Z69B0	LDA	##B1	
211	69B2	B7	FD11		STA	>ZFD11	
212	69B5	5F			CLRB		
213	69B6	F7	FD10		STB	>ZFD10	
214	69B7	B6	B0		LDA	##B0	
215	69B8	B7	FD11		STA	>ZFD11	
216	69BE	C6	92		LDB	##92	
217	69C0	F7	FD10		STB	>ZFD10	
218	69C3	BE	0FA0		LDX	#Z0FA0	
219	69C6	BF	FD16		STX	>ZFD16	
220	69C9	BE	FFFF		LDX	#ZFFFF	

221	69CC BF	FD12	STX	>ZFD12
222	69CF 39		RTS	
223				
224	69D0 CE	4000	Z69D0	LDU #TENDE
225	69D3 86	01	Z69D3	LDA ##01
226	69D5 B7	E903		STA >ZE903
227	69D8 BD	6BBE		JSR >Z6BBE
228	69DB CC	0A01		LDD ##0A01
229	69DE FD	EA64		STD >FUNKT
230	69E1 86	01		LDA ##01
231	69E3 BD	6B14		JSR >Z6B14
232	69E6 B6	FF	Z69E6	LDA ##FF
233	69E8 B7	FD02		STA >PIA+2
234	69EB 7C	EA6E		INC >HMERK
235	69EE AD	9F 583C		JSR [Z583C]
236	69F2 7D	EA62		TST >SENDF
237	69F5 1027	008B		LBEO Z6A84
238	69F9 7D	EA4A		TST >TSWAVE
239	69FC 1026	0084		LBNE Z6A84
240	6A00 B6	FE		LDA ##FE
241	6A02 B7	FD02		STA >PIA+2
242	6A05 B6	EA67		LDA >RECCC
243	6A08 B1	04		CMPA ##04
244	6A0A 26	0F		BNE Z6A1B
245	6A0C B1	02		CMPA ##02
246	6A0E 27	0B		BEQ Z6A1B
247	6A10 B6	02		LDA ##02
248	6A12 B7	EA67		STA >RECCC
249	6A15 BE	FFFF		LDX #ZFFFF
250	6A18 BF	FD12		STX >ZFD12
251	6A1B C6	50	Z6A1B	LDB ##50
252	6A1D 5A		Z6A1D	DECB
253	6A1E 26	FD		BNE Z6A1D
254	6A20 B6	E900		LDA >ZE900
255	6A23 B1	FF		CMPA ##FF
256	6A25 1027	0102		LBEO Z6B2B
257	6A29 11B3	3FF0		CMPL #Z3FF0
258	6A2D 24	14		BCC Z6A43
259	6A2F 10BE	FD12		LDY >ZFD12
260	6A33 BE	E900		LDX #ZE900
261	6A36 EC	B1	Z6A36	LDD ,X++
262	6A38 B1	FF		CMPA ##FF
263	6A3A 27	07		BEQ Z6A43
264	6A3C ED	C1		STD ,U++
265	6A3E 10AF	C1		STY ,U++
266	6A41 20	F3		BRA Z6A36
267				
268	6A43 B6	FF	Z6A43	LDA ##FF
269	6A45 B7	E90E		STA >ZE90E
270	6A48 7D	EA6A		TST >KEYBM
271	6A4B 26	0C		BNE Z6A59
272	6A4D BD	6FC6		JSR >Z6FC6
273	6A50 CC	0201		LDD #0201
274	6A53 AD	9F 5834		JSR [Z5834]

```

275 6A57 20 2B          BRA    Z6AB4
276
277 6A59 B6 EA6A      Z6A59 LDA    >KEYBM
278 6A5C 81 04          CMPA   ##04
279 6A5E 25 00          BCS    Z6A60
280 6A60 B6 EA6C      Z6A60 LDA    >EVUA
281 6A63 B7 EA3E          STA    >UNIT
282 6A66 CC 0201      LDD     ##0201
283 6A69 7C EA6E          INC    >HMERK
284 6A6C AD 9F 5834    JSR     [Z5834]
285 6A70 7D EA4A          TST    >TSWAVE
286 6A73 26 CE          BNE    Z6A43
287 6A75 7D EA6A          TST    >KEYBM
288 6A78 27 0A          BEQ    Z6A84
289 6A7A FC E900      LDD     >ZE900
290 6A7D 8E 6FF0      LDX     #Z6FF0
291 6A80 AD 9F 5828    JSR     [Z5828]
292 6A84 B6 FF          Z6A84 LDA    ##FF
293 6A86 B7 FD02      STA    >PIA+2
294 6A89 B6 FCF4      LDA    >PIA2
295 6A8C 44           LSRA
296 6ABD 24 0E          BCC    Z6A9D
297 6ABF B6 FCF5      LDA    >ZCF5
298 6A92 B1 AA          CMPA   ##AA
299 6A94 26 07          BNE    Z6A9D
300 6A96 B7 EA61      STA    >PHI
301 6A99 AD 9F 6012    JSR     [Z6012]
302 6A9D AD 9F EE05    Z6A9D JSR     [SOFKEY]
303 6AA1 81 14          CMPA   ##14
304 6AA3 1027 FF3F      LBEQ   Z69E6
305 6AA7 F6 EA67      LDB    >RECCC
306 6AAA C1 02          CMPB   ##02
307 6AAC 1027 FE50      LBEQ   Z6900
308 6AB0 B1 09          CMPA   ##09
309 6AB2 1022 FF30      LBHI   Z69E6
310 6AB6 34 40          PSHS   U
311 6AB8 34 02          PSHS   A
312 6ABA 4C           INCA
313 6ABE AD 9F 582A    JSR     [Z582A]
314 6ABF A6 E4          LDA    ,S
315 6AC1 8E 6002      LDX     #Z6002
316 6AC4 48           ASLA
317 6AC5 AD 96          JSR     [A,X]
318 6AC7 35 02          PULS   A
319 6AC9 4C           INCA
320 6ACA AD 9F 582A    JSR     [Z582A]
321 6ACE 35 40          PULS   U
322 6AD0 16 FF13      LBRA   Z69E6
323
324 6AD3 B6 EA3E      Z6AD3 LDA    >UNIT
325 6AD6 34 02          PSHS   A
326 6AD8 C6 04          LDB    ##04
327 6ADA 5D           Z6ADA TSTB
328 6ADB 27 29          BEQ    Z6B06

```

TeXAS Pendle

Hole Data
über ACIA und
Transmit ins Wave 2.3

329	6ADD 5A		DECB
330	6ADE 108E ECE0		LDY #ZECE0
331	6AE2 A6 A5		LDA B,Y
332	6AE4 B1 FF		CMPA ##FF
333	6AE6 27 F2		BEQ Z6ADA
334	6AE8 34 04		PSHS B
335	6AEA 58		ASLB
336	6AEB 58		ASLB
337	6AEC 58		ASLB
338	6AED 58		ASLB
339	6AEE F7 EA3E		STB >UNIT
340	6AF1 86 B0		LDA ##B0
341	6AF3 8E 6FF4		LDX #Z6FF4
342	6AF6 AD 9F 5828		JSR [Z5828]
343	6AFA 4F		CLRA
344	6AFB 8E 6FF8		LDX #Z6FF8
345	6AFE AD 9F 5828		JSR [Z5828]
346	6B02 35 04		PULS B
347	6B04 20 D4		BRA Z6ADA
348			
349	6B06 4F	Z6B06	CLRA
350	6B07 8D 0B		BSR Z6B14
351	6B09 35 02		PULS A
352	6B0B B7 EA3E		STA >UNIT
353	6B0E 86 FF	Z6B0E	LDA ##FF
354	6B10 B7 FD02		STA >PIA+2
355	6B13 39		RTS
356			
357	6B14 B7 E900	Z6B14	STA >ZE900
358	6B17 F6 ECE4		LDB >ZECE4
359	6B1A B1 FF		CMPA ##FF
360	6B1C 27 0C		BEQ Z6B2A
361	6B1E 86 40		LDA ##40
362	6B20 B7 EA3E		STA >UNIT
363	6B23 CC 0007		LDD ##0007
364	6B26 AD 9F 5834		JSR [Z5834]
365	6B2A 39	Z6B2A	RTS
366			
367	6B2B FC E901	Z6B2B	LDD >ZE901
368	6B2E 34 06		PSHS B,A
369	6B30 BE 6E90		LDX #Z6E90
370	6B33 30 04	Z6B33	LEAX #04,X
371	6B35 EC 84		LDD ,X
372	6B37 10B3 FFFF		CMPD ##FFFF
373	6B3B 27 0D		BEQ Z6B4A
374	6B3D 10A3 E4		CMPD ,B
375	6B40 26 F1		BNE Z6B33
376	6B42 AD 9B 02		JSR [#02,X]
377	6B45 35 06		PULS B,A
378	6B47 16 FF3A		LBRA Z6A84
379			
380	6B4A BD 6CB9	Z6B4A	JSR >Z6CB9
381	6B4D 35 06		PULS B,A
382	>6B4F BD 6B93		JSR >Z6B93

TEXAS

I enclose

383	6B52 16	FF2F		LBRA	Z6AB4	
384						
385	6B55 B6	E903	Z6B55	LDA	>ZE903	
386	6B58 B7	EA6A		STA	>KEYBM	
387	6B5B 4D			TSTA		
388	6B5C 27	02		BEQ	Z6B60	
389	6B5E B6	01		LDA	##01	
390	6B60 B7	E900	Z6B60	STA	>ZE900	
391	6B63 B6	EA6D		LDA	>RAM6D	
392	6B66 B7	EA3E		STA	>UNIT	
393	6B69 CC	0007		LDD	##0007	
394	6B6C 6E	9F 5B34		JMP	[Z5B34]	
395						
396	6B70 B6	E903	Z6B70	LDA	>ZE903	
397	6B73 27	0B		BEQ	Z6B7D	
398	6B75 F6	EA6D		LDB	>RAM6D	
399	6B78 C1	FF		CMFB	##FF	
400	6B7A 26	01		BNE	Z6B7D	
401	6B7C 39			RTS		
402						
403	6B7D B7	EA74	Z6B7D	STA	>EA74	
404	6B80 7D	EA6A		TST	>KEYBM	
405	6B83 27	DB		BEQ	Z6B60	
406	6B85 39			RTS		
407						
408	6B86 B6	E903	Z6B86	LDA	>ZE903	
409	6B89 B7	EA69		STA	>SPLIT	
410	6B8C 39			RTS		
411						
412	6B8D 17	00F9	Z6B8D	LBSR	Z6C89	
413	6B90 CC	0202		LDD	##0202	
414	6B93 34	02	Z6B93	PSHS	A	
415	6B95 B6	EA6C		LDA	>EVUA	
416	6B98 B7	EA3E		STA	>UNIT	
417	6B9B 35	02		PULS	A	
418	6B9D 7E	6FB7		JMP	>Z6FB7	TRANSMIT
419						
420	6BA0 B6	E903	Z6BA0	LDA	>ZE903	
421	6BA3 7F	EA3E		CLR	>UNIT	
422	6BA6 8E	6FFC		LDX	##Z6FFC	
423	6BA9 4D	9F 5B2B		JSR	[Z5B2B]	TEXAB Smoke
424	6BAD 39			RTS		
425						
426	6BAE 17	00D8	Z6BAE	LBSR	Z6C89	
427	6BB1 B6	EA6D		LDA	>RAM6D	
428	6BB4 B7	EA3E		STA	>UNIT	
429	6BB7 CC	0202		LDD	##0202	
430	6BBB BD	6E7B		JSR	>Z6E7B	
431	6BBD 39			RTS		
432						
433	6BBE F6	EA6C	Z6BBE	LDB	>EVUA	
434	6BC1 26	07		BNE	Z6BCA	
435	6BC3 F6	ECE4		LDB	>ZECE4	
436	6BC6 C1	FF		CMFB	##FF	

437	6BC8	27	1F		BEQ	Z6BE9		
438	6BCA	B6	E903	Z6BCA	LDA	>ZE903		
439	6BCD	BA	80		DRA	##80		
440	6BCF	B7	E900		STA	>ZE900		
441	6BD2	CC	0007		LDD	##0007		
442	6BD5	BD	8C		BSR	Z6B93		
443	6BD7	7D	EA6A		TST	>KEYBM		
444	6BDA	27	0D		BEQ	Z6BE9		
445	6BDC	B6	EA6D		LDA	>RAM6D		
446	6BDF	B7	EA3E		STA	>UNIT		
447	6BE2	CC	0007		LDD	##0007		
448	6BE5	6E	9F 5834		JMF	[Z5834]		
449								
450	6BE9	39		Z6BE9	RTS			
451								
452	6BEA	39		Z6BEA	RTS			
453								
454	6BED	8E	E903	Z6BED	LDX	##ZE903		
455	6BEE	10BE	E928		LDY	##ZE928		
456	6BF2	C6	0C		LDB	##0C		
457	6BF4	BD	6C98		JSR	>Z6C98	x → y	
458	6BF7	B6	E928		LDA	>ZE928	} !	
459	6BFA	B7	EA69		STA	>SPLIT		
460	6BFD	B6	E929		LDA	>ZE925		
461	6C00	B7	EA6A		STA	>KEYBM	} 4 Byte versatz + Codierung	
462	6C03	8E	E928		LDX	##ZE928		
463	6C06	10BE	E901		LDY	##ZE901		
464	>6C0A	BD	6C73		JSR	>Z6C73		
465	6C0D	7D	E92A		TST	>ZE92A		
466	6C10	2A	0E		RPL	Z6C20		
467	6C12	27	0C		BEQ	Z6C20		
468	6C14	BD	6FC6		JSR	>Z6FC6		
469	6C17	CC	0202		LDD	##0202		
470	6C1A	AD	9F 5834		JSR	[Z5834]		
471	6C1E	20	35		BRA	Z6C55		
472								
473	6C20	FC	E900	Z6C20	LDD	>ZE900		
474	6C23	8E	7000		LDX	##Z7000		
475	6C26	AD	9F 5828		JSR	[Z5828]	TEXAS Jensele	
476	6C2A	7D	EA6A		TST	>KEYBM		
477	6C2D	27	16		BEQ	Z6C45		
478	6C2F	6E	E930		LDX	##ZE930	} 4 Bytes	
479	6C32	10BE	E901		LDY	##ZE901		
480	>6C36	BD	6C73		JSR	>Z6C73		
481	6C39	B6	EA6D		LDA	>RAM6D		
482	6C3C	B7	EA3E		STA	>UNIT		
483	6C3F	CC	0202		LDD	##0202		
484	6C42	BD	6E78		JSR	>Z6E78	→ Transmitt	
485	6C45	B6	E92A	Z6C45	LDA	>ZE92A		
486	6C48	27	0B		BEQ	Z6C55		
487	6C4A	2B	09		BMI	Z6C55		
488	6C4C	8A	80		DRA	##80		
489	6C4E	BE	7004		LDX	##Z7004		
490	6C51	AD	9F 5828		JSR	[Z5828]		

```

491 6C55 7D EA6A Z6C55 TST >KEYBM
492 6C58 27 18 BEQ Z6C72
493 6C5A B6 E92F LDA >ZE92F
494 6C5D 27 13 BEQ Z6C72
495 6C5F 2B 11 BMI Z6C72
496 6C61 BA 90 ORA ##00
497 6C63 B7 E900 STA >ZE900
498 6C66 B6 EA6D LDA >RAM6D
499 6C69 B7 EA3E STA >UNIT
500 6C6C CC 0002 LDD ##0002
501 6C6F BD 6E7B JSR >Z6E7B
502 6C72 39 Z6C72 RTS

```

```

504 6C73 C6 04 Z6C73 LDB ##04
505 6C75 A6 B0 Z6C75 LDA ,X+
506 6C77 B4 70 ANDA ##70
507 6C79 44 LSRA
508 6C7A 44 LSRA
509 6C7B 44 LSRA
510 6C7C 44 LSRA
511 6C7D A7 A0 STA ,Y+
512 6C7F A6 1F LDA -#01,X
513 6C81 B4 07 ANDA ##07
514 6C83 A7 A0 STA ,Y+
515 6C85 5A DECB
516 6C86 26 ED BNE Z6C75
517 6C88 39 RTS

```

E92B

E930

↓ 4 Bytes

E907

E907

```

519 6C89 34 30 Z6C89 PSHS Y,X
520 6C8B 10BE E900 LDY #ZE900
521 6C8F 8E E903 LBX #ZE903
522 6C92 C6 0C LDB ##0C
523 6C94 BD 02 BSR Z6C9B
524 6C96 35 B0 PULS PC,Y,X

```

E903

E900

↓ ↓ ↓ 12 Bytes

```

526 6C98 A6 B0 Z6C98 LDA ,X+
527 6C9A A7 A0 STA ,Y+
528 6C9C 5A DECB
529 6C9D 26 F9 BNE Z6C9B
530 6C9F 39 RTS

```

x → y

```

532 6CA0 B6 E904 Z6CA0 LDA >ZE904
533 6CA3 B1 03 CMPA ##03
534 6CA5 26 5E BNE Z6D05
535 6CA7 B6 40 LDA ##40
536 6CA9 B7 EA75 STA >RAM75
537 6CAC 10BE E900 Z6CAC LDY #ZE900
538 6CB0 B6 EC9F LDA >ZEC9F
539 6CB3 A7 A0 STA ,Y+
540 6CB5 FC EC9D LDD >ZEC9D
541 6CB8 ED A1 STD ,Y++
542 6CBA BE ECA0 LDX #ZECA0
543 6CBD C6 20 LDB ##20
544 6CBF BD D7 BSR Z6C9B

```

E900

E901

520 → E904 + N

File Name? Pascal Parameter

545	6CC1	8E	EC90		LDX	#ZC00	) + 7 Bytes Split points
546	6CC4	C6	07		LDC	#07	
547	6CC6	8D	D0		BSR	Z6E9B	
548	6CC8	B6	EA75		LDA	>RAM75	
549	6CCB	B7	EA3E		STA	>UNIT	
550	6CCE	CC	0307		LDD	#0307	
551	6CD1	AD	9F 5834		JSR	[Z5834]	
552	6CD5	BD	6EBE		JSR	>Z6EBE	
553	6CD8	4F			CLRA		
554	6CD9	34	02		PSHS	A	
555	6CDB	A6	E4	Z6CDB	LDA	,S	
556	6CDD	B7	E900		STA	>ZE900	
557	6CE0	BD	6FC6		JSR	>Z6FC6	
558	6CE3	CC	0014		LDD	#0014	
559	6CE6	BD	6FB7		JSR	>Z6FB7	→ Transmit
560	6CE9	CC	0B05		LDD	#0B05	
561	6CEC	BD	6FB7		JSR	>Z6FB7	→ "
562	6CEF	B6	EA75		LDA	>RAM75	
563	6CF2	B7	EA3E		STA	>UNIT	
564	6CF5	CC	0305		LDD	#0305	
565	6CF8	BD	6FB7		JSR	>Z6FB7	→ "
566	6CFB	6C	E4		INC	,S	
567	6CFD	A6	E4		LDA	,S	
568	6CFF	B1	0B		CMFA	#0B	
569	6D01	26	DB		BNE	Z6CDB	
570	6D03	32	61		LEAS	#01,S	
571	6D05	39		Z6D05	RTS		
572							
573	6D06	39		Z6D06	RTS		
574							
575	6D07	B4	7F	Z6D07	ANDA	#7F	
576	6D09	B7	EA79		STA	>EA79	
577	6D0C	CC	0019		LDD	#0019	
578	6D0F	AD	9F 5834		JSR	[Z5834]	
579	6D13	BD	97		BSR	Z6CAC	
580	6D15	39			RTS		
581							
582	6D16	B7	E900	Z6D16	STA	>ZE900	
583	6D19	B6	60		LDA	#60	
584	6D1B	B7	EA3E		STA	>UNIT	
585	6D1E	B7	EA75		STA	>RAM75	
586	6D21	B6	EA79		LDA	>EA79	
587	6D24	2B	E1		BMI	Z6D07	
588	6D26	CC	0006		LDD	#0006	
589	6D29	AD	9F 5834		JSR	[Z5834]	
590	6D2D	BD	6E5F		JSR	>Z6E5F	
591	6D30	26	D4		BNE	Z6D06	
592	6D32	20	0E		BRA	Z6D42	
593							
594	6D34	B6	E903	Z6D34	LDA	>ZE903	
595	6D37	B1	FF		CMFA	#FF	
596	6D39	1027	FF63		LBEG	Z6CA0	
597	6D3D	C6	40		LDB	#40	
598	6D3F	F7	EA75		STB	>RAM75	

599	6D42 7F	EA2E	Z6D42	CLR	>MERK2	
600	6D45 B6	EA75		LDA	>RAM75	
601	6D48 B7	EA3E		STA	>UNIT	
602	6D4B CC	0B07		LDD	#0B07	
603	6D4E AD	9F 5834		JSR	[Z6B34]	<i>pende</i>
604	6D52 BE	E900		LDX	#ZE900	
605	6D55 10BE	E980		LDY	#ZE980	<i>E900</i>
606	6D59 C6	64		LDB	#64	<i>E964</i> → <i>(E980 / E9E4)</i>
607	6D5B BD	6C98		JSR	>Z6C98	
608	6D5E BE	E900		LDX	#ZE900	
609	6D61 A6	80		LDA	,X+	
610	6D63 B7	EC9F		STA	>ZEC9F	<i>2</i>
611	6D66 EC	B1		LDD	,X++	
612	6D68 FD	EC9D		STD	>ZEC9D	
613	6D6B 10BE	ECA0		LDY	#ZECA0	
614	6D6F C6	20		LDB	#20	
615	6D71 BD	6C98		JSR	>Z6C98	
616	6D74 10BE	EC90		LDY	#ZEC90	<i>→ Verretrie Stack → ECxx</i>
617	6D78 C6	07		LDB	#07	
618	6D7A BD	6C98		JSR	>Z6C98	
619	6D7D BD	6FC6		JSR	>Z6FC6	
620	6D80 CE	ECA0		LDU	#ZECA0	
621	6D83 11B3	ECC0	Z6D83	CMPU	#ZECC0	
622	6D87 24	21		BCC	Z6DAA	
623	6D89 A6	C4		LDA	,U	
624	6D8B 27	16		BEQ	Z6DA3	
625	6D8D A6	41		LDA	#01,U	
626	6D8F B0	30		SUBA	#30	
627	6D91 C6	0A		LDB	#0A	
628	6D93 3D			MUL		
629	6D94 EB	42		ADDB	#02,U	
630	6D96 C0	30		SUBB	#30	
631	6D98 CA	80		ORB	#80	
632	6D9A F7	E900		STB	>ZE900	
633	6D9D 34	40		PSHB	U	
634	6D9F BD	2B		BSR	Z6DCC	
635	6DA1 35	40		PULB	U	
636	6DA3 33	44	Z6DA3	LEAU	#04,U	
637	6DA5 7C	EA2E		INC	>MERK2	
638	6DAB 20	D9		BRA	Z6D83	
639						
640	6DAA BE	EC90	Z6DAA	LDX	#ZEC90	
641	6DAD 10BE	E900		LDY	#ZE900	
642	6DB1 C6	07		LDB	#07	<i>ECxx → Stack</i>
643	6DB3 BD	6C98		JSR	>Z6C98	
644	6DB6 B6	EC9F		LDA	>ZEC9F	
645	6DB9 B7	E90F		STA	>ZE90F	
646	6DBC FC	EC9D		LDD	>ZEC9D	
647	6DBF FD	E90D		STD	>ZE90D	
648	6DC2 BD	6FC6		JSR	>Z6FC6	
649	6DC5 CC	0206		LDD	#0206	
650	6DCB 6E	9F 5834		JMP	[Z6B34]	
651						
652	6DCC B6	EA2E	Z6DCC	LDA	>MERK2	

653	6DCF B7	EA6B	STA	>BANK	
654	6DD2 AD	9F 6026	JSR	[Z6026]	
655	6DD6 B6	EA75	LDA	>RAM75	
656	6DD9 B7	EA3E	STA	>UNIT	
657	6DDC CC	0014	LDD	##0014	
658	6DDF BD	6FB7	JSR	>Z6FB7	
659	6DE2 CC	0B05	LDD	##0B05	
660	6DE5 BD	6FB7	JSR	>Z6FB7	
661	6DE8 BE	E900	LDX	#ZE900	
662	6DEB 10BE	4000	LDY	#TENDE	
663	6DEF C6	64	LDB	##64	
664	6DF1 BD	6C9B	JSR	>Z6C9B	
665	6DF4 B6	403E	LDA	>Z403E	
666	6DF7 B7	EA72	STA	>ZEA72	
667	6DFA BE	4039	LDX	#Z4039	
668	6DFD 10BE	C0B5	LDY	#ZC0B5	
669	6E01 C6	54	LDB	##54	
670	6E03 E7	3F	STB	-#01,Y	
671	6E05 C6	03	LDB	##03	
672	6E07 BD	6C9B	JSR	>Z6C9B	
673	6E0A BD	6FC6	JSR	>Z6FC6	
674	6E0D B6	4037	LDA	>Z4037	
675	6E10 7C	EA76	INC	>ZEA76	
676	6E13 AD	9F 6022	JSR	[Z6022]	
677	6E17 B6	04	LDA	##04	
678	6E19 B7	FD03	STA	>PIA+3	
679	6E1C B6	EA75	LDA	>RAM75	
680	6E1F B7	EA3E	STA	>UNIT	
681	6E22 B6	B0	LDA	##B0	
682	6E24 B7	E900	STA	>ZE900	
683	6E27 CC	0004	LDD	##0004	
684	6E2A BD	6FB7	JSR	>Z6FB7	
685	6E2D BE	03E8	LDX	#Z03E8	
686	6E30 30	1F	LEAX	-#01,X	
687	6E32 27	0C	BED	Z6E40	
688	6E34 F6	FD03	LDB	>PIA+3	
689	6E37 5B		ASLB		
690	6E3B 5B		ASLB		
691	6E39 24	F5	BCC	Z6E30	
692	6E3B F6	FD02	LDB	>PIA+2	
693	6E3E 20	ED	BRA	Z6E2D	
694					
695	6E40 BE	4000	LDX	#TENDE	
696	6E43 10BE	E900	LDY	#ZE900	
697	6E47 C6	64	LDB	##64	
698	6E49 BD	6C9B	JSR	>Z6C9B	
699	6E4C B6	EA2E	LDA	>MERK2	
700	6E4F B7	E950	STA	>ZE950	
701	6E52 BD	6FC6	JSR	>Z6FC6	
702	6E55 CC	0305	LDD	##0305	
703	6E5B BD	6FB7	JSR	>Z6FB7	
704	6E5B BE	9F 6026	JMP	[Z6026]	
705					
706	6E5F B6	FF	LDA	##FF	

*x → y au Transiste
parametre*
4039 3A3B
"T" x x x
Mode
Transmit (K. Bin)
→ Transmit (genre V.C.M)
4000 E900
x → y
→ Transmit, 564 Wave Data

707	6E61	B7	FD02	STA	>PIA+2
708	6E64	AD	9F 5B3C	JSR	[Z5B3C]
709	6E68	7D	EA62	TST	>SENDF
710	6E6B	27	F2	BEQ	Z6E5F
711	6E6D	B6	EA3E	LDA	>UNIT
712	6E70	B1	60	CMPL	##60
713	6E72	26	EB	BNE	Z6E5F
714	6E74	7D	EA4A	TST	>TSWAVE
715	6E77	39		RTS	
716					
717	6E7B	34	06	PSHS	B,A
718	6E7A	10BE	ECE0	LDY	#ZECE0
719	6E7E	B6	EA3E	LDA	>UNIT
720	6E81	44		LSRA	
721	6E82	44		LSRA	
722	6E83	44		LSRA	
723	6E84	44		LSRA	
724	6E85	E6	A6	LDB	A,Y
725	6E87	C1	FF	CMPL	##FF
726	6E89	26	03	BNE	Z6E8E
727	6E8B	32	62	LEAS	#02,S
728	6E8D	39		RTS	
729					
730	6E8E	35	06	Z6E8E	PULS B,A
731	6E90	6E	9F 5B34	Z6E90	JMP [Z5B34]
732					
733	6E94	0000		FDB	WAVBAS
734	6E96	6B55		FDB	Z6B55
735	6E98	0001		FDB	Z0001
736	6E9A	6B86		FDB	Z6B86
737	6E9C	0002		FDB	Z0002
738	6E9E	6BEB		FDB	Z6BEB
739	6EA0	0007		FDB	Z0007
740	6EA2	6BBE		FDB	Z6BBE
741	6EA4	0202		FDB	Z0202
742	6EA6	6BBD		FDB	Z6BBD
743	6EA8	0203		FDB	Z0203
744	6EAA	6BAE		FDB	Z6BAE
745	6EAC	0503		FDB	Z0503
746	6EAE	6BEA		FDB	Z6BEA
747	6EB0	0003		FDB	Z0003
748	6EB2	6BA0		FDB	Z6BA0
749	6EB4	0015		FDB	Z0015
750	6EB6	6B70		FDB	Z6B70
751	6EB8	0016		FDB	Z0016
752	6EBA	6D34		FDB	Z6D34
753	6EBC	FFFF		FDB	ZFFFF
754					
755	6EBE	3410	Z6EBE	FDB	Z3410
756					
757	6EC0	8E	1000	LDX	#W1000
758	6EC3	30	1F	Z6EC3	LEAX -#01,X
759	6EC5	26	FC	BNE	Z6EC3
760	6EC7	35	90	PULS	PC,X

802	6F4B A6	62	LDA	#02,S
803	6F4D 48		ASLA	
804	6F4E 48		ASLA	
805	6F4F AB	62	ADDA	#02,S
806	6F51 AB	62	ADDA	#02,S
807	6F53 AE	A6	LDX	A,Y
808	6F55 34	10	PSHS	X
809	6F57 BB	02	ADDA	#02
810	6F59 AE	A6	LDX	A,Y
811	6F5B 34	10	PSHS	X
812	6F5D BB	02	ADDA	#02
813	6F5F 6D	A6	TST	A,Y
814	6F61 27	16	BEQ	Z6F79
815	6F63 4C		INCA	
816	6F64 E6	A6	LDB	A,Y
817	6F66 86	08	LDA	#08
818	6F68 AD	9F 5834	JSR	[Z5834]
819	6F6C 7D	EA4A	TST	>T5WAVE
820	6F6F 26	2E	BNE	Z6F9F
821	6F71 10BE	E900	LDY	#ZE900
822	6F75 10BF	EA2D	STY	>MERK1
823	6F79 10BE	EA2D	LDY	>MERK1
824	6F7D EC	E4	LDD	,B
825	6F7F AD	9F 5824	JSR	[Z5824] <i>je cur</i>
826	6F83 AE	62	LDX	#02,S
827	>6F85 BD	6FA2	JSR	>Z6FA2
828	6F8B EC	E4	LDD	,B
829	6F8A 8B	01	ADDA	#01
830	6F8C AD	9F 5824	JSR	[Z5824] <i>je cur</i>
831	6F90 AE	62	LDX	#02,S
832	6F92 30	88 29	LEAX	#29,X
833	>6F95 BD	6FA2	JSR	>Z6FA2
834	6F98 32	64	LEAS	#04,S
835	6F9A 10BF	EA2D	STY	>MERK1
836	6F9E 39		RTS	
837				
838	6F9F 32	64	Z6F9F LEAS	#04,S
839	6FA1 39		RTS	
840				
841	6FA2 A6	80	<u>Z6FA2</u> LDA	,X+
842	6FA4 81	04	CMFA	#04
843	6FA6 27	0E	BEQ	Z6FB6
844	6FAB 81	40	CMFA	#040
845	6FAA 27	06	BEQ	Z6FB2
846	6FAC AD	9F 5832	JSR	[Z5832] <i>outck</i>
847	6FB0 20	F0	BRA	Z6FA2
848				
849	6FB2 A6	A0	Z6FB2 LDA	,Y+
850	6FB4 20	F6	BRA	Z6FAC
851				
852	6FB6 39		Z6FB6 RTS	
853				
854	6FB7 34	10	<u>Z6FB7</u> PSHS	X
855	6FB9 BE	01FF	LDX	#WX1FF

*Wave 2.3**Table Ausgabe**Transmit*

856	6FBC 30	1F	Z6FBC	LEAX	-#01,X
857	6FBE 26	FC		BNE	Z6FBC
858	6FC0 35	10		PULB	X
859	6FC2 6E	9F 5834		JMP	[75834]
860					
861	6FC6 B6	EA6C	Z6FC6	LDA	>EVUA
862	6FC9 7D	EA74		TST	>2EA74
863	6FCC 27	03		BEQ	Z6FD1
864	6FCE B6	EA6D		LDA	>RAM6D
865	6FD1 B7	EA3E	Z6FD1	STA	>UNIT
866	6FD4 39			RTS	
867					
868	6FD5 BE	8000	Z6FD5	LDX	#Z8000
869	6FD8 6F	80	Z6FD8	CLR	,X+
870	6FDA BC	BC00		CMPX	#ZBC00
871	6FDD 26	F9		BNE	Z6FD8
872	6FDF 39			RTS	
873					
874	6FE0 0003		Z6FE0	FDB	Z0003
875	6FE2 EA3E			FDB	UNIT
876					
877	6FE4 0201		Z6FE4	FDB	Z0201
878	6FE6 EA6C			FDB	EVUA
879					
880	6FE8 0007		Z6FE8	FDB	Z0007
881	6FEA EA3E			FDB	UNIT
882	6FEC 0201			FDB	Z0201
883	6FEE EA6C			FDB	EVUA
884					
885	6FF0 0201		Z6FF0	FDB	Z0201
886	6FF2 EA6D			FDB	RAM6D
887					
888	6FF4 0007		Z6FF4	FDB	Z0007
889	6FF6 EA3E			FDB	UNIT
890					
891	6FF8 0003		Z6FF8	FDB	Z0003
892	6FFA EA3E			FDB	UNIT
893					
894	6FFC 0003		Z6FFC	FDB	Z0003
895	6FFE EA3E			FDB	UNIT
896					
897	7000 0202		Z7000	FDB	Z0202
898	7002 EA6C			FDB	EVUA
899					
900	7004 0002		Z7004	FDB	Z0002
901	7006 EA6C			FDB	EVUA
902					
903	7008 7038		Z7008	FDB	Z7038
904	700A 0400			FDB	Z0400
905	700C 0100			FDB	Z0100
906	700E 708A			FDB	Z708A
907	7010 0700			FDB	Z0700
908	7012 0101			FDB	Z0101
909	7014 708A			FDB	Z708A

Clear Bilal Ram.

940	70B3 47 52 4F 55		FCC	"GROUP:3 BD3 BI3 TW3 TF3 TL3 TM3"
	70B7 50 3A 40 20			
	70BB 20 42 44 40			
	70BF 20 42 49 40			
	70C3 20 54 57 40			
	70C7 20 54 46 40			
	70CB 20 54 4C 40			
	70CF 20 54 4D 40			
941	70D3 20 56 46 40		FCC	" VF3 VL3"
	70D7 20 56 4C 40			
942	70DB 04		FCB	\$04
943				
944	70DC 50 52 4F 47	Z70DC	FCC	"PROB:33 DETU:3 MO:3 MS:3 EO:3 E"
	70E0 3A 40 40 20			
	70E4 20 44 45 54			
	70E8 55 3A 40 20			
	70EC 4D 4F 3A 40			
	70F0 20 4D 53 3A			
	70F4 40 20 45 4F			
	70FB 3A 40 20 45			
945	70FC 53 3A 40 20		FCC	"S:3 BI:3"
	7100 42 49 3A 40			
946	7104 04		FCB	\$04
947				
948	7105 47 52 4F 55		FCC	"GROUP:3 SEMIT: 33 33 33 33 33 "
	7109 50 3A 40 20			
	710D 20 53 45 4D			
	7111 49 54 3A 20			
	7115 20 40 40 20			
	7119 40 40 20 40			
	711D 40 20 40 40			
	7121 20 40 40 20			
949	7125 40 40 20 40		FCC	"33 33 33"
	7129 40 20 40 40			
950	712D 04		FCB	\$04
951				
952	712E 50 3A 40 40	Z712E	FCC	"P:33 33 33 33 33 33 33 33 33 "
	7132 20 40 40 20			
	7136 40 40 20 40			
	713A 40 20 20 40			
	713E 40 20 40 40			
	7142 20 40 40 20			
	7146 40 40 20 20			
	714A 40 40 20 20			
953	714E 40 40 20 40		FCC	"33 33 33"
	7152 40 20 40 40			
954	7156 04		FCB	\$04
955				
956	7157 47 52 3A 40		FCC	"BR:3 33 33 33 33 33 33 33 ** "
	715B 20 40 40 20			
	715F 40 40 20 40			
	7163 40 20 20 40			
	7167 40 20 40 40			
	716B 20 40 40 20			

BBINA V2.R3.3

Wave term

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Wave/EVU

Parameter
Display-Set

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P.(M)

OPT PAG

* NAM P.CMDV2R3.3 9.10.84

V 2
R 3.3

Waveterm

Print

2					
3					
4					
5					
6					
7		CC02	ZCC02	EQU	#CC02
8		CC09	ZCC09	EQU	#CC09
9		CC11	ZCC11	EQU	#CC11
10		CCC0	ZCCC0	EQU	#CCC0
11		CCE4	ZCCE4	EQU	#CCE4
12		CCFC	ZCCFC	EQU	#CCFC
13		CD03	WARMST	EQU	#CD03
14		CD06	ZCD06	EQU	#CD06
15		CD10	ZCD10	EQU	#CD10
16		CD1E	ZCD1E	EQU	#CD1E
17		CD30	ZCD30	EQU	#CD30
18		CD3F	ZCD3F	EQU	#CD3F
19		D403	FMSCLS	EQU	#D403
20		D406	ZD406	EQU	#D406
21					
22		CB40	ZCB40	EQU	#CB40
23					
24			* *****		
25	C100			ORG	#C100
26			* *****		
27					
28	C100 20	01	ZC100	BRA	ZC103
29	C102 01			FCB	#01
30					
31	C103 B6	CCFC	ZC103	LDA	>ZCCFC
32	C106 27	09		BEQ	ZC111
33	C108 8E	CB40		LDX	#ZCB40
34	C108 C6	1B		LDB	#1B
35	C10D E7	01		STB	#01,X
36	C10F 20	44		BRA	ZC155
37					
38	C111 B6	CC11	ZC111	LDA	>ZCC11
39	C114 81	0D		CMPA	#0D
40	C116 27	46		BEQ	ZC15E
41	C118 B1	CC02		CMPA	>ZCC02
42	C11B 27	41		BEQ	ZC15E
43	C11D 7F	CC09		CLR	>ZCC09
44	C120 B6	CCE4		LDA	>ZCCE4
45	C123 81	39		CMPA	#39
46	C125 26	14		BNE	ZC13B
47	C127 8E	CB40		LDX	#ZCB40
48	C12A 86	01		LDA	#01
49	C12C A7	84		STA	,X
50	C12E BD	D406		JSR	>ZD406
51	C131 26	14		BNE	ZC147
52	C133 86	FF		LDA	#FF
53	C135 A7	8B 3B		STA	#3B,X
54	C13B BD	CD30		JSR	>ZCD30
55	C13B BD	CCC0	ZC13B	JSR	>ZCCC0
56	C13E 8E	CCE4		LDX	#ZCCE4
57	C141 BF	CD10		STX	>ZCD10
58	C144 7E	CD06		JMP	>ZCD06

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59
60 C147 A6 01      ZC147 LDA    #01,X
61 C149 81 04      CMPA   ##04
62 C14B 26 08      BNE    ZC155
63 C14D 8E C163    LDX    #ZC163
64 C150 BD CD1E    JSR    >ZCD1E
65 C153 20 03      BRA    ZC158
66
67 C155 BD CD3F    JSR    >ZCD3F
68 C158 BD D403    ZC158 JSR    >FMSCLS
69 C15B 7E CD03    JMP    >WARMST
70
71 C15E 8E C179    ZC15E LDX    #ZC179
72 C161 20 ED      BRA    ZC150
73
74 C163 22      ZC163 FCB    $22
75 C164 50 52 49 4E FCC    "PRINT.SYS"
   C168 54 2E 53 59
   C16C 53
76 C16D 22      FCB    $22
77 C16E 20 4E 4F 54 FCC    " NOT FOUND"
   C172 20 46 4F 55
   C176 4E 44
78 C17B 04      FCB    $04
79
80 C179 22      ZC179 FCB    $22
81 C17A 50      FCC    "P"
82 C17B 22      FCB    $22
83 C17C 20 4D 55 53 FCC    " MUST BE FOLLOWED BY A COMMAND"
   C180 54 20 42 45
   C184 20 46 4F 4C
   C188 4C 4F 57 45
   C18C 44 20 42 59
   C190 20 41 20 43
   C194 4F 4D 4D 41
   C198 4E 44
84 C19A 04      FCB    $04
85
86      * *****
87 C843      ORG    $C843
88      * *****
89
90 C843 FF      FCB    $FF
91 C844 50 52 49 4E FCC    "PRINT"
   C848 54
92 C849 00      FCB    $00
93 C84A 00      FCB    $00
94 C84B 00      FCB    $00
95 C84C 53 59 53 FCC    "SYS"
96
97      END    ZC100

```

0 ERROR(S) DETECTED

SYMBOL TABLE:

FMSCLS	D403	WARMST	CD03	ZC100	C100	ZC103	C103	ZC111	C111
ZC13B	C13B	ZC147	C147	ZC150	C150	ZC155	C155	ZC158	C158
ZC15E	C15E	ZC163	C163	ZC179	C179	ZC840	C840	ZCC02	CC02
ZCC09	CC09	ZCC11	CC11	ZCC00	CC00	ZCCE4	CCE4	ZCCFC	CCFC
ZCD06	CD06	ZCD10	CD10	ZCD1E	CD1E	ZCD30	CD30	ZCD3F	CD3F
ZD406	D406								

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P. CHD

FMSCLS	00019	00068
WARMST	00013	00069
ZC100	00028	00097
ZC103	00031	00028
ZC111	00038	00032
ZC13B	00055	00046
ZC147	00060	00051
ZC150	00064	00072
ZC155	00067	00036 00062
ZC158	00068	00065
ZC15E	00071	00040 00042
ZC163	00074	00063
ZC179	00080	00071
ZC840	00022	00033 00047
ZCC02	00007	00041
ZCC09	00008	00043
ZCC11	00009	00038
ZCC00	00010	00055
ZCCE4	00011	00044 00056
ZCCFC	00012	00031
ZCD06	00014	00058
ZCD10	00015	00057
ZCD1E	00016	00064
ZCD30	00017	00054
ZCD3F	00018	00067
ZD406	00020	00050

V2

R 3.3

Waveterm

Print

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P. Binz

V2

R 3.3

Waveterm

Play

Command

		OPT	PAG	
		* NAM P.BINV2R3.3		9.10.84
2				
3				
4				
5				
6				
7	0000	WAVBAS	EQU	\$0000
8	0800	WX800	EQU	\$0800
9	1000	W1000	EQU	\$1000
10	1812	Z1812	EQU	\$1812
11	3000	W3000	EQU	\$3000
12	4010	Z4010	EQU	\$4010
13				
14	5824	SECUR	EQU	\$5824
15	582A	TASHEL	EQU	\$582A
16	5830	INVCH	EQU	\$5830
17	5832	OUTCX	EQU	\$5832
18	5834	SENDE	EQU	\$5834
19	5836	INBUF	EQU	\$5836
20	583A	DOS	EQU	\$583A
21	583C	SENTST	EQU	\$583C
22				
23	7014	Z7014	EQU	\$7014
24				
25	C100	ZC100	EQU	\$C100
26	C3FF	ZC3FF	EQU	\$C3FF
27	C40A	ZC40A	EQU	\$C40A
28	C40E	ZC40E	EQU	\$C40E
29	C54F	ZC54F	EQU	\$C54F
30	C55A	ZC55A	EQU	\$C55A
31	C55E	ZC55E	EQU	\$C55E
32	C831	ZC831	EQU	\$C831
33	C83C	ZC83C	EQU	\$C83C
34	C840	ZC840	EQU	\$C840
35	D403	FMSCLS	EQU	\$D403
36	E224	ZE224	EQU	\$E224
37	E324	ZE324	EQU	\$E324
38	E424	ZE424	EQU	\$E424
39	E900	ZE900	EQU	\$E900
40				
41	EA36	ECHO	EQU	\$EA36
42	EA3D	PAGEM	EQU	\$EA3D
43	EA3E	UNIT	EQU	\$EA3E
44	EA4A	TSWAVE	EQU	\$EA4A
45	EA62	SENDF	EQU	\$EA62
46	EA64	FUNKT	EQU	\$EA64
47	EA68	TESTM	EQU	\$EA68
48				
49	EB02	INPU	EQU	\$EB02
50	EB04	INPENB	EQU	\$EB04
51	EB1A	ZEB1A	EQU	\$EB1A
52	EB1C	ZEB1C	EQU	\$EB1C
53	EB2C	ZEB2C	EQU	\$EB2C
54	EB46	ZEB46	EQU	\$EB46
55	EB47	ZEB47	EQU	\$EB47
56	EB49	ZEB49	EQU	\$EB49
57	EB4A	ZEB4A	EQU	\$EB4A
58	EB4C	ZEB4C	EQU	\$EB4C

59	EB4F	ZEB4F	EQU	\$EB4F
60	EB51	ZEB51	EQU	\$EB51
61				
62	ECB1	ANFA	EQU	\$ECB1
63	ECB3	ENDE	EQU	\$ECB3
64	ECE0	ZECE0	EQU	\$ECE0
65	EE05	SDFKEY	EQU	\$EE05
66	EF0E	INVFLG	EQU	\$EF0E
67	F021	PCRLF	EQU	\$F021
68	F027	PDATA1	EQU	\$F027
69	FFFF	ZFFFF	EQU	\$FFFF
70				
71				
72	EB30		ORG	\$EB30
73				
74				
75	EB30	6DF6	FDB	Z6DF6
76				
77				
78	EB36		ORG	\$EB36
79				
80				
81	EB36	6D10	FDB	Z6D10
82				
83				
84	5802		ORG	\$5802
85				
86				
87	5802	0000	Z5802	FDB WAVBAS
88	5804	0000		FDB WAVBAS
89	5806	0000		FDB WAVBAS
90	5808	0000		FDB WAVBAS
91				
92				
93	7800		ORG	\$7800
94				
95				
96	7800	6900		FDB Z6900
97	7802	6954		FDB Z6954
98	7804	69DC		FDB Z69DC
99	7806	69EB		FDB Z69EB
100				
101				
102	782A		ORG	\$782A
103				
104				
105	782A	6C69		FDB Z6C69
106	782C	6C7C		FDB Z6C7C
107	782E	6DF5		FDB Z6DF5
108	7830	6D83		FDB Z6D83
109	7832	6DF9		FDB Z6DF9
110	7834	6E2B		FDB Z6E2B
111	7836	6C9E		FDB Z6C9E
112	7838	6A1A		FDB Z6A1A

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113 783A 6CD4          FDB      Z6CD4
114
115          * *****
116 6900                ORG      $6900
117          * *****
118
119 6900 B6 EA68  Z6900 LDA      >TESTM
120 6903 81 55      CMPA     ##55
121 6905 26 2F      BNE      Z6936
122 6907 86 02      LDA      ##02
123 6909 B7 EA68      STA      >TESTM
124 690C AD 9F 7014   JSR      [Z7014]
125 6910 25 27      BCS      Z6939
126 6912 86 FF      LDA      ##FF
127 6914 B7 4010     STA      >Z4010
128 6917 CC 0502     LDD      ##0502
129 691A AD 9F 5834   JSR      [SENDE]
130 691E 86 80      LDA      ##80
131 6920 B7 E900     STA      >ZE900
132 6923 CC 0009     LDD      ##0009
133 6926 AD 9F 5834   JSR      [SENDE]
134 692A 86 55      LDA      ##55
135 692C B7 E900     STA      >ZE900
136 692F CC 0004     LDD      ##0004
137 6932 AD 9F 5834   JSR      [SENDE]
138 6936 1C FE      Z6936 ANDCC   ##FE
139 6938 39          RTS
140
141 6939 86 14      Z6939 LDA      ##14
142 693B 5F          CLRB
143 693C AD 9F 5824   JSR      [SECUR]
144 6940 8E 6EAD     LDX      #Z6EAD
145 6943 BD F027     JSR      >PDAT1
146 6946 1C FE      ANDCC   ##FE
147 6948 39          RTS
148
149 6949 86 81      Z6949 LDA      ##81
150 694B B7 E900     STA      >ZE900
151 694E CC 0008     LDD      ##0008
152 6951 16 0090     LBRA     Z69E4
153
154 6954 B6 EA68  Z6954 LDA      >TESTM
155 6957 81 02      CMPA     ##02
156 6959 27 EE      BEQ      Z6949
157 695B 81 55      CMPA     ##55
158 695D 27 D7      BEQ      Z6936
159 695F 7F EA68     CLR      >TESTM
160 6962 B6 EA3E     LDA      >UNIT
161 6965 B7 EB4C     STA      >ZEB4C
162 6968 8E C55E     LDX      #ZC55E
163 696B 108E E224   LDY      #ZE224
164 696F 8D 17      BSR      Z6988
165 6971 8E C40E     LDX      #ZC40E
166 6974 108E E324   LDY      #ZE324

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167	6978	8D	0E		BSR	Z6988
168	697A	8E	C840		LDX	#ZC840
169	697D	10BE	E424		LDY	#ZE424
170	6981	8D	05		BSR	Z6988
171	6983	8D	23		BSR	Z69AB
172	6985	1A	01		ORCC	##01
173	6987	39			RTS	
174						
175	6988	10AF	14	Z6988	STY	-\$0C,X
176	698B	EC	3E		LDD	-\$02,Y
177	698D	10A3	14		CMPD	-\$0C,X
178	6990	2B	0F		BMI	Z69A1
179	6992	83	0100		SUBD	##0100
180	6995	2A	0A		BPL	Z69A1
181	6997	C3	0100		ADDD	##0100
182	699A	ED	1A		STD	-\$06,X
183	699C	EC	3C		LDD	-\$04,Y
184	699E	ED	18		STD	-\$08,X
185	69A0	39			RTS	
186						
187	69A1	10AF	1A	Z69A1	STY	-\$06,X
188	69A4	10AF	18		STY	-\$08,X
189	69A7	39			RTS	
190						
191	69AB	86	07	Z69AB	LDA	##07
192	69AA	B7	EA3D		STA	>PAGEM
193	69AD	86	0C		LDA	##0C
194	69AF	AD	9F 5832		JSR	[OUTCX]
195	69B3	8E	6E85		LDX	#Z6E85
196	69B6	AD	9F EB1A		JSR	[ZEB1A]
197	69BA	BD	6D93		JSR	>Z6D93
198	69BD	8B	30		ADDA	##30
199	69BF	AD	9F 5832		JSR	[OUTCX]
200	69C3	8E	6EB9		LDX	#Z6EB9
201	69C6	AD	9F EB1C		JSR	[ZEB1C]
202	69CA	8E	6DF6		LDX	#Z6DF6
203	69CD	BF	EB02		STX	>INPU
204	69D0	86	01		LDA	##01
205	69D2	B7	EB04		STA	>INPENB
206	69D5	AD	9F 5830		JSR	[INVCH]
207	69D9	7E	6BF0		JMP	>Z6BF0
208						
209	69DC	86	80	Z69DC	LDA	##80
210	69DE	B7	E900		STA	>ZE900
211	69E1	CC	0008		LDD	##0008
212	69E4	AD	9F 5834	Z69E4	JSR	[SENDE]
213	69E8	7E	6ECE		JMP	>Z6ECE
214						
215	69EB	39		Z69EB	RTS	
216						
217	69EC	52 65 61 64		Z69EC	FCC	"Ready for Start"
	69F0	79 20 66 6F				
	69F4	72 20 53 74				
	69F8	61 72 74				

218	69FB 04		FCB	\$04
219				
220	69FC 47 45 54 20	Z69FC	FCC	"GET 0.FB"
	6A00 30 2E 46 42			
221	6A04 04		FCB	\$04
222				
223	6A05 86 09	Z6A05	LDA	##09
224	6A07 AD 9F 582A		JSR	[TASHEL]
225	6A0B BD 6BD9		JSR	>Z6BD9
226	6A0E BD D403	Z6A0E	JSR	>FMSCLS
227	6A11 1C FE		ANDCC	##FE
228	6A13 35 A0		PULS	PC,Y
229				
230	6A15 BD D403	Z6A15	JSR	>FMSCLS
231	6A18 20 08		BRA	Z6A22
232				
233	6A1A 34 20	Z6A1A	PSHS	Y
234	6A1C B6 EA3E		LDA	>UNIT
235	6A1F B7 EB4C		STA	>ZEB4C
236	6A22 BD 6BD9	Z6A22	JSR	>Z6BD9
237	6A25 7F EB49		CLR	>ZEB49
238	6A28 7F C55A		CLR	>ZC55A
239	6A2B 7F C40A		CLR	>ZC40A
240	6A2E 7F C83C		CLR	>ZC83C
241	6A31 B6 EB4C		LDA	>ZEB4C
242	6A34 B7 EA3E		STA	>UNIT
243	6A37 BD 69A8		JSR	>Z69A8
244	6A3A 86 09		LDA	##09
245	6A3C AD 9F 582A		JSR	[TASHEL]
246	6A40 BD 6D93		JSR	>Z6D93
247	6A43 10AE E4		LDY	,S
248	6A46 BD 6D10		JSR	>Z6D10
249	6A49 86 80	Z6A49	LDA	##80
250	6A4B B7 E900		STA	>ZE900
251	6A4E CC 0009		LDD	##0009
252	6A51 AD 9F 5834		JSR	[SENDEI]
253	6A55 8D 85		BSR	Z69DC
254	6A57 B6 EA3E		LDA	>UNIT
255	6A5A B1 EB4C		CMPA	>ZEB4C
256	6A5D 26 18		BNE	Z6A77
257	6A5F AD 9F 5830		JSR	[INVCH]
258	6A63 BE EB4F		LDX	>ZEB4F
259	6A66 10AE 14		LDY	-#0C,X
260	6A69 BD 6D10		JSR	>Z6D10
261	6A6C 8E 69FC		LDX	#Z69FC
262	6A6F AD 9F 5836		JSR	[INBUF]
263	6A73 AD 9F 583A		JSR	[DOS]
264	6A77 BE EB4F	Z6A77	LDX	>ZEB4F
265	6A7A 86 01		LDA	##01
266	6A7C A7 1D		STA	-#03,X
267	6A7E 86 02		LDA	##02
268	6A80 A7 1C		STA	-#04,X
269	6A82 6F 1E		CLR	-#02,X
270	6A84 8E 1812		LDX	#Z1812

271	6A87	BF	EC83		STX	>ENDE
272	6A8A	BF	EB4A		STX	>ZEB4A
273	6ABD	CE	0000		LDU	#WAVBAS
274	6A90	FF	EC81		STU	>ANFA
275	6A93	BE	EB4F		LDX	>ZEB4F
276	6A96	10AE	14		LDY	-#0C,X
277	6A99	BD	C100		JSR	>ZC100
278	6A9C	10AF	12		STY	-#0E,X
279	6A9F	5D			TSTB	
280	6AA0	1026	FF61		LBNE	Z6A05
281	6AA4	6D	1C		TST	-#04,X
282	6AA6	26	1F		BNE	Z6AC7
283	6AAB	7D	EA3E		TST	>UNIT
284	6AAB	26	11		BNE	Z6ABE
285	6AAD	7C	EA3E		INC	>UNIT
286	6AB0	B6	EB49		LDA	>ZEB49
287	6AB3	BA	EA3E		ORA	>UNIT
288	6AB6	B7	EB49		STA	>ZEB49
289	6AB9	7F	EA3E		CLR	>UNIT
290	6ABC	20	09		BRA	Z6AC7
291						
292	6ABE	B6	EB49	Z6ABE	LDA	>ZEB49
293	6AC1	BA	EA3E		ORA	>UNIT
294	6AC4	B7	EB49		STA	>ZEB49
295	6AC7	CC	0701	Z6AC7	LDD	#0701
296	6ACA	AD	9F 5834		JSR	[SENDE]
297	6ACE	8E	FFFF		LDX	#ZFFFF
298	6AD1	BD	6ED1		JSR	>Z6ED1
299	6AD4	B6	55		LDA	#55
300	6AD6	B7	E900		STA	>ZE900
301	6AD9	CC	0004		LDD	#0004
302	6ADC	AD	9F 5834		JSR	[SENDE]
303	6AE0	7D	EA4A		TST	>TSWAVE
304	6AE3	1026	00ED		LBNE	Z6BD4
305	6AE7	BD	6DBF		JSR	>Z6DBF
306	6AEA	27	0A		BEQ	Z6AF6
307	6AEC	B6	EA3E		LDA	>UNIT
308	6AEF	B1	EB4C		CMPS	>ZEB4C
309	6AF2	1026	FF53		LBNE	Z6A49
310	6AF6	CC	0700	Z6AF6	LDD	#0700
311	6AF9	FD	EA64		STD	>FUNKT
312	6AFC	AD	9F 5830		JSR	[INVCH]
313	6B00	CC	0045		LDD	#0045
314	6B03	AD	9F 5824		JSR	[SECUR]
315	6B07	8E	69EC		LDX	#Z69EC
316	6B0A	BD	F027		JSR	>PDATA1
317	6B0D	AD	9F 5830		JSR	[INVCH]
318	6B11	7F	C54F		CLR	>ZC54F
319	6B14	7F	C3FF		CLR	>ZC3FF
320	6B17	7F	C831		CLR	>ZC831
321	6B1A	B6	EB4C	Z6B1A	LDA	>ZEB4C
322	6B1D	B7	EA3E		STA	>UNIT
323	6B20	BD	6D93		JSR	>Z6D93
324	6B23	6D	11	Z6B23	TST	-#0F,X

325	6B25	26	2F		BNE	Z6B56
326	6B27	6D	1C		TST	-\$04,X
327	6B29	27	2B		BEQ	Z6B56
328	6B2B	10AE	12		LDY	-\$0E,X
329	6B2E	B6	EA3E		LDA	>UNIT
330	6B31	B1	ED4C		CMPA	>ZEB4C
331	6B34	26	03		BNE	Z6B39
332	6B36	BD	6D10		JSR	>Z6D10
333	6B39	FE	EB47	Z6B39	LDU	>ZEB47
334	6B3C	30	C9 0B00		LEAX	\$0B00,U
335	6B40	BF	EB4A		STX	>ZEB4A
336	6B43	BE	EB4F		LDX	>ZEB4F
337	6B46	10AE	12		LDY	-\$0E,X
338	6B49	BD	C100		JSR	>ZC100
339	6B4C	10AF	12		STY	-\$0E,X
340	6B4F	5D			TSTB	
341	6B50	1026	00B0		LBNE	Z6BD4
342	6B54	6C	11		INC	-\$0F,X
343	6B56	BD	6DBF	Z6B56	JSR	>Z6DBF
344	6B59	27	0B		BEQ	Z6B63
345	6B5B	B6	EA3E		LDA	>UNIT
346	6B5E	B1	EB4C		CMPA	>ZEB4C
347	6B61	26	C0		BNE	Z6B23
348	6B63	AD	9F EE05	Z6B63	JSR	[SOFKEY]
349	6B67	4D			TSTA	
350	6B68	27	6A		BEQ	Z6BD4
351	6B6A	B1	0B		CMPA	##0B
352	6B6C	1027	FEA5		LBEO	Z6A15
353	6B70	7F	EA62		CLR	>SENDF
354	6B73	AD	9F 5B3C		JSR	[SENTST]
355	6B77	7D	EA62		TST	>SENDF
356	6B7A	27	9E		BEQ	Z6B1A
357	6B7C	7D	EA4A		TST	>TSWAVE
358	6B7F	27	05		BEQ	Z6B86
359	6B81	7D	EB49		TST	>ZEB49
360	6B84	27	4E		BEQ	Z6BD4
361	6B86	BD	6D93	Z6B86	JSR	>Z6D93
362	6B89	6F	11		CLR	-\$0F,X
363	6B8B	6D	1C		TST	-\$04,X
364	6B8D	26	1F		BNE	Z6BAE
365	6B8F	7D	EA3E		TST	>UNIT
366	6B92	26	11		BNE	Z6BA5
367	6B94	7C	EA3E		INC	>UNIT
368	6B97	B6	EB49		LDA	>ZEB49
369	6B9A	BA	EA3E		ORA	>UNIT
370	6B9D	B7	EB49		STA	>ZEB49
371	6BA0	7F	EA3E		CLR	>UNIT
372	6BA3	20	09		BRA	Z6BAE
373						
374	6BA5	B6	EB49	Z6BA5	LDA	>ZEB49
375	6BA8	BA	EA3E		ORA	>UNIT
376	6BAB	B7	EB49		STA	>ZEB49
377	6BAE	34	02	Z6BAE	PSHS	A
378	6BB0	B6	EB4C		LDA	>ZEB4C

379	6BB3 B7	EA3E		STA	>UNIT
380	6BB6 4D		Z6BB6	TSTA	
381	6BB7 26	01		BNE	Z6BBA
382	6BB9 4C			INCA	
383	6BBA A4	E4	Z6BBA	ANDA	,S
384	6BBC 27	12		BEQ	Z6BD0
385	6BBE BD	6DBF		JSR	>Z6DBF
386	6BC1 27	08		BEQ	Z6BCB
387	6BC3 B6	EA3E		LDA	>UNIT
388	6BC6 B1	EB4C		CMPA	>ZEB4C
389	6BC9 26	EB		BNE	Z6BB6
390	6BCB 35	02	Z6BCB	PULS	A
391	6BCD 16	FE3E		LBRA	Z6A0E
392					
393	6BD0 35	02	Z6BD0	PULS	A
394	6BD2 20	8F		BRA	Z6B63
395					
396	6BD4 BD	03	Z6BD4	BSR	Z6BD9
397	6BD6 16	FE35		LBRA	Z6A0E
398					
399	6BD9 B6	EB4C	Z6BD9	LDA	>ZEB4C
400	6BDC B7	EA3E		STA	>UNIT
401	6BDF BD	69DC	Z6BDF	JSR	>Z69DC
402	6BE2 BD	6DBF		JSR	>Z6DBF
403	6BE5 27	08		BEQ	Z6BEF
404	6BE7 B6	EA3E		LDA	>UNIT
405	6BEA B1	EB4C		CMPA	>ZEB4C
406	6BED 26	F0		BNE	Z6BDF
407	6BEF 39		Z6BEF	RTS	
408					
409	6BF0 7F	EB46	Z6BF0	CLR	>ZEB46
410	6BF3 BD	6D93		JSR	>Z6D93
411	6BF6 10AE	14		LDY	-#0C,X
412	6BF9 BD	6D10		JSR	>Z6D10
413	6BFC 10AC	18	Z6BFC	CMPLY	-#0B,X
414	6BFF 26	12		BNE	Z6C13
415	6C01 10AC	14		CMPLY	-#0C,X
416	6C04 27	0A		BEQ	Z6C10
417	6C06 AD	9F 5830		JSR	[INVCH]
418	6C0A 10AE	1A		LDY	-#06,X
419	6C0D BD	6D10		JSR	>Z6D10
420	6C10 1C	FE	Z6C10	ANDCC	##FE
421	6C12 39			RTS	
422					
423	6C13 A6	A0	Z6C13	LDA	,Y+
424	6C15 B1	49		CMPA	##49
425	6C17 27	15		BEQ	Z6C2E
426	6C19 B1	53		CMPA	##53
427	6C1B 27	23		BEQ	Z6C40
428	6C1D 20	DD		BRA	Z6BFC
429					
430	6C1F 5F		Z6C1F	CLRB	
431	6C20 B1	0A	Z6C20	CMPA	##0A
432	6C22 25	05		BCS	Z6C29

433	6C24	80	0A		SUBA	##0A
434	6C26	5C			INCB	
435	6C27	20	F7		BRA	Z6C20
436						
437	6C29	8B	30	Z6C29	ADDA	##30
438	6C2B	CB	30		ADDB	##30
439	6C2D	39			RTS	
440						
441	6C2E	A6	A0	Z6C2E	LDA	,Y+
442	6C30	8D	ED		BSR	Z6C1F
443	6C32	34	02		PSHS	A
444	6C34	1F	98		TFR	B,A
445	6C36	BD	6EDA		JSR	>Z6EDA
446	6C39	35	02		PULS	A
447	6C3B	BD	6EDA		JSR	>Z6EDA
448	6C3E	20	BC		BRA	Z6BFC
449						
450	6C40	34	02	Z6C40	PSHS	A
451	6C42	86	28		LDA	##28
452	6C44	BD	6EDA		JSR	>Z6EDA
453	6C47	35	02		PULS	A
454	6C49	BD	6EDA		JSR	>Z6EDA
455	6C4C	BD	6ED8		JSR	>Z6ED8
456	6C4F	A6	A0		LDA	,Y+
457	6C51	8D	CC		BSR	Z6C1F
458	6C53	34	02		PSHS	A
459	6C55	1F	98		TFR	B,A
460	6C57	BD	6EDA		JSR	>Z6EDA
461	6C5A	35	02		PULS	A
462	6C5C	BD	6EDA		JSR	>Z6EDA
463	6C5F	86	29		LDA	##29
464	6C61	BD	6EDA		JSR	>Z6EDA
465	6C64	BD	6ED8		JSR	>Z6ED8
466	6C67	20	93		BRA	Z6BFC
467						
468	6C69	BD	6D93	Z6C69	JSR	>Z6D93
469	6C6C	A6	A2	Z6C6C	LDA	, -Y
470	6C6E	81	49		CMPA	##49
471	6C70	27	21		BEQ	Z6C93
472	6C72	10AC	14		CMFY	-#0C,X
473	6C75	22	F5		BHI	Z6C6C
474	6C77	10AE	14		LDY	-#0C,X
475	6C7A	20	17		BRA	Z6C93
476						
477	6C7C	BD	6D93	Z6C7C	JSR	>Z6D93
478	6C7F	10AC	18		CMFY	-#08,X
479	6C82	27	0F		BEQ	Z6C93
480	6C84	31	21		LEAY	#01,Y
481	6C86	10AC	18	Z6C86	CMFY	-#08,X
482	6C89	27	08		BEQ	Z6C93
483	6C8B	A6	A0		LDA	,Y+
484	6C8D	B1	49		CMPA	##49
485	6C8F	26	F5		BNE	Z6C86
486	6C91	31	3F		LEAY	-#01,Y

487	6C93	8D	7B	Z6C93	BSR	Z6D10
488	6C95	10AF	1A		STY	-\$06, X
489	6C98	BD	6D51		JSR	>Z6D51
490	6C9B	1C	FE		ANDCC	##FE
491	6C9D	39			RTS	
492						
493	6C9E	BD	6D93	Z6C9E	JSR	>Z6D93
494	6CA1	34	40		PSHS	U
495	6CA3	10AE	1A		LDY	-\$06, X
496	6CA6	10AC	18		CMPLY	-\$08, X
497	6CA9	24	5A		BCC	Z6D05
498	6CAB	A6	A4		LDA	, Y
499	6CAD	81	49		CMPLA	##49
500	6CAF	26	54		BNE	Z6D05
501	6CB1	10AE	18		LDY	-\$08, X
502	6CB4	33	24		LEAU	#04, Y
503	6CB6	EF	18		STU	-\$08, X
504	6CB8	A6	A2	Z6CB8	LDA	, -Y
505	6CBA	A7	C2		STA	, -U
506	6CBC	10AC	1A		CMPLY	-\$06, X
507	6CBF	26	F7		BNE	Z6CB8
508	6CC1	C6	04		LDB	##04
509	6CC3	31	24		LEAY	#04, Y
510	6CC5	A6	A2	Z6CC5	LDA	, -Y
511	6CC7	A7	C2		STA	, -U
512	6CC9	5A			DECB	
513	6CCA	26	F9		BNE	Z6CC5
514	6CCC	BD	6E69		JSR	>Z6E69
515	6CCF	BD	6BF0		JSR	>Z6BF0
516	6CD2	20	2C		BRA	Z6D00
517						
518	6CD4	BD	6D93	Z6CD4	JSR	>Z6D93
519	6CD7	34	40		PSHS	U
520	6CD9	10AE	1A		LDY	-\$06, X
521	6CDC	A6	A4		LDA	, Y
522	6CDE	81	49		CMPLA	##49
523	6CE0	26	23		BNE	Z6D05
524	6CE2	33	24		LEAU	#04, Y
525	6CE4	11A3	18		CMPLU	-\$08, X
526	6CE7	24	22		BCC	Z6D08
527	6CE9	A6	C0	Z6CE9	LDA	, U+
528	6CEB	A7	A0		STA	, Y+
529	6CED	11A3	18		CMPLU	-\$08, X
530	6CF0	26	F7		BNE	Z6CE9
531	6CF2	33	5C		LEAU	-\$04, U
532	6CF4	EF	18		STU	-\$08, X
533	6CF6	BD	69A8	Z6CF6	JSR	>Z69A8
534	6CF9	8D	56		BSR	Z6D51
535	6CFB	35	40		PULS	U
536	6CFD	1A	01		ORCC	##01
537	6CFF	39			RTS	
538						
539	6D00	10AE	1A	Z6D00	LDY	-\$06, X
540	6D03	8D	0B		BSR	Z6D10

541	6D05 8D	4A	Z6D05	BSR	Z6D51
542	6D07 1C	FE		ANDCC	##FE
543	6D09 35	C0		PULS	PC,U
544					
545	6D0B 10AF	1B	Z6D0B	STY	-\$0B,X
546	6D0E 20	E6		BRA	Z6CF6
547					
548	6D10 B6	EA3E	Z6D10	LDA	>UNIT
549	6D13 B1	EB4C		CMPA	>ZEB4C
550	6D16 27	01		BEQ	Z6D19
551	6D18 39			RTS	
552					
553	6D19 8D	78	Z6D19	BSR	Z6D93
554	6D1B AD	9F 5830		JSR	[INVCH]
555	6D1F 86	03		LDA	##03
556	6D21 B7	EB51		STA	>ZEB51
557	6D24 1F	20		TFR	Y,D
558	6D26 A3	14		SUBD	-\$0C,X
559	6D28 44			LSRA	
560	6D29 56			RORB	
561	6D2A 44			LSRA	
562	6D2B 56			RORB	
563	6D2C 86	09		LDA	##09
564	6D2E 3D			MUL	
565	6D2F 10B3	0051	Z6D2F	CPMP	##0051
566	6D33 25	0B		BCS	Z6D40
567	6D35 83	0051		SUBD	##0051
568	6D38 7C	EB51		INC	>ZEB51
569	6D3B 7C	EB51		INC	>ZEB51
570	6D3E 20	EF		BRA	Z6D2F
571					
572	6D40 F7	EB46	Z6D40	STB	>ZEB46
573	6D43 B6	EB51		LDA	>ZEB51
574	6D46 AD	9F 5824		JSR	[SECUR]
575	6D4A BE	EB4F		LDX	>ZEB4F
576	6D4D 6E	9F 5830		JMP	[INVCH]
577					
578	6D51 34	20	Z6D51	PSHS	Y
579	6D53 8D	3E		BSR	Z6D93
580	6D55 10AE	14		LDY	-\$0C,X
581	6D58 EC	1B		LDD	-\$0B,X
582	6D5A ED	3C		STD	-\$04,Y
583	6D5C EC	1A		LDD	-\$06,X
584	6D5E ED	3E		STD	-\$02,Y
585	6D60 35	A0		PULS	PC,Y
586					
587	6D62 4F		Z6D62	CLRA	
588	6D63 20	09		BRA	Z6D6E
589					
590	6D65 B6	EA3E	Z6D65	LDA	>UNIT
591	6D68 B1	30		CMPA	##30
592	6D6A 27	F6		BEQ	Z6D62
593	6D6C 8B	10		ADDA	##10
594	6D6E B7	EA3E	Z6D6E	STA	>UNIT

595	6D71	44		LSRA	
596	6D72	44		LSRA	
597	6D73	44		LSRA	
598	6D74	44		LSRA	
599	6D75	34	10	PSHS	X
600	6D77	8E	ECE0	LDX	#ZECE0
601	6D7A	E6	86	LDB	A, X
602	6D7C	35	10	PULS	X
603	6D7E	C1	FF	CMFB	##FF
604	6D80	27	E3	BEQ	Z6D65
605	6D82	39		RTS	
606					
607	6D83	8D	E0	Z6D83	BSR Z6D65
608	6D85	8D	0C	BSR	Z6D93
609	6D87	B6	EA3E	LDA	>UNIT
610	6D8A	B7	EB4C	STA	>ZEB4C
611	6D8D	BD	69AB	JSR	>Z69AB
612	6D90	1A	01	ORCC	##01
613	6D92	39		RTS	
614					
615	6D93	8E	C55E	Z6D93	LDX #ZC55E
616	6D96	CE	0000	LDU	##WAVBAS
617	6D99	B6	EA3E	LDA	>UNIT
618	6D9C	44		LSRA	
619	6D9D	44		LSRA	
620	6D9E	44		LSRA	
621	6D9F	44		LSRA	
622	6DA0	27	0E	BEQ	Z6DB0
623	6DA2	81	03	CMPA	##03
624	6DA4	27	11	BEQ	Z6DB7
625	6DA6	81	01	CMPA	##01
626	6DAB	27	0D	BEQ	Z6DB7
627	6DAA	8E	C40E	LDX	#ZC40E
628	6DAD	CE	0800	LDU	##WX800
629	6DB0	BF	EB4F	Z6DB0	STX >ZEB4F
630	6DB3	FF	EB47	STU	>ZEB47
631	6DB6	39		RTS	
632					
633	6DB7	8E	C840	Z6DB7	LDX #ZC840
634	6DBA	CE	1000	LDU	##W1000
635	6DBD	20	F1	BRA	Z6DB0
636					
637	6DBF	B6	EA3E	Z6DBF	LDA >UNIT
638	6DC2	34	02	PSHS	A
639	6DC4	8D	9F	Z6DC4	BSR Z6D65
640	6DC6	8D	CB	BSR	Z6D93
641	6DC8	EC	14	LDD	-#0C, X
642	6DCA	10A3	1A	CMFD	-#06, X
643	6DCD	27	08	BEQ	Z6DD7
644	6DCF	8D	C2	BSR	Z6D93
645	6DD1	B6	EA3E	LDA	>UNIT
646	6DD4	A1	E0	CMPA	, S+
647	6DD6	39		RTS	
648					

649	6DD7 B6	EA3E	Z6DD7	LDA	>UNIT
650	6DDA 26	0E		BNE	Z6DEA
651	6DDC 7C	EA3E		INC	>UNIT
652	6DDF B6	EB49		LDA	>ZEB49
653	6DE2 BA	EA3E		ORA	>UNIT
654	6DE5 7F	EA3E		CLR	>UNIT
655	6DE8 20	06		BRA	Z6DF0
656					
657	6DEA B6	EB49	Z6DEA	LDA	>ZEB49
658	6DED BA	EA3E		ORA	>UNIT
659	6DF0 B7	EB49	Z6DF0	STA	>ZEB49
660	6DF3 20	CF		BRA	Z6DC4
661					
662	6DF5 39		Z6DF5	RTS	
663					
664	6DF6 BD	6EC4	Z6DF6	JSR	>Z6EC4
665	6DF9 7C	EA36	Z6DF9	INC	>ECHO
666	6DFC B6	49		LDA	##49
667	6DFE A7	A0		STA	,Y+
668	6E00 AD	9F EB2C		JSR	[ZEB2C]
669	6E04 7C	EB46		INC	>ZEB46
670	6E07 7C	EB46		INC	>ZEB46
671	6E0A A7	A0		STA	,Y+
672	6E0C B6	28		LDA	##28
673	>6E0E BD	6E62		JSR	>Z6E62
674	6E11 BD	6D93		JSR	>Z6D93
675	6E14 10AC	18		CMPY	-#08,X
676	6E17 23	06		BLS	Z6E1F
677	6E19 10AF	18		STY	-#08,X
678	>6E1C BD	6E69		JSR	>Z6E69
679	6E1F BD	6D51	Z6E1F	JSR	>Z6D51
680	6E22 7F	EA36		CLR	>ECHO
681	6E25 BD	6EC4		JSR	>Z6EC4
682	6E28 1A	01		ORCC	##01
683	6E2A 39			RTS	
684					
685	6E2B B6	53	Z6E2B	LDA	##53
686	6E2D A7	A0		STA	,Y+
687	6E2F BD	12		BSR	Z6E43
688	6E31 AD	9F EB2C		JSR	[ZEB2C]
689	6E35 7C	EB46		INC	>ZEB46
690	6E38 7C	EB46		INC	>ZEB46
691	6E3B A7	A0		STA	,Y+
692	6E3D B6	29		LDA	##29
693	6E3F BD	02		BSR	Z6E43
694	6E41 20	09		BRA	Z6E4C
695					
696	6E43 7F	EF0E	Z6E43	CLR	>INVFLB
697	6E46 BD	6EDA		JSR	>Z6EDA
698	6E49 BD	6ED8		JSR	>Z6ED8
699	6E4C BD	6D93	Z6E4C	JSR	>Z6D93
700	6E4F 10AF	1A		STY	-#06,X
701	6E52 10AC	18		CMPY	-#08,X
702	6E55 25	05		BCS	Z6E5C

703	6E57 10AF 18		STY	-#08,X	
704	6E5A 8D 0D		BSR	Z6E69	
705	6E5C BD 6D51	Z6E5C	JSR	>Z6D51	
706	6E5F 1C FE		ANDCC	##FE	
707	6E61 39		RTS		
708					
709	6E62 7F EF0E	Z6E62	CLR	>INVFLG	
710	6E65 8D 73		BSR	Z6EDA	
711	6E67 20 E3		BRA	Z6E4C	
712					
713	6E69 EC 14	Z6E69	LDD	-#0C,X	
714	6E6B C3 00F8		ADDD	##00F8	
715	6E6E 10A3 18		CMPD	-#08,X	
716	6E71 24 11		BCC	Z6E84	
717	6E73 EC 14		LDD	-#0C,X	
718	6E75 1F 02		TFR	D,Y	
719	6E77 ED 1A		STD	-#06,X	
720	6E79 C3 00F8		ADDD	##00F8	
721	6E7C ED 18		STD	-#08,X	
722	6E7E BD 6939		JSR	>Z6939	
723	6E81 BD 6BF0		JSR	>Z6BF0	
724	6E84 39	Z6E84	RTS		
725					
726	6E85 50 20 4C 20	Z6E85	FCC	"P L A Y :	Component: "
	6E89 41 20 59 20				
	6E8D 3A 20 20 20				
	6E91 20 20 20 43				
	6E95 6F 6D 70 6F				
	6E99 6E 65 6E 74				
	6E9D 3A 20				
727	6E9F 04		FCB	#04	
728	6EA0 45 20 44 20		FCC	"E D I T :"	
	6EA4 49 20 54 20				
	6EA8 3A				
729	6EA9 0D		FCB	#0D	
730	6EAA 0A		FCB	#0A	
731	6EAB 0A		FCB	#0A	
732	6EAC 04		FCB	#04	
733					
734	6EAD 42 55 46 46	Z6EAD	FCC	"BUFFER FULL"	
	6EB1 45 52 20 46				
	6EB5 55 4C 4C				
735	6EB8 04		FCB	#04	
736					
737	6EB9 01 02 03 0D	Z6EB9	FCB	#01,#02,#03,#0D,#2F,#06,#1C,#2E	
	6EBD 2F 06 1C 2E				
738	6EC1 09 0E FF		FCB	#09,#0E,##FF	
739					
740	6EC4 34 22	Z6EC4	PSHS	Y,A	
741	6EC6 B6 06		LDA	##06	
742	6EC8 AD 9F 582A		JSR	[TASHEL]	
743	6ECC 35 A2		PULS	PC,Y,A	
744					
745	6ECE 8E 3000	Z6ECE	LDX	##W3000	

746	6ED1	30	1F	Z6ED1	LEAX	-\$01,X
747	6ED3	26	FC		BNE	Z6ED1
748	6ED5	1C	FE		ANDCC	##FE
749	6ED7	39			RTS	
750						
751	6ED8	86	20	Z6ED8	LDA	##20
752	6EDA	AD	9F 5832	Z6EDA	JSR	[OUTCX]
753	6EDE	7C	EB46		INC	>ZEB46
754	6EE1	F6	EB46		LDB	>ZEB46
755	6EE4	C1	51		CMPB	##51
756	6EE6	25	08		BCS	Z6EF3
757	6EE8	C0	51		SUBB	##51
758	6EEA	F7	EB46		STB	>ZEB46
759	6EED	BD	F021		JSR	>PCRLF
760	6EF0	BD	F021		JSR	>PCRLF
761	6EF3	39		Z6EF3	RTS	
762						
763					END	

0 ERROR(S) DETECTED

SYMBOL TABLE:

ANFA	EC81	DOS	583A	ECHO	EA36	ENDE	EC83	FMSCLS	D403
FUNKT	EA64	INBUF	5836	INPENB	EB04	INPU	EB02	INVCH	5830
INVFLG	EF0E	OUTCX	5832	PAGEM	EA3D	PCRLF	F021	PDATA1	F027
SECUR	5824	SENDE	5834	SENDF	EA62	SENTST	583C	SOFKEY	EE05
TASHEL	582A	TESTM	EA68	TSWAVE	EA4A	UNIT	EA3E	W1000	1000
W3000	3000	WAVBAS	0000	WX800	0800	Z1812	1812	Z4010	4010
Z5802	5802	Z6900	6900	Z6936	6936	Z6939	6939	Z6949	6949
Z6954	6954	Z6988	6988	Z69A1	69A1	Z69A8	69A8	Z69DC	69DC
Z69E4	69E4	Z69EB	69EB	Z69EC	69EC	Z69FC	69FC	Z6A05	6A05
Z6A0E	6A0E	Z6A15	6A15	Z6A1A	6A1A	Z6A22	6A22	Z6A49	6A49
Z6A77	6A77	Z6ABE	6ABE	Z6AC7	6AC7	Z6AF6	6AF6	Z6B1A	6B1A
Z6B23	6B23	Z6B39	6B39	Z6B56	6B56	Z6B63	6B63	Z6B86	6B86
Z6BA5	6BA5	Z6BAE	6BAE	Z6BB6	6BB6	Z6BBA	6BBA	Z6BCB	6BCB
Z6BD0	6BD0	Z6BD4	6BD4	Z6BD9	6BD9	Z6BDF	6BDF	Z6BEF	6BEF
Z6BF0	6BF0	Z6BFC	6BFC	Z6C10	6C10	Z6C13	6C13	Z6C1F	6C1F
Z6C20	6C20	Z6C29	6C29	Z6C2E	6C2E	Z6C40	6C40	Z6C69	6C69
Z6C6C	6C6C	Z6C7C	6C7C	Z6C86	6C86	Z6C93	6C93	Z6C9E	6C9E
Z6CB8	6CB8	Z6CC5	6CC5	Z6CD4	6CD4	Z6CE9	6CE9	Z6CF6	6CF6
Z6D00	6D00	Z6D05	6D05	Z6D08	6D08	Z6D10	6D10	Z6D19	6D19
Z6D2F	6D2F	Z6D40	6D40	Z6D51	6D51	Z6D62	6D62	Z6D65	6D65
Z6D6E	6D6E	Z6D83	6D83	Z6D93	6D93	Z6DB0	6DB0	Z6DB7	6DB7
Z6DBF	6DBF	Z6DC4	6DC4	Z6DD7	6DD7	Z6DEA	6DEA	Z6DF0	6DF0
Z6DF5	6DF5	Z6DF6	6DF6	Z6DF9	6DF9	Z6E1F	6E1F	Z6E2B	6E2B
Z6E43	6E43	Z6E4C	6E4C	Z6E5C	6E5C	Z6E62	6E62	Z6E69	6E69
Z6E84	6E84	Z6E85	6E85	Z6EAD	6EAD	Z6EB9	6EB9	Z6EC4	6EC4
Z6ECE	6ECE	Z6ED1	6ED1	Z6ED8	6ED8	Z6EDA	6EDA	Z6EF3	6EF3
Z7014	7014	ZC100	C100	ZC3FF	C3FF	ZC40A	C40A	ZC40E	C40E
ZC54F	C54F	ZC55A	C55A	ZC55E	C55E	ZC831	C831	ZC83C	C83C
ZC840	C840	ZE224	E224	ZE324	E324	ZE424	E424	ZE900	E900
ZEB1A	EB1A	ZEB1C	EB1C	ZEB2C	EB2C	ZEB46	EB46	ZEB47	EB47
ZEB49	EB49	ZEB4A	EB4A	ZEB4C	EB4C	ZEB4F	EB4F	ZEB51	EB51
ZECE0	ECE0	ZFFFF	FFFF						

P. Bin

R 3.3

Wave term

Play Command

ANFA	00062	00274
DOS	00020	00263
ECHO	00041	00665 00680
ENDE	00063	00271
FMSCLS	00035	00226 00230
FUNKT	00046	00311
INBUF	00019	00262
INPENB	00050	00205
INPU	00049	00203
INVCH	00016	00206 00257 00312 00317 00417 00554 00576
INVFLG	00066	00696 00709
OUTCX	00017	00194 00199 00752
PAGEM	00042	00192
PCRLF	00067	00759 00760
PDATA1	00068	00145 00316
SECUR	00014	00143 00314 00574
SENDE	00018	00129 00133 00137 00212 00252 00296 00302
SENDF	00045	00353 00355
SENTST	00021	00354
SOFKEY	00065	00348
TASHEL	00015	00224 00245 00742
TESTM	00047	00119 00123 00154 00159
TSWAVE	00044	00303 00357
UNIT	00043	00160 00234 00242 00254 00283 00285 00287 00289 00293 00307 00322 00329 00345 00365 00367 00369 00371 00375 00379 00387 00400 00404 00548 00590 00594 00609 00617 00637 00645 00649 00651 00653 00654 00658
W1000	00009	00634
W3000	00011	00745
WAYBAS	00007	00087 00088 00089 00090 00273 00616
WXB00	00008	00628
Z1B12	00010	00270
Z4010	00012	00127
Z5B02	00087	
Z6900	00119	00096
Z6936	00138	00121 00158
Z6939	00141	00125 00722
Z6949	00149	00156
Z6954	00154	00097
Z6988	00175	00164 00167 00170
Z69A1	00187	00178 00180
Z69AB	00191	00171 00243 00533 00611
Z69DC	00209	00098 00253 00401
Z69E4	00212	00152
Z69EB	00215	00099
Z69EC	00217	00315
Z69FC	00220	00261
Z6A05	00223	00280
Z6A0E	00226	00391 00397
Z6A15	00230	00352
Z6A1A	00233	00112
Z6A22	00236	00231
Z6A49	00249	00309
Z6A77	00264	00256
Z6ABE	00292	00284
Z6AC7	00295	00282 00290
Z6AF6	00310	00306
Z6B1A	00321	00356
Z6B23	00324	00347
Z6B39	00333	00331
Z6B56	00343	00325 00327
Z6B63	00348	00344 00394
Z6B86	00361	00358

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Wave

Play

Z6BA5	00374	00366							
Z6BAE	00377	00364	00372						
Z6BB6	00380	00389							
Z6BBA	00383	00381							
Z6BC8	00390	00386							
Z6BD0	00393	00384							
Z6BD4	00396	00304	00341	00350	00360				
Z6BD9	00399	00225	00236	00396					
Z6BDF	00401	00406							
Z6BEF	00407	00403							
Z6BF0	00409	00207	00515	00723					
Z6BFC	00413	00428	00448	00466					
Z6C10	00420	00416							
Z6C13	00423	00414							
Z6C1F	00430	00442	00457						
Z6C20	00431	00435							
Z6C29	00437	00432							
Z6C2E	00441	00425							
Z6C40	00450	00427							
Z6C69	00468	00105							
Z6C6C	00469	00473							
Z6C7C	00477	00106							
Z6C86	00481	00485							
Z6C93	00487	00471	00475	00479	00482				
Z6C9E	00493	00111							
Z6CBB	00504	00507							
Z6CC5	00510	00513							
Z6CD4	00518	00113							
Z6CE9	00527	00530							
Z6CF6	00533	00546							
Z6D00	00539	00516							
Z6D05	00541	00497	00500	00523					
Z6D08	00545	00526							
Z6D10	00548	00081	00248	00260	00332	00412	00419	00487	00540
Z6D19	00553	00550							
Z6D2F	00565	00570							
Z6D40	00572	00566							
Z6D51	00578	00489	00534	00541	00679	00705			
Z6D62	00587	00592							
Z6D65	00590	00604	00607	00639					
Z6D6E	00594	00588							
Z6D83	00607	00108							
Z6D93	00615	00197	00246	00323	00361	00410	00468	00477	00493
									00518
									00553
	00579	00608	00640	00644	00674	00699			
Z6DB0	00629	00622	00635						
Z6DB7	00633	00624	00626						
Z6DBF	00637	00305	00343	00385	00402				
Z6DC4	00639	00660							
Z6DD7	00649	00643							
Z6DEA	00657	00650							
Z6DF0	00659	00655							
Z6DF5	00662	00107							
Z6DF6	00664	00075	00202						
Z6DF9	00665	00109							
Z6E1F	00679	00676							
Z6E2B	00685	00110							
Z6E43	00696	00687	00693						
Z6E4C	00699	00694	00711						
Z6E5C	00705	00702							
Z6E62	00709	00673							
Z6E69	00713	00514	00678	00704					
Z6EB4	00724	00716							
Z6EB5	00726	00195							
Z6EAD	00734	00144							
Z6EB9	00737	00200							
Z6EC4	00740	00664	00681						

Z6ECE 00745 00213
Z6ED1 00746 00298 00747
Z6ED8 00751 00455 00465 00698
Z6EDA 00752 00445 00447 00452 00454 00460 00462 00464 00697 00710
Z6EF3 00761 00756
Z7014 00023 00124
ZC100 00025 00277 00338
ZC3FF 00026 00319
ZC40A 00027 00239
ZC40E 00028 00165 00627
ZC54F 00029 00318
ZC55A 00030 00238
ZC55E 00031 00162 00615
ZC831 00032 00320
ZC83C 00033 00240
ZC840 00034 00168 00633
ZE224 00036 00163
ZE324 00037 00166
ZE424 00038 00169
ZE900 00039 00131 00135 00150 00210 00250 00300
ZEB1A 00051 00196
ZEB1C 00052 00201
ZEB2C 00053 00668 00688
ZEB46 00054 00409 00572 00669 00670 00689 00690 00753 00754 00758
ZEB47 00055 00333 00630
ZEB49 00056 00237 00286 00288 00292 00294 00359 00368 00370 00374 00376
00652 00657 00659
ZEB4A 00057 00272 00335
ZEB4C 00058 00161 00235 00241 00255 00308 00321 00330 00346 00378 00388
00399 00405 00549 00610
ZEB4F 00059 00258 00264 00275 00336 00575 00629
ZEB51 00060 00556 00568 00569 00573
ZECE0 00064 00600
ZFFFF 00069 00297

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* NAM MM.CMDV2R3.3

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MM.CMD

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41	C100								
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43									
44	C100	2E	55	53	52	ZC100	FCC	" .USR"	
45	C104	04					FCB	\$04	
46									
47	C105	B6	EC85			ZC105	LDA	>MCHECK	
48	C108	7D	EB00				TST	>FILE	
49	C10B	27	02				BEQ	ZC10F	
50	C10D	80	04				SUBA	##04	
51	C10F	B7	EA3D			ZC10F	STA	>PAGEM	
52	C112	1F	89				TFR	A,B	
53	C114	5A					DECB		
54	C115	58					ASLB		
55	C116	8E	5800				LDX	##WASS1	
56	C119	7D	EB00				TST	>FILE	
57	C11C	27	03				BEQ	ZC121	
58	C11E	8E	EB10				LDX	#STOR3	

59	C121 7F	EA36	ZC121	CLR	>ECHO
60	C124 7F	EB05		CLR	>INESC
61	C127 6E	95		JMP	[B,X]
62					
63	C129 86	01	ZC129	LDA	##01
64	C12B B7	EA2D		STA	>MERK1
65	C12E BD	F021		JSR	>PCRLF
66	C131 8E	C305		LDX	#ZC305
67	C134 BD	F027		JSR	>PDAT1
68	C137 BD	C285		JSR	>ZC285
69	C13A 25	22		BCS	ZC15E
70	C13C 7C	EA2D		INC	>MERK1
71	C13F BD	F021		JSR	>PCRLF
72	C142 8E	C343		LDX	#ZC343
73	C145 BD	F027		JSR	>PDAT1
74	C148 BD	C285		JSR	>ZC285
75	C14B 25	11		BCS	ZC15E
76	C14D 7F	EA2D		CLR	>MERK1
77	C150 BD	F021		JSR	>PCRLF
78	C153 8E	C37D		LDX	#ZC37D
79	C156 BD	F027		JSR	>PDAT1
80	C159 BD	C285		JSR	>ZC285
81	C15C 24	CB		BCC	ZC129
82	C15E 108E	C244	ZC15E	LDY	#ZC244
83	C162 BD	C260		JSR	>ZC260
84	C165 B7	EA2E		STA	>MERK2
85	C168 8E	C2F6		LDX	#ZC2F6
86	C16B BD	F027		JSR	>PDAT1
87	C16E B6	EA2E		LDA	>MERK2
88	C171 AD	9F 5832		JSR	[OUTCX]
89	C175 AD	9F 5830		JSR	[INVCH]
90	C179 108E	C080		LDY	#LBUFR
91	C17D 10BF	CC14		STY	>LPTER
92	C181 B6	EA2E		LDA	>MERK2
93	C184 A7	A0		STA	,Y+
94	C186 BD	C296		JSR	>ZC296
95	C189 8E	C100		LDX	#ZC100
96	C18C AD	9F 5838		JSR	[INB2]
97	C190 86	0D		LDA	##0D
98	C192 A7	A4		STA	,Y
99	C194 8E	4000		LDX	#TENDE
100	C197 B6	EA2E		LDA	>MERK2
101	C19A 81	54		CMPA	##54
102	C19C 27	03		BEQ	ZC1A1
103	C19E 8E	2000		LDX	#Z2000
104	C1A1 7D	EA2D	ZC1A1	TST	>MERK1
105	C1A4 26	0B		BNE	ZC1B1
106	C1A6 BF	EA5F		STX	>RESULT
107	C1A9 8E	0000		LDX	#WAVBAS
108	C1AC BF	EA5C		STX	>INTEG
109	C1AF 20	09		BRA	ZC1BA
110					
111	C1B1 BF	EA5C	ZC1B1	STX	>INTEG
112	C1B4 8E	0000		LDX	#WAVBAS

113	C1B7 BF	EA5F		STX	>RESULT
114	C1BA 7F	EA61	ZC1BA	CLR	>PHI
115	C1BD 8E	C840		LDX	#ZC840
116	C1C0 BD	CD2D		JSR	>ZCD2D
117	C1C3 25	76		BCS	ZC23B
118	C1C5 86	01		LDA	#01
119	C1C7 A7	84		STA	,X
120	C1C9 BD	D406		JSR	>ZD406
121	C1CC 26	6D		BNE	ZC23B
122	C1CE 86	FF		LDA	##FF
123	C1D0 A7	88 3B		STA	\$3B,X
124	C1D3 8E	C840	ZC1D3	LDX	#ZC840
125	C1D6 BD	D406		JSR	>ZD406
126	C1D9 26	60		BNE	ZC23B
127	C1DB F6	EA61		LDB	>PHI
128	C1DE 26	1B		BNE	ZC1FB
129	C1E0 8E	C840		LDX	#ZC840
130	C1E3 BD	D406		JSR	>ZD406
131	C1E6 8E	C840		LDX	#ZC840
132	C1E9 BD	D406		JSR	>ZD406
133	C1EC 8E	C840		LDX	#ZC840
134	C1EF BD	D406		JSR	>ZD406
135	C1F2 8E	C840		LDX	#ZC840
136	C1F5 BD	D406		JSR	>ZD406
137	C1F8 7A	EA61		DEC	>PHI
138	C1FB 7A	EA61	ZC1FB	DEC	>PHI
139	C1FE BE	EA5F		LDX	>RESULT
140	C201 7D	EA2D		TST	>MERK1
141	C204 26	04		BNE	ZC20A
142	C206 A7	B2		STA	, -X
143	C208 20	10		BRA	ZC21A
144					
145	C20A F6	EA2D	ZC20A	LDB	>MERK1
146	C20D C1	01		CMPB	##01
147	C20F 26	20		BNE	ZC231
148	C211 E6	84		LDB	,X
149	C213 34	04		PSHS	B
150	C215 AB	E0		ADDA	,S+
151	C217 46			RORA	
152	C218 A7	80	ZC218	STA	,X+
153	C21A BF	EA5F	ZC21A	STX	>RESULT
154	C21D BC	EA5C		CMPX	>INTEG
155	C220 26	B1		BNE	ZC1D3
156	C222 8E	C840		LDX	#ZC840
157	C225 86	04		LDA	##04
158	C227 A7	84		STA	,X
159	C229 BD	D406		JSR	>ZD406
160	C22C 26	0D		BNE	ZC23B
161	C22E 32	62		LEAS	\$02,S
162	C230 39			RTS	
163					
164	C231 E6	84	ZC231	LDB	,X
165	C233 34	04		PSHS	B
166	C235 AB	E0		ADDA	,S+

167	C237	8B	80		ADDA	##80
168	C239	20	DD		BRA	ZC218
169						
170	C23B	BD	CD3F	ZC23B	JSR	>ZCD3F
171	C23E	BD	D403		JSR	>FMSCLS
172	C241	32	62		LEAS	#02,S
173	C243	39			RTS	
174						
175	C244	C2CA		ZC244	FDB	ZC2CA
176	C246	54	30 30 30		FCC	"T0000 403F"
	C24A	30	20 34 30			
	C24E	33	46			
177	C250	04			FCB	#04
178	C251	C2E0			FDB	ZC2E0
179	C253	4C	30 30 30		FCC	"L0000 1FFF"
	C257	30	20 31 46			
	C25B	46	46			
180	C25D	04			FCB	#04
181	C25E	FFFF			FDB	ZFFFF
182						
183	C260	BD	F021	ZC260	JSR	>PCRLF
184	C263	86	0D	ZC263	LDA	##0D
185	C265	AD	9F 5832		JSR	[OUTCX]
186	C269	AE	A4		LDX	,Y
187	C26B	31	2D		LEAY	#0D,Y
188	C26D	8C	FFFF		CMPL	#ZFFFF
189	C270	1027	FE91		LBEQ	ZC105
190	C274	BD	F027		JSR	>PDAT1
191	>C277	BD	C285		JSR	>ZC285
192	C27A	24	E7		BCC	ZC263
193	>C27C	BD	C2B7		JSR	>ZC2B7
194	>C27F	BD	C2B7		JSR	>ZC2B7
195	C282	A6	35		LDA	-#0B,Y
196	C284	39			RTS	
197						
198	C285	7F	EA36	ZC285	CLR	>ECHO
199	C288	AD	9F 5820		JSR	[INCHAI]
200	C28C	81	04		CMPL	##04
201	C28E	25	03		BCS	ZC293
202	C290	1C	FE		ANDCC	##FE
203	C292	39			RTS	
204						
205	C293	1A	01	ZC293	ORCC	##01
206	C295	39			RTS	
207						
208	C296	86	03	ZC296	LDA	##03
209	C298	34	02		PSHS	A
210	C29A	5F		ZC29A	CLRB	
211	C29B	7C	EA36		INC	>ECHO
212	C29E	AD	9F 5818		JSR	[INDEZ0]
213	C2A2	81	FF		CMPL	##FF
214	C2A4	27	17		BEQ	ZC2BD
215	C2A6	8B	30		ADDA	##30
216	C2A8	A7	A0		STA	,Y+

217	C2AA 6A	E4		DEC	,S
218	C2AC 26	EC		BNE	ZC29A
219	C2AE 32	61		LEAS	#01,S
220	C2B0 AD	9F 5830		JSR	[INVCH]
221	C2B4 7F	EA36		CLR	>ECHO
222	C2B7 86	20	ZC2B7	LDA	##20
223	C2B9 6E	9F 5832		JMP	[OUTCX]
224					
225	C2BD 7F	EA48	ZC2BD	CLR	>ZIFF
226	C2C0 AD	9F 5830		JSR	[INVCH]
227	C2C4 7F	EA36		CLR	>ECHO
228	C2C7 32	63		LEAS	#03,S
229	C2C9 39			RTS	
230					
231	C2CA 54 52 41 4E		ZC2CA	FCC	"TRANSIENT SOUND <T> ?"
	C2CE 53 49 45 4E				
	C2D2 54 20 53 4F				
	C2D6 55 4E 44 20				
	C2DA 3C 54 3E 20				
	C2DE 3F				
232	C2DF 04			FCB	#04
233					
234	C2E0 4C 4F 57 45		ZC2E0	FCC	"LOWER WAVETABLE <L> ?"
	C2E4 52 20 57 41				
	C2E8 56 45 54 41				
	C2EC 42 4C 45 20				
	C2F0 3C 4C 3E 20				
	C2F4 3F				
235	C2F5 04			FCB	#04
236					
237	C2F6 46 49 4C 45		ZC2F6	FCC	"FILE-NAME ? : "
	C2FA 2D 4E 41 4D				
	C2FE 45 20 3F 20				
	C302 3A 20				
238	C304 04			FCB	#04
239					
240	C305 4D 45 52 47		ZC305	FCC	"MERGE second Transient Sound fro"
	C309 45 20 73 65				
	C30D 63 6F 6E 64				
	C311 20 54 72 61				
	C315 6E 73 69 65				
	C319 6E 74 20 53				
	C31D 6F 75 6E 64				
	C321 20 66 72 6F				
241	C325 6D 20 64 69			FCC	"m disk with sound on Page 3 ?"
	C329 73 68 20 77				
	C32D 69 74 68 20				
	C331 73 6F 75 6E				
	C335 64 20 6F 6E				
	C339 20 50 61 67				
	C33D 65 20 33 20				
	C341 3F				
242	C342 04			FCB	#04
243					

244	C343 41 44 44 20	ZC343	FCC	"ADD second Transient Sound from "
	C347 73 65 63 6F			
	C34B 6E 64 20 54			
	C34F 72 61 6E 73			
	C353 69 65 6E 74			
	C357 20 53 6F 75			
	C35B 6E 64 20 66			
	C35F 72 6F 6D 20			
245	C363 64 69 73 6B		FCC	"disk to sound on Page 3 ?"
	C367 20 74 6F 20			
	C36B 73 6F 75 6E			
	C36F 64 20 6F 6E			
	C373 20 50 61 67			
	C377 65 20 33 20			
	C37B 3F			
246	C37C 04		FCB	\$04
247				
248	C37D 4C 6F 61 64	ZC37D	FCC	"Load Transient Sound REVERSED in"
	C381 20 54 72 61			
	C385 6E 73 69 65			
	C389 6E 74 20 53			
	C38D 6F 75 6E 64			
	C391 20 52 45 56			
	C395 45 52 53 45			
	C399 44 20 69 6E			
249	C39D 74 6F 20 50		FCC	"to Page 3 memory ?"
	C3A1 61 67 65 20			
	C3A5 33 20 6D 65			
	C3A9 6D 6F 72 79			
	C3AD 20 3F			
250	C3AF 04		FCB	\$04
251				
252			END	ZC129

0 ERROR(S) DETECTED

SYMBOL TABLE:

ECHO	EA36	FILE	EB00	FMSCLS	D403	INB2	5838	INCHA	5820
INDEZO	5818	INESC	EB05	INTEG	EA5C	INVCH	5830	LBUFFR	C080
LPTR	CC14	MCHECK	EC85	MERK1	EA2D	MERK2	EA2E	OUTCX	5832
PAGEM	EA3D	PCRLF	F021	PDATA1	F027	PHI	EA61	RESULT	EA5F
STOR3	EB10	TENDE	4000	WASS1	5800	WAVBAS	0000	Z2000	2000
ZC100	C100	ZC105	C105	ZC10F	C10F	ZC121	C121	ZC129	C129
ZC15E	C15E	ZC1A1	C1A1	ZC1B1	C1B1	ZC1BA	C1BA	ZC1D3	C1D3
ZC1FB	C1FB	ZC20A	C20A	ZC218	C218	ZC21A	C21A	ZC231	C231
ZC23B	C23B	ZC244	C244	ZC260	C260	ZC263	C263	ZC285	C285
ZC293	C293	ZC296	C296	ZC29A	C29A	ZC2B7	C2B7	ZC2BD	C2BD
ZC2CA	C2CA	ZC2E0	C2E0	ZC2F6	C2F6	ZC305	C305	ZC343	C343
ZC37D	C37D	ZC840	C840	ZCD2D	CD2D	ZCD3F	CD3F	ZD406	D406
ZFFFF	FFFF	ZIFF	EA48						

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MM. CMD

ECHO	00026	00059	00198	00211	00221	00227
FILE	00032	00048	00056	00237		
FMSCLS	00022	00171				
INB2	00015	00096				
INCHA	00012	00199				
INDEZD	00011	00212				
INESC	00033	00060				
INTEG	00029	00108	00111	00154		
INVCH	00013	00089	00220	00226		
LBUFF	00016	00090				
LPTR	00019	00091				
MCHECK	00035	00047				
MERK1	00024	00064	00070	00076	00104	00145
MERK2	00025	00084	00087	00092	00100	
OUTCX	00014	00088	00185	00223		
PAGEM	00027	00051				
PCRLF	00036	00065	00071	00077	00183	
PDATA1	00037	00067	00073	00079	00086	00190
PHI	00031	00114	00127	00137	00138	
RESULT	00030	00106	00113	00139	00153	
STDR3	00034	00058				
TENDE	00009	00099				
WASS1	00010	00055				
WAVBAS	00007	00107	00112			
Z2000	00008	00103				
ZC100	00044	00095				
ZC105	00047	00189				
ZC10F	00051	00049				
ZC121	00059	00057				
ZC129	00063	00081	00252			
ZC15E	00082	00069	00075			
ZC1A1	00104	00102				
ZC1B1	00111	00105				
ZC1BA	00114	00109				
ZC1D3	00124	00155				
ZC1FB	00138	00128				
ZC20A	00145	00141				
ZC21B	00152	00168				
ZC21A	00153	00143				
ZC231	00164	00147				
ZC23B	00170	00117	00121	00126	00160	
ZC244	00175	00082				
ZC260	00183	00083				
ZC263	00184	00192				
ZC285	00198	00068	00074	00080	00191	
ZC293	00205	00201				
ZC296	00208	00094				
ZC29A	00210	00218				
ZC2B7	00222	00193	00194			
ZC2BD	00225	00214				
ZC2CA	00231	00175				
ZC2E0	00234	00178				
ZC2F6	00237	00085				
ZC305	00240	00066				
ZC343	00244	00072				
ZC37D	00248	00078				
ZC840	00018	00115	00124	00129	00131	00133 00135 00156
ZCD2D	00020	00116				
ZCD3F	00021	00170				
ZD406	00023	00120	00125	00130	00132	00134 00136 00159
ZFFFF	00038	00181	00188			
ZIFF	00028	00225				

V2

R3.3

Waveterm

Merge Transienten

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OPT PAG

* NAM C.BINV2R3.3 7.10.84

C. Bin

V2

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Woveterm

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EB14

EB14 7864
EB16 7890
EB18 7D0B

0000	WAVBAS	EQU	#0000
3000	W3000	EQU	#3000
E06B	ZE06B	EQU	#E06B
E600	ZE600	EQU	#E600
E602	ZE602	EQU	#E602
E604	ZE604	EQU	#E604
E607	ZE607	EQU	#E607
E610	ZE610	EQU	#E610
E612	ZE612	EQU	#E612
E614	ZE614	EQU	#E614
E620	ZE620	EQU	#E620
E622	ZE622	EQU	#E622
E900	ZE900	EQU	#E900
EA2D	MERK1	EQU	#EA2D
EA39	MERK3	EQU	#EA39
EA3D	PAGEM	EQU	#EA3D
EA68	TESTM	EQU	#EA68
EB04	INPENB	EQU	#EB04
EB05	INESC	EQU	#EB05
* *****			
	ORG		#EB14
* *****			
	FDB		Z7864
	FDB		Z7890
	FDB		Z7D0B
EB1A	ZEB1A	EQU	#EB1A
EB1C	ZEB1C	EQU	#EB1C
EB1E	ZEB1E	EQU	#EB1E
EB20	ZEB20	EQU	#EB20
EB22	ZEB22	EQU	#EB22
EB24	ZEB24	EQU	#EB24
EB26	ZEB26	EQU	#EB26
EB28	ZEB28	EQU	#EB28
EB2A	ZEB2A	EQU	#EB2A
EB32	ZEB32	EQU	#EB32
EB34	ZEB34	EQU	#EB34
EB3B	ZEB3B	EQU	#EB3B
EB3C	ZEB3C	EQU	#EB3C
EB42	ZEB42	EQU	#EB42
EB43	ZEB43	EQU	#EB43
EB54	ZEB54	EQU	#EB54
EB57	ZEB57	EQU	#EB57
EB80	ZEB80	EQU	#EB80
EB82	ZEB82	EQU	#EB82
EB86	ZEB86	EQU	#EB86
EB88	ZEB88	EQU	#EB88
EB89	ZEB89	EQU	#EB89
EB8A	ZEB8A	EQU	#EB8A

59	EBA0	ZEBA0	EQU	%EBA0
60	F021	PCRLF	EQU	%F021
61	F027	PDATA1	EQU	%F027
62				
63		* *****		
64	5802		ORG	%5802
65		* *****		
66				
67	5802 0000	Z5802	FDB	WAVBAS
68	5804 0000		FDB	WAVBAS
69	5806 0000		FDB	WAVBAS
70	5808 0000		FDB	WAVBAS
71	580A 7800		FDB	Z7800
72				
73	5814	INVERS	EQU	%5814
74	5816	INVER1	EQU	%5816
75	5824	SECUR	EQU	%5824
76	582A	TASHEL	EQU	%582A
77	5830	INVCH	EQU	%5830
78	5832	QUTCX	EQU	%5832
79	7000	Z7000	EQU	%7000
80	7002	Z7002	EQU	%7002
81	7004	Z7004	EQU	%7004
82	7006	Z7006	EQU	%7006
83	7800	Z7800	EQU	%7800
84				
85		* *****		
86	780A		ORG	%780A
87		* *****		
88				
89	780A 7864		FDB	Z7864
90	780C 7890		FDB	Z7890
91	780E 7D0B		FDB	Z7D0B
92				
93		* *****		
94	783E		ORG	%783E
95		* *****		
96				
97	783E 7ABE		FDB	Z7ABE
98	7840 7AB3		FDB	Z7AB3
99	7842 7AF9		FDB	Z7AF9
100	7844 7CAF		FDB	Z7CAF
101	7846 7A88		FDB	Z7A88
102	7848 7A8D		FDB	Z7A8D
103	784A 7A92		FDB	Z7A92
104	784C 7B2B		FDB	Z7B2B
105				
106		* *****		
107	7852		ORG	%7852
108		* *****		
109				
110	7852 7D90		FDB	Z7D90
111	7854 7D93		FDB	Z7D93
112	7856 7DA2		FDB	Z7DA2

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113 7858 7DAB          FDB  Z7DAB
114 785A 7DB7          FDB  Z7DB7
115 785C 7DB8          FDB  Z7DB8
116 785E 7DAF          FDB  Z7DAF
117 7860 7DB3          FDB  Z7DB3
118
119                    * *****
120 7864                ORG  $7864
121                    * *****
122
123 7864 86 0B          Z7864 LDA  ##0B
124 7866 B7 EB3C        STA  >ZEB3C
125 7869 B7 EB43        STA  >ZEB43
126 786C B7 EA3D        STA  >PAGEM
127 786F 7F EB3B        CLR  >ZEB3B
128 7872 86 0C          LDA  ##0C
129 7874 AD 9F 5832     JSR  [OUTCX]
130 7878 8E 7DCA        LDX  #Z7DCA
131 787B AD 9F EB1A     JSR  [ZEB1A]
132 787F 8E 7DE8        LDX  #Z7DE8
133 7882 BD F027        JSR  >PDAT1
134 7885 8E 7E38        LDX  #Z7E38
135 7888 BD F027        JSR  >PDAT1
136 788B 8E 7EBC        LDX  #Z7EBC
137 788E 20 1E          BRA  Z78AE
138
139 7890 7F EB43        Z7890 CLR  >ZEB43
140 7893 7F EB3C        CLR  >ZEB3C
141 7896 7F EB3B        CLR  >ZEB3B
142 7899 86 09          LDA  ##09
143 789B B7 EA3D        STA  >PAGEM
144 789E 86 0C          LDA  ##0C
145 78A0 AD 9F 5832     JSR  [OUTCX]
146 78A4 8E 7DD7        LDX  #Z7DD7
147 78A7 AD 9F EB1A     JSR  [ZEB1A]
148 78AB 8E 7DE8        LDX  #Z7DE8
149 78AE BD F027        Z78AE JSR  >PDAT1
150 78B1 8E 7E38        LDX  #Z7E38
151 78B4 BD F027        JSR  >PDAT1
152 78B7 7F EB05        CLR  >INESC
153 78BA BE EB34        LDX  >ZEB34
154 78BD AD 9F EB1C     JSR  [ZEB1C]
155 78C1 BD 7C9C        JSR  >Z7C9C
156 78C4 BD 79B8        JSR  >Z79B8
157 78C7 1A 01          ORCC ##01
158 78C9 39            RTS
159
160 78CA 00 02 E6 00     Z78CA FCB  $00,$02,$E6,$00,$79,$EE,$00,$03
    78CE 79 EE 00 03
161 78D2 E6 02 79 EE     FCB  $E6,$02,$79,$EE,$00,$05,$E6,$04
    78D6 00 05 E6 04
162 78DA 79 FF 00 06     FCB  $79,$FF,$00,$06,$E6,$06,$7A,$28
    78DE E6 06 7A 28
163 78E2 00 07 E6 07     FCB  $00,$07,$E6,$07,$79,$F5,$00,$08

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164	78E6 79 F5 00 08		
	78EA E6 08 7A 2F	FCB	\$E6, \$0B, \$7A, \$2F, \$00, \$09, \$E6, \$09
	78EE 00 09 E6 09		
165	78F2 7A 45 00 0A	FCB	\$7A, \$45, \$00, \$0A, \$E6, \$0A, \$7A, \$3F
	78F6 E6 0A 7A 3F		
166	78FA 10 0C E6 00	FCB	\$10, \$0C, \$E6, \$00, \$79, \$EE, \$10, \$0D
	78FE 79 EE 10 0D		
167	7902 E6 02 79 EE	FCB	\$E6, \$02, \$79, \$EE, \$10, \$0F, \$E6, \$04
	7906 10 0F E6 04		
168	790A 79 FF 10 10	FCB	\$79, \$FF, \$10, \$10, \$E6, \$06, \$7A, \$28
	790E E6 06 7A 28		
169	7912 10 11 E6 07	FCB	\$10, \$11, \$E6, \$07, \$79, \$F5, \$10, \$12
	7916 79 F5 10 12		
170	791A E6 08 7A 2F	FCB	\$E6, \$08, \$7A, \$2F, \$10, \$13, \$E6, \$09
	791E 10 13 E6 09		
171	7922 7A 45 10 14	FCB	\$7A, \$45, \$10, \$14, \$E6, \$0A, \$7A, \$3F
	7926 E6 0A 7A 3F		
172	792A FF FF	FCB	\$FF, \$FF
173			
174	792C 20 02 E6 00	Z792C	FCB
	7930 79 EE 20 03		\$20, \$02, \$E6, \$00, \$79, \$EE, \$20, \$03
175	7934 E6 02 79 EE	FCB	\$E6, \$02, \$79, \$EE, \$20, \$05, \$E6, \$04
	7938 20 05 E6 04		
176	793C 79 FF 20 06	FCB	\$79, \$FF, \$20, \$06, \$E6, \$06, \$7A, \$2B
	7940 E6 06 7A 2B		
177	7944 20 07 E6 07	FCB	\$20, \$07, \$E6, \$07, \$79, \$F5, \$20, \$0B
	7948 79 F5 20 0B		
178	794C E6 08 7A 2F	FCB	\$E6, \$08, \$7A, \$2F, \$20, \$09, \$E6, \$09
	7950 20 09 E6 09		
179	7954 7A 45 20 0A	FCB	\$7A, \$45, \$20, \$0A, \$E6, \$0A, \$7A, \$3F
	7958 E6 0A 7A 3F		
180	795C FF FF	FCB	\$FF, \$FF
181			
182	795E 02 0E E0 A4	Z795E	FCB
	7962 00 09 00 00		\$02, \$0E, \$E0, \$A4, \$00, \$09, \$00, \$00
183	7966 03 0E E0 A5	FCB	\$03, \$0E, \$E0, \$A5, \$00, \$09, \$00, \$00
	796A 00 09 00 00		
184	796E 04 0E E0 A6	FCB	\$04, \$0E, \$E0, \$A6, \$00, \$09, \$00, \$00
	7972 00 09 00 00		
185	7976 05 0E E0 A7	FCB	\$05, \$0E, \$E0, \$A7, \$00, \$09, \$00, \$00
	797A 00 09 00 00		
186	797E 06 0E E0 A8	FCB	\$06, \$0E, \$E0, \$A8, \$00, \$09, \$00, \$00
	7982 00 09 00 00		
187	7986 07 0E E0 A9	FCB	\$07, \$0E, \$E0, \$A9, \$00, \$09, \$00, \$00
	798A 00 09 00 00		
188	798E 08 0E E0 AA	FCB	\$08, \$0E, \$E0, \$AA, \$00, \$09, \$00, \$00
	7992 00 09 00 00		
189	7996 09 0E E0 AB	FCB	\$09, \$0E, \$E0, \$AB, \$00, \$09, \$00, \$00
	799A 00 09 00 00		
190	799E 0D 0E E0 A3	FCB	\$0D, \$0E, \$E0, \$A3, \$00, \$3F, \$01, \$00
	79A2 00 3F 01 00		
191	79A6 0E 0E E0 A2	FCB	\$0E, \$0E, \$E0, \$A2, \$00, \$24, \$01, \$00
	79AA 00 24 01 00		
192	79AE 0F 0E E0 A1	FCB	\$0F, \$0E, \$E0, \$A1, \$00, \$63, \$01, \$00

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      79B2 00 63 01 00
193 79B6 FF FF          FCB    $FF,$FF
194
195 79B8 108E 78CA      Z79B8 LDY    #Z78CA
196 79BC 7D   EB3C      TST    >ZEB3C
197 79BF 26   04        BNE    Z79C5
198 79C1 108E 792C      LDY    #Z792C
199 79C5 C6   18        Z79C5 LDB    ##1B
200 79C7 34   04        PSHS   B
201 79C9 E6   E4        Z79C9 LDB    ,S
202 79CB A6   21        LDA    $01,Y
203 79CD 34   20        PSHS   Y
204 79CF AD   9F 5824   JSR    [SECUR]
205 79D3 35   20        PULS   Y
206 79D5 A6   A4        LDA    ,Y
207 79D7 AE   22        LDX    $02,Y
208 79D9 EC   86        LDD    A,X
209 79DB 34   20        PSHS   Y
210 79DD AD   B8 04     JSR    [$04,Y]
211 79E0 35   20        PULS   Y
212 79E2 31   26        LEAY   $06,Y
213 79E4 EC   A4        LDD    ,Y
214 79E6 1083 FFFF      CMPD   ##FFFF
215 79EA 26   DD        BNE    Z79C9
216 79EC 35   84        PULS   PC,B
217
218 79EE C3   0001      ADDD   ##0001
219 79F1 6E   9F EB28   JMP    [ZEB28]
220
221 79F5 B7   EA2D      STA    >MERK1
222 79F8 CE   EA2D      LDU    #MERK1
223 79FB 6E   9F EB24   JMP    [ZEB24]
224
225 79FF F7   EA39      Z79FF STB    >MERK3
226 7A02 1F   89        TFR    A,B
227 7A04 C1   FF        CMPB   ##FF
228 7A06 27   11        BEQ    Z7A19
229 7A08 AD   9F EB26   JSR    [ZEB26]
230 7A0C 86   2F        LDA    ##2F
231 7A0E AD   9F 5832   JSR    [OUTCX]
232 7A12 F6   EA39      LDB    >MERK3
233 7A15 6E   9F EB26   JMP    [ZEB26]
234
235 7A19 86   58        Z7A19 LDA    ##58
236 7A1B AD   9F 5832   JSR    [OUTCX]
237 >7A1F BD   7A5B      JSR    >Z7A5B
238 >7A22 BD   7A5B      JSR    >Z7A5B
239 7A25 1C   FE        ANDCC  ##FE
240 7A27 39          RTS
241
242 7A28 81   FF        CMPA   ##FF
243 7A2A 27   07        BEQ    Z7A33
244 >7A2C 16   001A     LBRA   Z7A49
245

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246	7A2F 81	FF		CPMA	##FF
247	7A31 26	1F		BNE	Z7A52
248	7A33 86	5B	Z7A33	LDA	##5B
249	7A35 AD	9F 5832		JSR	[OUTCX]
250	>7A39 BD	7A5D		JSR	>Z7A5D
251	7A3C 1C	FE		ANDCC	##FE
252	7A3E 39			RTS	
253					
254	7A3F 81	FF		CPMA	##FF
255	7A41 27	F0		BEQ	Z7A33
256	7A43 20	0D		BRA	Z7A52
257					
258	7A45 81	FF		CPMA	##FF
259	7A47 27	EA		BEQ	Z7A33
260	7A49 8B	30	Z7A49	ADDA	##30
261	7A4B AD	9F 5832		JSR	[OUTCX]
262	7A4F 1C	FE		ANDCC	##FE
263	7A51 39			RTS	
264					
265	7A52 1F	89	Z7A52	TFR	A,B
266	7A54 AD	9F EB26		JSR	[ZEB26]
267	7A58 1C	FE		ANDCC	##FE
268	7A5A 39			RTS	
269					
270	7A5B 8D	00	Z7A5B	BSR	Z7A5D
271	7A5D 86	20	Z7A5D	LDA	##20
272	7A5F 6E	9F 5832		JMP	[OUTCX]
273					
274	7A63 06 18 E6 06		Z7A63	FCB	#06,#18,#E6,#06,#00,#07,#00,#04
	7A67 00 07 00 04				
275					
276	7A6B 08 18 E6 08		Z7A6B	FCB	#08,#18,#E6,#08,#00,#07,#00,#04
	7A6F 00 07 00 04				
277					
278	7A73 09 18 E6 09		Z7A73	FCB	#09,#18,#E6,#09,#01,#08,#00,#04
	7A77 01 08 00 04				
279					
280	7A7B 0A 18 E6 0A		Z7A7B	FCB	#0A,#18,#E6,#0A,#00,#3F,#01,#04
	7A7F 00 3F 01 04				
281					
282	7A83 8E	7A63	Z7A83	LDX	#Z7A63
283	7A86 20	0F		BRA	Z7A97
284					
285	7A88 8E	7A6B	Z7A88	LDX	#Z7A6B
286	7A8B 20	0A		BRA	Z7A97
287					
288	7A8D 8E	7A73	Z7A8D	LDX	#Z7A73
289	7A90 20	05		BRA	Z7A97
290					
291	7A92 8E	7A7B	Z7A92	LDX	#Z7A7B
292	7A95 20	00		BRA	Z7A97
293					
294	7A97 CE	E900	Z7A97	LDU	#ZE900
295	7A9A C6	08		LDB	##08

296	7A9C A6	80	Z7A9C	LDA	,X+
297	7A9E A7	C0		STA	,U+
298	7AA0 5A			DECB	
299	7AA1 26	F9		BNE	Z7A9C
300	7AA3 8E	E900		LDX	#ZE900
301	7AA6 A6	B4		LDA	,X
302	7AA8 7D	EB3B		TST	>ZEB3B
303	7AAB 27	02		BEQ	Z7AAF
304	7AAD 8B	0A		ADDA	##0A
305	7AAF A7	84	Z7AAF	STA	,X
306	7AB1 EE	02		LDU	#02,X
307	7AB3 F6	EB54		LDB	>ZEB54
308	7AB6 33	C5		LEAU	B,U
309	7AB8 EF	02		STU	#02,X
310	7ABA 6E	9F 5816		JMP	[INVER1]
311					
312	7ABE 86	05	Z7ABE	LDA	##05
313	7AC0 7D	EB3B		TST	>ZEB3B
314	7AC3 27	02		BEQ	Z7AC7
315	7AC5 8B	0A		ADDA	##0A
316	7AC7 C6	18	Z7AC7	LDB	##18
317	7AC9 FD	EA39		STD	>MERK3
318	7ACC AD	9F 5824		JSR	[SECUR]
319	7ADD AD	9F 5830		JSR	[INVCH]
320	7AD4 CE	E604		LDU	#ZE604
321	7AD7 B6	EB54		LDA	>ZEB54
322	7ADA 33	C6		LEAU	A,U
323	7ADC AD	9F EB20		JSR	[ZEB20]
324	7AE0 AD	9F 5830		JSR	[INVCH]
325	7AE4 FC	EA39		LDD	>MERK3
326	7AE7 AD	9F 5824		JSR	[SECUR]
327	7AEB CE	E604		LDU	#ZE604
328	7AEE F6	EB54		LDB	>ZEB54
329	7AF1 EC	C5		LDD	B,U
330	7AF3 17	FF09		LBSR	Z79FF
331	7AF6 1C	FE		ANDCC	##FE
332	7AFB 39			RTS	
333					
334	7AF9 86	04	Z7AF9	LDA	##04
335	7AFB AD	9F 582A		JSR	[TASHEL]
336	7AFF 86	07		LDA	##07
337	7B01 7D	EB3B		TST	>ZEB3B
338	7B04 27	02		BEQ	Z7B08
339	7B06 8B	0A		ADDA	##0A
340	7B08 CE	EB42	Z7B08	LDU	#ZEB42
341	7B0B C6	17		LDB	##17
342	7B0D AD	9F 5824		JSR	[SECUR]
343	7B11 AD	9F EB1E		JSR	[ZEB1E]
344	7B15 CE	E607		LDU	#ZE607
345	7B1B F6	EB54		LDB	>ZEB54
346	7B1B 33	C5		LEAU	B,U
347	7B1D AD	9F EB22		JSR	[ZEB22]
348	7B21 BE	EB34		LDX	>ZEB34
349	7B24 AD	9F EB1C		JSR	[ZEB1C]

350	7B28 1A	01		ORCC	#*01
351	7B2A 39			RTS	
352					
353	7B2B BD	7C92	Z7B2B	JSR	>Z7C92
354	7B2E 86	55		LDA	##55
355	7B30 B7	EA68		STA	>TESTM
356	7B33 7D	EB3C		TST	>ZEB3C
357	7B36 27	77		BEQ	Z7BAF
358	7B3B BE	E600		LDX	>ZE600
359	7B3B 10BE	E610		LDY	>ZE610
360	7B3F B6	EB54		LDA	>ZEB54
361	7B42 34	02		PSHS	A
362	7B44 7F	EB54		CLR	>ZEB54
363	7B47 BF	EB80	Z7B47	STX	>ZEB80
364	7B4A AD	9F 7000		JSR	[Z7000]
365	7B4E 25	24		BCS	Z7B74
366	7B50 BD	7BE6	Z7B50	JSR	>Z7BE6
367	7B53 25	19		BCS	Z7B6E
368	7B55 8D	39		BSR	Z7B90
369	7B57 10BF	EB80		STY	>ZEB80
370	7B5B BD	7C36		JSR	>Z7C36
371	7B5E B6	E06B		LDA	>ZE06B
372	7B61 34	02		PSHS	A
373	7B63 AD	9F 7002		JSR	[Z7002]
374	7B67 8D	3A		BSR	Z7BA3
375	7B69 35	02		PULS	A
376	7B6B B7	E06B		STA	>ZE06B
377	7B6E AD	9F 7004	Z7B6E	JSR	[Z7004]
378	7B72 24	DC		BCC	Z7B50
379	7B74 10BC	E612	Z7B74	CMPY	>ZE612
380	7B78 26	06		BNE	Z7B80
381	7B7A 35	02		PULS	A
382	7B7C B7	EB54		STA	>ZEB54
383	7B7F 39			RTS	
384					
385	7B80 31	21	Z7B80	LEAY	*01,Y
386	7B82 BC	E602		CMPX	>ZE602
387	7B85 26	05		BNE	Z7BBC
388	7B87 BE	E600		LDX	>ZE600
389	7B8A 20	BB		BRA	Z7B47
390					
391	7B8C 30	01	Z7B8C	LEAX	*01,X
392	7B8E 20	B7		BRA	Z7B47
393					
394	7B90 C6	20	Z7B90	LDB	##20
395	7B92 34	10		PSHS	X
396	7B94 8E	EB80		LDX	#ZEB80
397	7B97 CE	EBA0		LDU	#ZEBA0
398	7B9A A6	80	Z7B9A	LDA	,X+
399	7B9C A7	C0		STA	,U+
400	7B9E 5A			DECB	
401	7B9F 26	F9		BNE	Z7B9A
402	7BA1 35	90		PULS	PC,X
403					

404	7BA3 C6	20	Z7BA3	LDB	##20
405	7BA5 34	10		PSHS	X
406	7BA7 BE	EBA0		LDX	#ZEBAO
407	7BAA CE	EB80		LDU	#ZEB80
408	7BAD 20	EB		BRA	Z7B9A
409					
410	7BAF BE	E620	Z7BAF	LDX	>ZE620
411	7BB2 B6	EB54		LDA	>ZEB54
412	7BB5 34	02		PSHS	A
413	7BB7 B6	20		LDA	##20
414	7BB9 B7	EB54		STA	>ZEB54
415	7BBC BF	EB80	Z7BBC	STX	>ZEB80
416	7BBF AD	9F 7000		JSR	[Z7000]
417	7BC3 25	12		BCS	Z7BD7
418	>7BC5 BD	7BE6	Z7BC5	JSR	>Z7BE6
419	7BC8 25	07		BCS	Z7BD1
420	7BCA AD	9F 7006		JSR	[Z7006]
421	7BCE 7A	E06B		DEC	>ZE06B
422	7BD1 AD	9F 7004	Z7BD1	JSR	[Z7004]
423	7BD5 24	EE		BCC	Z7BC5
424	7BD7 BC	E622	Z7BD7	CMPL	>ZE622
425	7BDA 26	06		BNE	Z7BE2
426	7BDC 35	02		PULS	A
427	7BDE B7	EB54		STA	>ZEB54
428	7BE1 39			RTS	
429					
430	7BE2 30	01	Z7BE2	LEAX	#01,X
431	7BE4 20	D6		BRA	Z7BBC
432					
433	7BE6 CE	E604	Z7BE6	LDU	#ZE604
434	7BE9 F6	EB54		LDB	>ZEB54
435	7BEC 33	C5		LEAU	B,U
436	7BEE EC	C4		LDD	,U
437	7BF0 10B3	FFFF		CMPL	##FFFF
438	7BF4 27	06		BEQ	Z7BFC
439	7BF6 10B3	EB82		CMPL	>ZEB82
440	7BFA 26	37		BNE	Z7C33
441	7BFC 33	42	Z7BFC	LEAU	#02,U
442	7BFE A6	C4		LDA	,U
443	7C00 B1	FF		CMPL	##FF
444	7C02 27	05		BEQ	Z7C09
445	7C04 B1	EB86		CMPL	>ZEB86
446	7C07 22	2A		BHI	Z7C33
447	7C09 33	42	Z7C09	LEAU	#02,U
448	7C0B A6	C4		LDA	,U
449	7C0D B1	FF		CMPL	##FF
450	7C0F 27	05		BEQ	Z7C16
451	7C11 B1	EB88		CMPL	>ZEB88
452	7C14 26	1D		BNE	Z7C33
453	7C16 33	41	Z7C16	LEAU	#01,U
454	7C18 A6	C4		LDA	,U
455	7C1A B1	FF		CMPL	##FF
456	7C1C 27	05		BEQ	Z7C23
457	7C1E B1	EB8A		CMPL	>ZEB8A

458	7C21	26	10		BNE	Z7C33
459	7C23	33	41	Z7C23	LEAU	#01,U
460	7C25	A6	C4		LDA	,U
461	7C27	81	FF		CMPA	##FF
462	7C29	27	05		BEQ	Z7C30
463	7C2B	B1	EB89		CMPA	>ZEB89
464	7C2E	26	03		BNE	Z7C33
465	7C30	1C	FE	Z7C30	ANDCC	##FE
466	7C32	39			RTS	
467						
468	7C33	1A	01	Z7C33	ORCC	##01
469	7C35	39			RTS	
470						
471	7C36	CE	E614	Z7C36	LDU	#ZE614
472	7C39	EC	C4		LDD	,U
473	7C3B	1083	FFFF		CMPD	##FFFF
474	7C3F	27	03		BEQ	Z7C44
475	7C41	FD	EB82		STD	>ZEB82
476	7C44	33	42	Z7C44	LEAU	#02,U
477	7C46	A6	C4		LDA	,U
478	7C48	81	FF		CMPA	##FF
479	7C4A	27	17		BEQ	Z7C63
480	7C4C	4A			DECA	
481	7C4D	2A	08		BPL	Z7C57
482	7C4F	B6	EB86		LDA	>ZEB86
483	7C52	27	0C		BEQ	Z7C60
484	7C54	4A			DECA	
485	7C55	20	09		BRA	Z7C60
486						
487	7C57	BB	EB86	Z7C57	ADDA	>ZEB86
488	7C5A	81	06		CMPA	##06
489	7C5C	25	02		BCS	Z7C60
490	7C5E	86	05		LDA	##05
491	7C60	B7	EB86	Z7C60	STA	>ZEB86
492	7C63	33	42	Z7C63	LEAU	#02,U
493	7C65	A6	C4		LDA	,U
494	7C67	81	FF		CMPA	##FF
495	7C69	27	03		BEQ	Z7C6E
496	7C6B	B7	EB88		STA	>ZEB88
497	7C6E	33	41	Z7C6E	LEAU	#01,U
498	7C70	A6	C4		LDA	,U
499	7C72	81	FF		CMPA	##FF
500	7C74	27	03		BEQ	Z7C79
501	7C76	B7	EB8A		STA	>ZEB8A
502	7C79	33	41	Z7C79	LEAU	#01,U
503	7C7B	A6	C4		LDA	,U
504	7C7D	81	FF		CMPA	##FF
505	7C7F	27	10		BEQ	Z7C91
506	7C81	F6	EB89		LDB	>ZEB89
507	7C84	58			ASLB	
508	7C85	48			ASLA	
509	7C86	48			ASLA	
510	7C87	3D			MUL	
511	7C88	81	3F		CMPA	##3F

512	7C8A 23	02		BLS	Z7C8E
513	7C8C 86	3F		LDA	##3F
514	7C8E B7	EB89	Z7C8E	STA	>ZEB89
515	7C91 39		Z7C91	RTS	
516					
517	7C92 8E	3000	Z7C92	LDX	##W3000
518	7C95 30	1F	Z7C95	LEAX	-#01,X
519	7C97 26	FC		BNE	Z7C95
520	7C99 1C	FE		ANDCC	##FE
521	7C9B 39			RTS	
522					
523	7C9C 86	20	Z7C9C	LDA	##20
524	7C9E 7D	EB3C		TST	>ZEB3C
525	7CA1 27	08		BEQ	Z7CAB
526	7CA3 4F			CLRA	
527	7CA4 7D	EB3B		TST	>ZEB3B
528	7CA7 27	02		BEQ	Z7CAB
529	7CA9 86	10		LDA	##10
530	7CAB B7	EB54	Z7CAB	STA	>ZEB54
531	7CAE 39			RTS	
532					
533	7CAF 7D	EB3C	Z7CAF	TST	>ZEB3C
534	7CB2 27	05		BEQ	Z7CB9
535	7CB4 73	EB3B		COM	>ZEB3B
536	7CB7 26	1C		BNE	Z7CD5
537	>7CB9 BD	7C9C	Z7CB9	JSR	>Z7C9C
538	7CBC 86	02		LDA	##02
539	7CBE 8D	31		BSR	Z7CF1
540	7CC0 CE	E600		LDU	#ZE600
541	7CC3 F6	EB54		LDB	>ZEB54
542	7CC6 AF	C5		STX	B,U
543	7CC8 86	03		LDA	##03
544	7CCA 8D	25		BSR	Z7CF1
545	7CCC CE	E602		LDU	#ZE602
546	7CCF F6	EB54		LDB	>ZEB54
547	7CD2 AF	C5		STX	B,U
548	7CD4 39			RTS	
549					
550	>7CD5 BD	7C9C	Z7CD5	JSR	>Z7C9C
551	7CD8 86	0C		LDA	##0C
552	7CDA 8D	15		BSR	Z7CF1
553	7CDC CE	E600		LDU	#ZE600
554	7CDF F6	EB54		LDB	>ZEB54
555	7CE2 AF	C5		STX	B,U
556	7CE4 86	0D		LDA	##0D
557	7CE6 8D	09		BSR	Z7CF1
558	7CE8 CE	E602		LDU	#ZE602
559	7CEB F6	EB54		LDB	>ZEB54
560	7CEE AF	C5		STX	B,U
561	7CF0 39			RTS	
562					
563	7CF1 C6	17	Z7CF1	LDB	##17
564	7CF3 AD	9F 5824		JSR	[SECUR]
565	7CF7 AD	9F EB1E		JSR	[ZEB1E]


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566 7CFB AD 9F EB2A      JSR    [ZEB2A]
567 7CFF AD 9F 5830      JSR    [INVCH]
568 7D03 8C 0000        CMPX   #WAVBAS
569 7D06 27 02          BEQ     Z7D0A
570 7D08 30 1F          LEAX    -#01,X
571 7D0A 39              RTS
572
573 7D0B 86 0A          Z7D0B LDA    ##0A
574 7D0D B7 EA3D          STA    >PAGEM
575 7D10 86 55          LDA    ##55
576 7D12 B7 EA68          STA    >TESTM
577 7D15 86 0C          LDA    ##0C
578 7D17 AD 9F 5832      JSR    [OUTCX]
579 7D1B 8E 7DB9        LDX    #Z7DB9
580 7D1E AD 9F EB1A      JSR    [ZEB1A]
581 7D22 6F E2          CLR    , -S
582 7D24 6C E4          Z7D24 INC    , S
583 7D26 8E 7F14        LDX    #Z7F14
584 7D29 BD F027        JSR    >PDAT1
585 7D2C A6 E4          LDA    , S
586 7D2E BB 30          ADDA   ##30
587 7D30 AD 9F 5832      JSR    [OUTCX]
588 7D34 BD 7A5D        JSR    >Z7A5D
589 7D37 86 3A          LDA    ##3A
590 7D39 AD 9F 5832      JSR    [OUTCX]
591 7D3D BD F021        JSR    >PCRLF
592 7D40 A6 E4          LDA    , S
593 7D42 81 08          CMPA   ##08
594 7D44 26 DE          BNE     Z7D24
595 7D46 32 61          LEAS   #01,S
596 7D48 BD F021        JSR    >PCRLF
597 7D4B BD F021        JSR    >PCRLF
598 7D4E BD F021        JSR    >PCRLF
599 7D51 8E 7F1F        LDX    #Z7F1F
600 7D54 BD F027        JSR    >PDAT1
601 7D57 BE EB32        LDX    >ZEB32
602 7D5A AD 9F EB1C      JSR    [ZEB1C]
603 7D5E 7F EB04        CLR    >INPENB
604 7D61 10BE 795E      LDY    #Z795E
605 7D65 C6 0E          LDB    ##0E
606 >Z7D67 BD 7D6D      JSR    >Z7D6D
607 7D6A 1A 01          ORCC   ##01
608 7D6C 39              RTS
609
610 7D6D 86 0B          Z7D6D LDA    ##0B
611 7D6F 34 02          PSHS   A
612 7D71 8E 795E        LDX    #Z795E
613 7D74 AD 9F 5814      Z7D74 JSR    [INVERS]
614 7D78 30 0B          LEAX    #0B,X
615 7D7A 6A E4          DEC    , S
616 7D7C 26 F6          BNE     Z7D74
617 7D7E 35 82          PULS   PC,A
618
619 7D80 10BE 795E      Z7D80 LDY    #Z795E

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620	7D84 48		ASLA	
621	7D85 48		ASLA	
622	7D86 48		ASLA	
623	7D87 30	A6	LEAX	A,Y
624	7D89 AD	9F 5816	JSR	[INVER1]
625	7D8D 1C	FE	ANDCC	##FE
626	7D8F 39		RTS	
627				
628	7D90 4F		Z7D90	CLRA
629	7D91 20	0A		BRA Z7D9D
630				
631	7D93 B6	EB57	Z7D93	LDA >ZEB57
632	7D96 4C			INCA
633	7D97 81	08		CMPA ##08
634	7D99 25	02		BCS Z7D9D
635	7D9B 86	07		LDA ##07
636	7D9D B7	EB57	Z7D9D	STA >ZEB57
637	7DA0 20	DE		BRA Z7D80
638				
639	7DA2 B6	EB57	Z7DA2	LDA >ZEB57
640	7DA5 4A			DECA
641	7DA6 2A	F5		BPL Z7D9D
642	7DA8 4F			CLRA
643	7DA9 20	F2		BRA Z7D9D
644				
645	7DAB 86	08	Z7DAB	LDA ##08
646	7DAD 20	D1		BRA Z7D80
647				
648	7DAF 86	09	Z7DAF	LDA ##09
649	7DB1 20	CD		BRA Z7D80
650				
651	7DB3 86	0A	Z7DB3	LDA ##0A
652	7DB5 20	C9		BRA Z7D80
653				
654	7DB7 39		Z7DB7	RTS
655				
656	7DB8 39		Z7DB8	RTS
657				
658	7DB9 55 20 50 20		Z7DB9	FCC "U P D A T E :"
	7DBD 44 20 41 20			
	7DC1 54 20 45 20			
	7DC5 3A			
659	7DC6 0D		FCB	\$0D
660	7DC7 0A		FCB	\$0A
661	7DC8 0A		FCB	\$0A
662	7DC9 04		FCB	\$04
663				
664	7DCA 43 20 4F 20		Z7DCA	FCC "C O P Y :"
	7DCE 50 20 59 20			
	7DD2 3A			
665	7DD3 0D		FCB	\$0D
666	7DD4 0A		FCB	\$0A
667	7DD5 0A		FCB	\$0A
668	7DD6 04		FCB	\$04

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669
670 7DD7 44 20 45 20  Z7DD7  FCC  "D E L E T E : "
    7ddb 4c 20 45 20
    7DDF 54 20 45 20
    7DE3 3A
671 7DE4 0D          FCB  $0D
672 7DE5 0A          FCB  $0A
673 7DE6 0A          FCB  $0A
674 7DE7 0A          FCB  $0A
675
676 7DE8 53 4F 55 52  Z7DE8  FCC  "SOURCE:  FROM BEAT No.: "
    7DEC 43 45 3A 20
    7DF0 20 46 52 4F
    7DF4 4D 20 42 45
    7DF8 41 54 20 4E
    7DFC 6F 2E 3A 20
677 7E00 0D          FCB  $0D
678 7E01 0A          FCB  $0A
679 7E02 20 20 20 20  FCC  "          TO BEAT No.: "
    7E06 20 20 20 20
    7E0A 20 20 20 54
    7E0E 4F 20 42 45
    7E12 41 54 20 4E
    7E16 6F 2E 3A 20
680 7E1A 0D          FCB  $0D
681 7E1B 0A          FCB  $0A
682 7E1C 0A          FCB  $0A
683 7E1D 53 45 4C 45  FCC  "SELECTION:      TIME : "
    7E21 43 54 49 4F
    7E25 4E 3A 20 20
    7E29 20 20 20 20
    7E2D 20 54 49 4D
    7E31 45 20 3A 20
684 7E35 0D          FCB  $0D
685 7E36 0A          FCB  $0A
686 7E37 0A          FCB  $0A
687
688 7E38 20 20 20 20  Z7E38  FCC  "          OCTAVE : "
    7E3C 20 20 20 20
    7E40 20 20 20 20
    7E44 20 20 20 4F
    7E48 43 54 41 56
    7E4C 45 20 3A 20
689 7E50 0D          FCB  $0D
690 7E51 0A          FCB  $0A
691 7E52 20 20 20 20  FCC  "          SEMITONE : "
    7E56 20 20 20 20
    7E5A 20 20 20 20
    7E5E 20 53 45 4D
    7E62 49 54 4F 4E
    7E66 45 20 3A 20
692 7E6A 0D          FCB  $0D
693 7E6B 0A          FCB  $0A
694 7E6C 20 20 20 20  FCC  "          BANK : "

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	7E70 20 20 20 20			
	7E74 20 20 20 20			
	7E78 20 20 20 20			
	7E7C 20 42 41 4E			
	7E80 4B 20 3A 20			
695	7E84 0D	FCB	\$0D	
696	7E85 0A	FCB	\$0A	
697	7E86 20 20 20 20	FCC	"	CHANNEL : "
	7E8A 20 20 20 20			
	7E8E 20 20 20 20			
	7E92 20 20 43 48			
	7E96 41 4E 4E 45			
	7E9A 4C 20 3A 20			
698	7E9E 0D	FCB	\$0D	
699	7E9F 0A	FCB	\$0A	
700	7EA0 20 20 20 20	FCC	"	UPDATE : "
	7EA4 20 20 20 20			
	7EAB 20 20 20 20			
	7EAC 20 20 55 50			
	7EB0 44 41 54 45			
	7EB4 20 20 3A 20			
701	7EB8 0D	FCB	\$0D	
702	7EB9 0A	FCB	\$0A	
703	7EBA 0A	FCB	\$0A	
704	7EBB 04	FCB	\$04	
705				
706	7EC0 44 45 53 54	Z7EBC FCC	"DESTIN.: FROM BEAT No.: "	
	7EC0 49 4E 2E 3A			
	7EC4 20 46 52 4F			
	7EC8 4D 20 42 45			
	7ECC 41 54 20 4E			
	7ED0 6F 2E 3A 20			
707	7ED4 0D	FCB	\$0D	
708	7ED5 0A	FCB	\$0A	
709	7ED6 20 20 20 20	FCC	"	TO BEAT No.: "
	7EDA 20 20 20 20			
	7EDE 20 20 20 54			
	7EE2 4F 20 42 45			
	7EE6 41 54 20 4E			
	7EEA 6F 2E 3A 20			
710	7EEE 0D	FCB	\$0D	
711	7EEF 0A	FCB	\$0A	
712	7EF0 0A	FCB	\$0A	
713	7EF1 4D 4F 44 49	FCC	"MODIFICATION: TIME : "	
	7EF5 46 49 43 41			
	7EF9 54 49 4F 4E			
	7EFD 3A 20 20 20			
	7F01 20 54 49 4D			
	7F05 45 20 3A 20			
714	7F09 0D	FCB	\$0D	
715	7F0A 0A	FCB	\$0A	
716	7F0B 04	FCB	\$04	
717	7F0C 20 42 41 4E	FCC	" BANK: "	
	7F10 4B 3A 20			

718	7F13 04		FCB	\$04	
719					
720	7F14 43 48 41 4E	Z7F14	FCC	"CHANNEL	"
	7F18 4E 45 4C 20				
	7F1C 20 20				
721	7F1E 04		FCB	\$04	
722					
723	7F1F 53 50 45 45	Z7F1F	FCC	"SPEED	: "
	7F23 44 20 20 20				
	7F27 20 20 20 20				
	7F2B 3A 20				
724	7F2D 0D		FCB	\$0D	
725	7F2E 0A		FCB	\$0A	
726	7F2F 42 41 53 45		FCC	"BASETUNE	: "
	7F33 54 55 4E 45				
	7F37 20 20 20 20				
	7F3B 3A 20				
727	7F3D 0D		FCB	\$0D	
728	7F3E 0A		FCB	\$0A	
729	7F3F 50 52 4F 47		FCC	"PROGRAM	: "
	7F43 52 41 4D 20				
	7F47 20 20 20 20				
	7F4B 3A 20				
730	7F4D 0D		FCB	\$0D	
731	7F4E 0A		FCB	\$0A	
732	7F4F 04		FCB	\$04	
733					
734			END		

0 ERROR(S) DETECTED

SYMBOL TABLE:

INESC	EB05	INPENB	EB04	INVCH	5830	INVER1	5816	INVERS	5814
MERK1	EA2D	MERK3	EA39	OUTSC	5832	PAGEM	EA3D	PCRLF	F021
PDATA1	F027	SECUR	5824	TASHEL	582A	TESTM	EA68	W3000	3000
WAVBAS	0000	Z5802	5802	Z7000	7000	Z7002	7002	Z7004	7004
Z7006	7006	Z7800	7800	Z7864	7864	Z7890	7890	Z78AE	78AE
Z78CA	78CA	Z792C	792C	Z795E	795E	Z7988	7988	Z79C5	79C5
Z79C9	79C9	Z79FF	79FF	Z7A19	7A19	Z7A33	7A33	Z7A49	7A49
Z7A52	7A52	Z7A5B	7A5B	Z7A5D	7A5D	Z7A63	7A63	Z7A6B	7A6B
Z7A73	7A73	Z7A7B	7A7B	Z7A83	7A83	Z7A8B	7A8B	Z7ABD	7ABD
Z7A92	7A92	Z7A9F	7A9F	Z7A9C	7A9C	Z7AAF	7AAF	Z7ABE	7ABE
Z7AC7	7AC7	Z7AF9	7AF9	Z7B08	7B08	Z7B2B	7B2B	Z7B47	7B47
Z7B50	7B50	Z7B6E	7B6E	Z7B74	7B74	Z7B80	7B80	Z7B8C	7B8C
Z7B90	7B90	Z7B9A	7B9A	Z7BA3	7BA3	Z7BAF	7BAF	Z7BBC	7BBC
Z7BC5	7BC5	Z7BD1	7BD1	Z7BD7	7BD7	Z7BE2	7BE2	Z7BE6	7BE6
Z7BFC	7BFC	Z7C09	7C09	Z7C16	7C16	Z7C23	7C23	Z7C30	7C30
Z7C33	7C33	Z7C36	7C36	Z7C44	7C44	Z7C57	7C57	Z7C60	7C60
Z7C63	7C63	Z7C6E	7C6E	Z7C79	7C79	Z7C8E	7C8E	Z7C91	7C91
Z7C92	7C92	Z7C95	7C95	Z7C9C	7C9C	Z7CAB	7CAB	Z7CAF	7CAF
Z7CB9	7CB9	Z7CD5	7CD5	Z7CF1	7CF1	Z7D0A	7D0A	Z7D0B	7D0B
Z7D24	7D24	Z7D6D	7D6D	Z7D74	7D74	Z7D80	7D80	Z7D90	7D90
Z7D93	7D93	Z7D9D	7D9D	Z7DA2	7DA2	Z7DAB	7DAB	Z7DAF	7DAF
Z7DB3	7DB3	Z7DB7	7DB7	Z7DB8	7DB8	Z7DB9	7DB9	Z7DCA	7DCA
Z7DD7	7DD7	Z7DEB	7DEB	Z7E38	7E38	Z7EBc	7EBc	Z7F14	7F14
Z7F1F	7F1F	ZEO6B	EO6B	ZE600	E600	ZE602	E602	ZE604	E604
ZE607	E607	ZE610	E610	ZE612	E612	ZE614	E614	ZE620	E620
ZE622	E622	ZE900	E900	ZEB1A	EB1A	ZEB1C	EB1C	ZEB1E	EB1E
ZE820	EB20	ZE822	EB22	ZE824	EB24	ZE826	EB26	ZE828	EB28
ZE82A	EB2A	ZE832	EB32	ZE834	EB34	ZE83B	EB3B	ZE83C	EB3C
ZE842	EB42	ZE843	EB43	ZE854	EB54	ZE857	EB57	ZE8B0	EB80
ZE8B2	EB82	ZE8B6	EB86	ZE8B8	EB88	ZE8B9	EB89	ZE8BA	EB8A
ZE8A0	EB8A								

Z7BD1	00422	00419			
Z7BD7	00424	00417			
Z7BE2	00430	00425			
Z7BE6	00433	00366	00418		
Z7BFC	00441	00438			
Z7C09	00447	00444			
Z7C16	00453	00450			
Z7C23	00459	00456			
Z7C30	00465	00462			
Z7C33	00468	00440	00446	00452	00458 00464
Z7C36	00471	00370			
Z7C44	00476	00474			
Z7C57	00487	00481			
Z7C60	00491	00483	00485	00489	
Z7C63	00492	00479			
Z7C6E	00497	00495			
Z7C79	00502	00500			
Z7C8E	00514	00512			
Z7C91	00515	00505			
Z7C92	00517	00353			
Z7C95	00518	00519			
Z7C9C	00523	00155	00537	00550	
Z7CAB	00530	00525	00528		
Z7CAF	00533	00100			
Z7CB9	00537	00534			
Z7CD5	00550	00536			
Z7CF1	00563	00539	00544	00552	00557
Z7D0A	00571	00569			
Z7D0B	00573	00034	00091		
Z7D24	00582	00594			
Z7D6D	00610	00606			
Z7D74	00613	00616			
Z7D80	00619	00637	00646	00649	00652
Z7D90	00628	00110			
Z7D93	00631	00111			
Z7D9D	00636	00629	00634	00641	00643
Z7DA2	00639	00112			
Z7DAB	00645	00113			
Z7DAF	00648	00116			
Z7DB3	00651	00117			
Z7DB7	00654	00114			
Z7DB8	00656	00115			
Z7DB9	00658	00579			
Z7DCA	00664	00130			
Z7DD7	00670	00146			
Z7DE8	00676	00132	00148		
Z7E38	00688	00134	00150		
Z7EBC	00706	00136			
Z7F14	00720	00583			
Z7F1F	00723	00599			
ZE068	00010	00371	00376	00421	
ZE600	00011	00358	00388	00540	00553
ZE602	00012	00386	00545	00558	
ZE604	00013	00320	00327	00433	
ZE607	00014	00344			
ZE610	00015	00359			
ZE612	00016	00379			
ZE614	00017	00471			
ZE620	00018	00410			
ZE622	00019	00424			
ZE900	00020	00294	00300		
ZEB1A	00036	00131	00147	00580	
ZEB1C	00037	00154	00349	00602	
ZEB1E	00038	00343	00565		
ZEB20	00039	00323			
ZEB22	00040	00347			
ZEB24	00041	00223			
ZEB26	00042	00229	00233	00266	

```

ZEB28      00043 00219
ZEB2A      00044 00566
ZEB32      00045 00601
ZEB34      00046 00153 00348
ZEB3B      00047 00127 00141 00302 00313 00337 00527 00535
ZEB3C      00048 00124 00140 00196 00356 00524 00533
ZEB42      00049 00340
ZEB43      00050 00125 00139
ZEB54      00051 00307 00321 00328 00345 00360 00362 00382 00411 00414 00427
           00434 00530 00541 00546 00554 00559
ZEB57      00052 00631 00636 00639
ZEB80      00053 00363 00369 00396 00407 00415
ZEB82      00054 00439 00475
ZEB86      00055 00445 00482 00487 00491
ZEB88      00056 00451 00496
ZEB89      00057 00463 00506 00514
ZEB8A      00058 00457 00501
ZEBA0      00059 00397 00406

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8.10.84

OPT PAG

* NAM DD.CMDV2R3.3

7.10.84

DD.CMD

V2
R 3.3

Waveterm

Delete

File Name?

2									
3									
4									
5									
6									
7		5800	WASS1	EQU		#5800			
8		5818	INDEZO	EQU		#5818			
9		5820	INCHA	EQU		#5820			
10		5830	INVCH	EQU		#5830			
11		5832	OUTCX	EQU		#5832			
12		5836	INBUF	EQU		#5836			
13		5838	INB2	EQU		#5838			
14		583A	DOS	EQU		#583A			
15		C080	LBUR	EQU		#C080			
16		C087	ZC087	EQU		#C087			
17		C08F	ZC08F	EQU		#C08F			
18									
19		CC14	LPTER	EQU		#CC14			
20		EA2E	MERK2	EQU		#EA2E			
21		EA36	ECHO	EQU		#EA36			
22		EA3D	PAGEM	EQU		#EA3D			
23		EA48	ZIFF	EQU		#EA48			
24		EB00	FILE	EQU		#EB00			
25		EB05	INESC	EQU		#EB05			
26		EB10	STOR3	EQU		#EB10			
27		EC85	MCHECK	EQU		#EC85			
28		F021	PCRLF	EQU		#F021			
29		F027	PDATA1	EQU		#F027			
30		FFFF	ZFFFF	EQU		#FFFF			
31									
32									
33	C380			ORG		#C380			
34									
35									
36	C380	44	45	4C	45	ZC380	FCC	"DELETE "	
	C384	54	45	20					
37	C387	04				FCB		#04	
38									
39	C388	2E	55	53	52	ZC388	FCC	".USR"	
40	C38C	04				FCB		#04	
41									
42	C38D	108E	C3D8			ZC38D	LDY	#ZC3D8	
43	C391	BD	C476				JSR	>ZC476	
44	C394	B7	EA2E				STA	>MERK2	
45	C397	BE	C60C				LDX	#ZC60C	
46	C39A	BD	F027				JSR	>PDATA1	
47	C39D	B6	EA2E				LDA	>MERK2	
48	C3A0	AD	9F	5832			JSR	[OUTCX]	
49	C3A4	AD	9F	5830			JSR	[INVCH]	
50	C3AB	BE	C380				LDX	#ZC380	
51	C3AB	AD	9F	5836			JSR	[INBUF]	
52	C3AF	B6	EA2E				LDA	>MERK2	
53	C3B2	A7	A0				STA	,Y+	
54	C3B4	BD	C4AC				JSR	>ZC4AC	
55	C3B7	BE	C388				LDX	#ZC388	
56	C3BA	AD	9F	5838			JSR	[INB2]	
57	C3BE	AD	9F	583A			JSR	[DOS]	

8.10.84

DOS	00014	00057	00066
ECHO	00021	00134	00147 00157 00163 00179
FILE	00024	00168	00176 00208
INB2	00013	00056	
INBUF	00012	00051	
INCHA	00009	00135	
INDEZO	00008	00148	
INESC	00025	00180	
INVCH	00010	00049	00156 00162
LBUFR	00015	00062	
LPTER	00019	00063	
MCHECK	00027	00167	
MERK2	00020	00044	00047 00052
OUTCX	00011	00048	00121 00159
PAGEM	00022	00171	
PCRLF	00028	00119	
PDATA1	00029	00046	00126
STOR3	00026	00178	
WASS1	00007	00175	
ZC087	00016	00064	
ZC08F	00017	00065	
ZC380	00036	00050	
ZC388	00039	00055	
ZC38D	00042	00211	
ZC3DB	00068	00042	
ZC476	00119	00043	
ZC479	00120	00128	
ZC49B	00134	00127	
ZC4A9	00141	00137	
ZC4AC	00144	00054	
ZC4B0	00146	00154	
ZC4CD	00158	00129	00130
ZC4D3	00161	00150	
ZC4E0	00167	00125	
ZC4EA	00171	00169	
ZC4FC	00179	00177	
ZC60C	00208	00045	
ZFFFF	00030	00124	
ZIFF	00023	00161	

~~DD.DD~~

V2 DD.cmg
R 3.3

Waveterm

Delete

File Name ?

9.10.84

OPT PAG

RR.CMD

V 2

R 3.3

* NAM RR.CMDV2R3.3 8.10.84

2						
3						
4						
5						
6						
7		0000	WAVBAS	EQU		\$0000
8		2000	Z2000	EQU		\$2000
9		4000	TENDE	EQU		\$4000
10		5800	WASS1	EQU		\$5800
11		5818	INDEZD	EQU		\$5818
12		5820	INCHA	EQU		\$5820
13		5830	INVCH	EQU		\$5830
14		5832	OUTCX	EQU		\$5832
15		5838	INB2	EQU		\$5838
16		C080	LBURF	EQU		\$C080
17						
18		C840	ZC840	EQU		\$C840
19		CC14	LPTR	EQU		\$CC14
20		CD2D	ZCD2D	EQU		\$CD2D
21		CD3F	ZCD3F	EQU		\$CD3F
22		D403	FMSCLS	EQU		\$D403
23		D406	ZD406	EQU		\$D406
24		EA2E	MERK2	EQU		\$EA2E
25		EA36	ECHO	EQU		\$EA36
26		EA3D	PAGEM	EQU		\$EA3D
27		EA48	ZIFF	EQU		\$EA48
28		EA5F	RESULT	EQU		\$EA5F
29		EA61	PHI	EQU		\$EA61
30		EB00	FILE	EQU		\$EB00
31		EB05	INESC	EQU		\$EB05
32		EB10	STOR3	EQU		\$EB10
33		EC85	MCHECK	EQU		\$EC85
34		F021	PCRLF	EQU		\$F021
35		F027	PDATA1	EQU		\$F027
36		FFFF	ZFFFF	EQU		\$FFFF
37						
38						
39	C100			ORG		\$C100
40						
41						
42	C100	2E	55 53 52	ZC100	FCC	".USR"
43	C104	04		FCB		\$04
44						
45	C105	B6	EC85	ZC105	LDA	>MCHECK
46	C108	7D	EB00		TST	>FILE
47	C108	27	02		BEQ	ZC10F
48	C10D	80	04		SUBA	##04
49	C10F	B7	EA3D	ZC10F	STA	>PAGEM
50	C112	1F	B9		TFR	A,B
51	C114	5A			DECB	
52	C115	58			ASLB	
53	C116	8E	5800		LDX	#WASS1
54	C119	7D	EB00		TST	>FILE
55	C11C	27	03		BEQ	ZC121
56	C11E	8E	EB10		LDX	#STOR3
57	C121	7F	EA36	ZC121	CLR	>ECHO
58	C124	7F	EB05		CLR	>INESC

Waveterm

Save Transient

" lower WTable

" Resonator

59	C127 6E 95		JMP	[B,X]
60				
61	C129 10BE C1D8	ZC129	LDY	#ZC1D8
62	C12D BD C1F4		JSR	>ZC1F4
63	C130 B7 EA2E		STA	>MERK2
64	C133 8E C2A0		LDX	#ZC2A0
65	C136 BD F027		JSR	>PDAT1
66	C139 B6 EA2E		LDA	>MERK2
67	C13C AD 9F 5832		JSR	[OUTCX]
68	C140 AD 9F 5830		JSR	[INVCH]
69	C144 10BE C080		LDY	#LBUFR
70	C148 10BF CC14		STY	>LPTER
71	C14C B6 EA2E		LDA	>MERK2
72	C14F A7 A0		STA	,Y+
73	C151 BD C22A		JSR	>ZC22A
74	C154 8E C100		LDX	#ZC100
75	C157 AD 9F 5838		JSR	[INB2]
76	C15B 86 0D		LDA	#*0D
77	C15D A7 A4		STA	,Y
78	C15F 8E 4000		LDX	#TENDE
79	C162 B6 EA2E		LDA	>MERK2
80	C165 B1 54		CMFA	#*54
81	C167 27 03		BEQ	ZC16C
82	C169 8E 2000		LDX	#Z2000
83	C16C BF EA5F	ZC16C	STX	>RESULT
84	C16F 7F EA61		CLR	>PHI
85	C172 8E C840		LDX	#ZC840
86	C175 BD CD2D		JSR	>ZCD2D
87	C178 25 55		BCS	ZC1CF
88	C17A 86 01		LDA	#*01
89	C17C A7 84		STA	,X
90	C17E BD D406		JSR	>ZD406
91	C181 26 4C		BNE	ZC1CF
92	C183 86 FF		LDA	#*FF
93	C185 A7 88 3B		STA	#3B,X
94	C188 8E C840	ZC188	LDX	#ZC840
95	C18B BD D406		JSR	>ZD406
96	C18E 26 3F		BNE	ZC1CF
97	C190 F6 EA61		LDB	>PHI
98	C193 26 1B		BNE	ZC1B0
99	C195 8E C840		LDX	#ZC840
100	C198 BD D406		JSR	>ZD406
101	C19B 8E C840		LDX	#ZC840
102	C19E BD D406		JSR	>ZD406
103	C1A1 8E C840		LDX	#ZC840
104	C1A4 BD D406		JSR	>ZD406
105	C1A7 8E C840		LDX	#ZC840
106	C1AA BD D406		JSR	>ZD406
107	C1AD 7A EA61		DEC	>PHI
108	C1B0 7A EA61	ZC1B0	DEC	>PHI
109	C1B3 8E EA5F		LDX	>RESULT
110	C1B6 A7 82		STA	, -X
111	C1B8 BF EA5F		STX	>RESULT
112	C1BB 8C 0000		CMPX	#WAVBAS

113	C18E 26	C8		BNE	ZC188
114	C1C0 8E	C840		LDX	#ZC840
115	C1C3 86	04		LDA	##04
116	C1C5 A7	84		STA	,X
117	C1C7 BD	D406		JSR	>ZD406
118	C1CA 26	03		BNE	ZC1CF
119	C1CC 32	62		LEAS	#02,S
120	C1CE 39			RTS	
121					
122	C1CF BD	CD3F	ZC1CF	JSR	>ZCD3F
123	C1D2 BD	D403		JSR	>FMSCLS
124	C1D5 32	62		LEAS	#02,S
125	C1D7 39			RTS	
126					
127	C1D8 C25E		ZC1D8	FDB	ZC25E
128	C1DA 54 30 30 30			FCC	"T0000 403F"
	C1DE 30 20 34 30				
	C1E2 33 46				
129	C1E4 04			FCB	#04
130	C1E5 C28A			FDB	ZC28A
131	C1E7 4C 30 30 30			FCC	"L0000 1FFF"
	C1EB 30 20 31 46				
	C1EF 46 46				
132	C1F1 04			FCB	#04
133	C1F2 FFFF			FDB	ZFFFF
134					
135	C1F4 BD	F021	ZC1F4	JSR	>PCRLF
136	C1F7 86	0D	ZC1F7	LDA	##0D
137	C1F9 AD	9F 5832		JSR	[OUTCX]
138	C1FD AE	A4		LDX	,Y
139	C1FF 31	2D		LEAY	#0D,Y
140	C201 8C	FFFF		CMPL	#ZFFFF
141	C204 1027	FEFD		LBEQ	ZC105
142	C208 BD	F027		JSR	>PDAT1
143	>C20B BD	C219		JSR	>ZC219
144	C20E 24	E7		BCC	ZC1F7
145	>C210 BD	C24B		JSR	>ZC24B
146	>C213 BD	C24B		JSR	>ZC24B
147	C216 A6	35		LDA	-#0B,Y
148	C218 39			RTS	
149					
150	C219 7F	EA36	ZC219	CLR	>ECHO
151	C21C AD	9F 5820		JSR	[INCHAI]
152	C220 81	04		CMPL	##04
153	C222 25	03		BCS	ZC227
154	C224 1C	FE		ANDCC	##FE
155	C226 39			RTS	
156					
157	C227 1A	01	ZC227	ORCC	##01
158	C229 39			RTS	
159					
160	C22A 86	03	ZC22A	LDA	##03
161	C22C 34	02		PSHS	A
162	C22E 5F		ZC22E	CLRB	

163	C22F 7C	EA36		INC	>ECHO	
164	C232 AD	9F 5818		JSR	[INDEZ0]	
165	C236 81	FF		CMFA	##FF	
166	C238 27	17		BEQ	ZC251	
167	C23A 8B	30		ADDA	##30	
168	C23C A7	A0		STA	,Y+	
169	C23E 6A	E4		DEC	,S	
170	C240 26	EC		BNE	ZC22E	
171	C242 32	61		LEAS	#01,S	
172	C244 AD	9F 5830		JSR	[INVCH]	
173	C248 7F	EA36		CLR	>ECHO	
174	C24B 86	20	ZC24B	LDA	##20	
175	C24D 6E	9F 5832		JMP	[OUTCX]	
176						
177	C251 7F	EA48	ZC251	CLR	>ZIFF	
178	C254 AD	9F 5830		JSR	[INVCH]	
179	C258 7F	EA36		CLR	>ECHO	
180	C25B 32	63		LEAS	#03,S	
181	C25D 39			RTS		
182						
183	C25E 54 52 41 4E		ZC25E	FCC	"TRANSIENT SOUND <T> ?"	
	C262 53 49 45 4E					
	C266 54 20 53 4F					
	C26A 55 4E 44 20					
	C26E 3C 54 3E 20					
	C272 3F					
184	C273 04			FCB	#04	
185	C274 52 45 53 4F			FCC	"RESONATOR <R> ?"	
	C278 4E 41 54 4F					
	C27C 52 20 20 20					
	C280 20 20 20 20					
	C284 3C 52 3E 20					
	C288 3F					
186	C289 04			FCB	#04	
187						
188	C28A 4C 4F 57 45		ZC28A	FCC	"LOWER WAVETABLE <L> ?"	
	C28E 52 20 57 41					
	C292 56 45 54 41					
	C296 42 4C 45 20					
	C29A 3C 4C 3E 20					
	C29E 3F					
189	C29F 04			FCB	#04	
190						
191	C2A0 46 49 4C 45		ZC2A0	FCC	"FILE-NAME ? : "	
	C2A4 2D 4E 41 4D					
	C2A8 45 20 3F 20					
	C2AC 3A 20					
192	C2AE 04			FCB	#04	
193						
194				END	ZC129	

0 ERROR(S) DETECTED

SYMBOL TABLE:

ECHO	EA36	FILE	EB00	FMSCLS	D403	INB2	5838	INCHA	5820
INDEZO	5818	INESC	EB05	INVCH	5830	LBUFR	C080	LPTER	CC14
MCHECK	EC85	MERK2	EA2E	OUTCX	5832	PAGEM	EA3D	PCRLF	F021
PDATA1	F027	PHI	EA61	RESULT	EA5F	STOR3	EB10	TENDE	4000
WASS1	5800	WAVBAS	0000	Z2000	2000	ZC100	C100	ZC105	C105
ZC10F	C10F	ZC121	C121	ZC129	C129	ZC16C	C16C	ZC188	C188
ZC1B0	C1B0	ZC1CF	C1CF	ZC1D8	C1D8	ZC1F4	C1F4	ZC1F7	C1F7
ZC219	C219	ZC227	C227	ZC22A	C22A	ZC22E	C22E	ZC24B	C24B
ZC251	C251	ZC25E	C25E	ZC28A	C28A	ZC2A0	C2A0	ZC840	C840
ZCD2D	CD2D	ZCD3F	CD3F	ZD406	D406	ZFFFF	FFFF	Z1FF	EA48

9.10.84

RR. CMD

ECHO	00025	00057	00150	00163	00173	00179
FILE	00030	00046	00054	00191		
FMSCLS	00022	00123				
INB2	00015	00075				
INCHA	00012	00151				
INDEZO	00011	00164				
INESC	00031	00058				
INVCH	00013	00068	00172	00178		
LBFR	00016	00069				
LPTER	00019	00070				
MCHECK	00033	00045				
MERK2	00024	00063	00066	00071	00079	
OUTCX	00014	00067	00137	00175		
PAGEM	00026	00049				
PCRLF	00034	00135				
PDATA1	00035	00065	00142			
PHI	00029	00084	00097	00107	00108	
RESULT	00028	00083	00109	00111		
STOR3	00032	00056				
TENDE	00009	00078				
WASS1	00010	00053				
WAVBAS	00007	00112				
Z2000	00008	00082				
ZC100	00042	00074				
ZC105	00045	00141				
ZC10F	00049	00047				
ZC121	00057	00055				
ZC129	00061	00194				
ZC16C	00083	00081				
ZC188	00094	00113				
ZC180	00108	00098				
ZC1CF	00122	00087	00091	00096	00118	
ZC1D8	00127	00061				
ZC1F4	00135	00062				
ZC1F7	00136	00144				
ZC219	00150	00143				
ZC227	00157	00153				
ZC22A	00160	00073				
ZC22E	00162	00170				
ZC24B	00174	00145	00146			
ZC251	00177	00166				
ZC25E	00183	00127				
ZC28A	00188	00130				
ZC2A0	00191	00064				
ZCB40	00018	00085	00094	00099	00101	00103
ZCD2D	00020	00086				
ZCD3F	00021	00122				
ZD406	00023	00090	00095	00100	00102	00104
ZFFFF	00036	00133	00140			
ZIFF	00027	00177				

V 2

R 3.3

Waveterm

Save Transist

" lower Wavetable

Resonator

8.10.84

HH.CMD

V2

R3.3

Workterm

Help - Page

Get

Delete

Save

Newdisk 1 (N1).cmd

OPT PAG

* NAM HH.CMDV2R3.3 7.10.84

2				
3				
4				
5				
6				
7	1404	Z1404	EQU	\$1404
8	1410	Z1410	EQU	\$1410
9	2800	Z2800	EQU	\$2800
10	2802	Z2802	EQU	\$2802
11	2BEE	Z2BEE	EQU	\$2BEE
12	4000	TENDE	EQU	\$4000
13	5800	WASS1	EQU	\$5800
14	5810	INITAS	EQU	\$5810
15	5812	TASBE	EQU	\$5812
16	5818	INDEZO	EQU	\$5818
17	5820	INCHA	EQU	\$5820
18	5824	SECUR	EQU	\$5824
19	5828	TEXAB	EQU	\$5828
20				
21	E900	ZE900	EQU	\$E900
22	EA2E	MERK2	EQU	\$EA2E
23	EA36	ECHO	EQU	\$EA36
24	EA3D	PAGEM	EQU	\$EA3D
25	EA48	ZIFF	EQU	\$EA48
26	EB00	FILE	EQU	\$EB00
27	EB04	INPENB	EQU	\$EB04
28	EB05	INESC	EQU	\$EB05
29	EB10	STOR3	EQU	\$EB10
30	EC85	MCHECK	EQU	\$EC85
31	F021	PCRLF	EQU	\$F021
32	F027	PDATA1	EQU	\$F027
33	FFFF	ZFFFF	EQU	\$FFFF
34				
35		* *****		
36	582E	ORG		\$582E
37		* *****		
38				
39	582E C214	KEYOUT	FDB	ZC214
40				
41	5830	INVCH	EQU	\$5830
42	5832	OUTCX	EQU	\$5832
43	5834	SENDE	EQU	\$5834
44	5836	INBUF	EQU	\$5836
45	5838	INB2	EQU	\$5838
46	583A	DOS	EQU	\$583A
47				
48		* *****		
49	583E	ORG		\$583E
50		* *****		
51				
52	583E 47 45 54 20	START	FCC	"GET "
53	5842 04		FCB	\$04
54				
55	5843 53 41 56 45	Z5843	FCC	"SAVE "
	5847 20			
56	5848 04		FCB	\$04
57				

```

58 5849 44 45 4C 45  Z5849  FCC  "DELETE "
584D 54 45 20
59 5850 04  FCB  #04
60
61 5851 2E 55 53 52  Z5851  FCC  ".USR"
62 5855 04  FCB  #04
63
64 5856 47 45 54 20  FCB  "GET O.E O.M"
585A 30 2E 45 20
585E 30 2E 4D
65 5861 04  FCB  #04
66 5862 47 45 54 20  FCC  "GET O.W O.R"
5866 30 2E 57 20
586A 30 2E 52
67 586D 04  FCB  #04
68
69 7012  Z7012  EQU  #7012
70
71 * *****
72 C200  ORG  #C200
73 * *****
74
75 C200 C24E  FDB  ZC24E
76 C202 C24E  FDB  ZC24E
77 C204 C48E  FDB  ZC48E
78 C206 C3EC  FDB  ZC3EC
79 C208 C3EB  FDB  ZC3EB
80 C20A C27D  FDB  ZC27D
81 C20C C2C7  FDB  ZC2C7
82 C20E C3B6  FDB  ZC3B6
83 C210 C3ED  FDB  ZC3ED
84 C212 C4D9  FDB  ZC4D9
85
86 C214 7F EB04  ZC214  CLR  >INPENB
87 C217 B6 EA3D  LDA  >PAGEM
88 C21A B7 EC85  STA  >MCHECK
89 C21D 86 FF  LDA  #$FF
90 C21F B7 EA3D  STA  >PAGEM
91 C222 AD 9F 5828 JSR  [TEXAB]
92 C226 4F  CLRA
93 C227 5F  CLRB
94 C228 AD 9F 5824 JSR  [SECUR]
95 C22C 8E C513  LDX  #ZC513
96 C22F BD F027  JSR  >PDAT1
97 C232 8E C552  LDX  #ZC552
98 C235 108E C55D LDY  #ZC55D
99 C239 AD 9F 5812 JSR  [TASBE]
100 C23D 86 03  LDA  ##03
101 C23F 5F  CLRB
102 C240 AD 9F 5824 JSR  [SECUR]
103 C244 7F EA36  CLR  >ECHO
104 C247 7C EB05  INC  >INESC
105 C24A 6E 9F 5810 JMP  [INITAS]
106

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107	C24E B6	EC85	ZC24E	LDA	>MCHECK
108	C251 7D	EB00		TST	>FILE
109	C254 27	02		BEQ	ZC258
110	C256 80	04		SUBA	##04
111	C258 B7	EA3D	ZC258	STA	>PAGEM
112	C25B 1F	89		TFR	A,B
113	C25D 5A			DECB	
114	C25E 58			ASLB	
115	C25F 8E	5800		LDX	##WASS1
116	C262 7D	EB00		TST	>FILE
117	C265 27	03		BEQ	ZC26A
118	C267 8E	EB10		LDX	##STOR3
119	C26A 7F	EA36	ZC26A	CLR	>ECHO
120	C26D 7F	EB05		CLR	>INESC
121	C270 6E	95		JMP	[B,X]
122					
123	C272 86	0D	ZC272	LDA	##0D
124	C274 20	02		BRA	ZC27B
125					
126	C276 86	05	ZC276	LDA	##05
127	C278 5F		ZC278	CLRB	
128	C279 6E	9F 5834		JMP	[SENDE]
129					
130	C27D 108E	C3F8	ZC27D	LDY	##ZC3F8
131	C281 BD	C4A9		JSR	>ZC4A9
132	C284 B7	EA2E		STA	>MERK2
133	C287 8E	C65E		LDX	##ZC65E
134	C28A BD	F027		JSR	>PDAT1
135	C28D B6	EA2E		LDA	>MERK2
136	C290 AD	9F 5832		JSR	[OUTCX]
137	C294 AD	9F 5830		JSR	[INVCH]
138	C298 8E	583E		LDX	##START
139	C29B AD	9F 5836		JSR	[INBUF]
140	C29F B6	EA2E		LDA	>MERK2
141	C2A2 A7	A0		STA	,Y+
142	C2A4 BD	C4DF		JSR	>ZC4DF
143	C2A7 BD	C3E0		JSR	>ZC3E0
144	C2AA B6	EA2E		LDA	>MERK2
145	C2AD 81	53		CMPA	##53
146	C2AF 26	09		BNE	ZC2BA
147	C2B1 7D	EB00		TST	>FILE
148	C2B4 27	04		BEQ	ZC2BA
149	C2B6 AD	9F 7012		JSR	[Z7012]
150	C2BA B6	EA2E	ZC2BA	LDA	>MERK2
151	C2BD 81	44		CMPA	##44
152	C2BF 26	03		BNE	ZC2C4
153	>C2C1 BD	C276		JSR	>ZC276
154	C2C4 1C	FE	ZC2C4	ANDCC	##FE
155	C2C6 39			RTS	
156					
157	C2C7 108E	C3F8	ZC2C7	LDY	##ZC3F8
158	C2CB BD	C4A9		JSR	>ZC4A9
159	C2CE 34	20		PSHS	Y
160	C2D0 B7	EA2E		STA	>MERK2

161	C2D3	8E	C65E	LDX	#ZC65E
162	C2D6	BD	F027	JSR	>PDAT1
163	C2D9	B6	EA2E	LDA	>MERK2
164	C2DC	AD	9F 5832	JSR	[OUTCX]
165	C2E0	AD	9F 5830	JSR	[INVCH]
166	C2E4	8E	5843	LDX	#Z5843
167	C2E7	AD	9F 5836	JSR	[INBUF]
168	C2EB	B6	EA2E	LDA	>MERK2
169	C2EE	A7	A0	STA	,Y+
170	C2F0	35	40	PULS	U
171	C2F2	BD	C4DF	JSR	>ZC4DF
172	C2F5	8E	5851	LDX	#Z5851
173	C2F8	AD	9F 5838	JSR	[INB2]
174	C2FC	1F	31	TFR	U,X
175	C2FE	86	20	LDA	##20
176	C300	A7	A0	STA	,Y+
177	C302	30	16	LEAX	-\$0A,X
178	C304	A6	84	LDA	,X
179	C306	B1	46	CMPS	##46
180	C308	26	65	BNE	ZC36F
181	C30A	BD	C272	JSR	>ZC272
182	C30D	FC	1404	LDD	>Z1404
183	C310	10B3	2BEE	CMPS	>Z2BEE
184	C314	25	03	BCS	ZC319
185	C316	FC	2BEE	LDD	>Z2BEE
186	C319	83	0400	SUBD	##0400
187	C31C	1F	01	TFR	D,X
188	C31E	A6	84	LDA	,X
189	C320	81	FF	CMPS	##FF
190	C322	27	02	BEQ	ZC326
191	C324	30	1F	LEAX	-\$01,X
192	C326	34	10	PSHS	X
193	C328	8E	2802	LDX	#Z2802
194	C32B	CE	1410	LDU	#Z1410
195	C32E	A6	C0	LDA	,U+
196	C330	A7	80	STA	,X+
197	C332	11A3	E4	CMPS	,S
198	C335	26	F7	BNE	ZC32E
199	C337	86	FF	LDA	##FF
200	C339	A7	84	STA	,X
201	C33B	32	62	LEAS	#02,S
202	C33D	34	10	PSHS	X
203	C33F	30	89 D7FE	LEAX	#D7FE,X
204	C343	BF	2800	STX	>Z2800
205	C346	8E	C369	LDX	#ZC369
206	C349	AD	9F 5838	JSR	[INB2]
207	C34D	A6	E4	LDA	,S
208	C34F	8D	56	BSR	ZC3A7
209	C351	A7	A0	STA	,Y+
210	C353	A6	E0	LDA	,S+
211	C355	8D	54	BSR	ZC3AB
212	C357	A7	A0	STA	,Y+
213	C359	A6	E4	LDA	,S
214	C35B	8D	4A	BSR	ZC3A7

215	C35D	A7	A0		STA	,Y+
216	C35F	A6	E0		LDA	,S+
217	C361	8D	48		BSR	ZC3AB
218	C363	A7	A0		STA	,Y+
219	C365	6E	9F 583A		JMP	[DOS]
220						
221	C369	32	38 30 30	ZC369	FCC	"2800 "
	C36D	20				
222	C36E	04			FCB	\$04
223						
224	C36F	AD	9F 5838	ZC36F	JSR	[INB2]
225	C373	34	20		PSHS	Y
226	C375	B6	EA2E		LDA	>MERK2
227	C378	81	44		CMPA	##44
228	C37A	26	05		BNE	ZC381
229	C37C	BD	C272		JSR	>ZC272
230	C37F	20	16		BRA	ZC397
231						
232	C381	81	54	ZC381	CMPA	##54
233	C383	26	12		BNE	ZC397
234	C385	86	0B		LDA	##0B
235	C387	C6	05		LDB	##05
236	C389	AD	9F 5834		JSR	[SENDE]
237	C38D	8E	E900		LDX	#ZE900
238	C390	10BE	4000		LDY	#TENDE
239	>C394	BD	C39D		JSR	>ZC39D
240	C397	35	20	ZC397	PULS	Y
241	C399	6E	9F 583A		JMP	[DOS]
242						
243	C39D	C6	40	ZC39D	LDB	##40
244	C39F	A6	80	ZC39F	LDA	,X+
245	C3A1	A7	A0		STA	,Y+
246	C3A3	5A			DECB	
247	C3A4	26	F9		BNE	ZC39F
248	C3A6	39			RTS	
249						
250	C3A7	44		ZC3A7	LSRA	
251	C3A8	44			LSRA	
252	C3A9	44			LSRA	
253	C3AA	44			LSRA	
254	C3AB	84	0F	ZC3AB	ANDA	##0F
255	C3AD	81	09		CMPA	##09
256	C3AF	23	02		BLS	ZC3B3
257	C3B1	8B	07		ADDA	##07
258	C3B3	8B	30	ZC3B3	ADDA	##30
259	C3B5	39			RTS	
260						
261	C3B6	10BE	C3F8	ZC3B6	LDY	#ZC3F8
262	C3BA	BD	C4A9		JSR	>ZC4A9
263	C3BD	B7	EA2E		STA	>MERK2
264	C3C0	8E	C65E		LDX	#ZC65E
265	C3C3	BD	F027		JSR	>PDAT1
266	C3C6	B6	EA2E		LDA	>MERK2
267	C3C9	AD	9F 5832		JSR	[OUTCX]

268	C3CD AD	9F 5830		JSR	[INVCH]
269	C3D1 8E	5849		LDX	#Z5849
270	C3D4 AD	9F 5836		JSR	[INBUF]
271	C3D8 B6	EA2E		LDA	>MERK2
272	C3DB A7	A0		STA	,Y+
273	C3DD BD	C4DF		JSR	>ZC4DF
274	C3E0 8E	5851	ZC3E0	LDX	#Z5851
275	C3E3 AD	9F 5838		JSR	[INB2]
276	C3E7 6E	9F 583A		JMP	[DOS]
277					
278	C3EB 39		ZC3EB	RTS	
279					
280	C3EC 39		ZC3EC	RTS	
281					
282	C3ED 8E	C462	ZC3ED	LDX	#ZC462
283	C3F0 AD	9F 5836		JSR	[INBUF]
284	C3F4 6E	9F 583A		JMP	[DOS]
285					
286	C3FB C5AE		ZC3FB	FDB	ZC5AE
287	C3FA 57 34 31 30			FCC	"W4100 57FF"
	C3FE 30 20 35 37				
	C402 46 46				
288	C404 04			FCB	#04
289	C405 C5			FCB	#C5
290	C406 C4			FCB	#C4
291	C407 54 30 30 30			FCC	"T0000 403F"
	C408 30 20 34 30				
	C40F 33 46				
292	C411 04			FCB	#04
293	C412 C5			FCB	#C5
294	C413 DA			FCB	#DA
295	C414 45 30 30 30			FCC	"E0000 3FFF"
	C418 30 20 33 46				
	C41C 46 46				
296	C41E 04			FCB	#04
297	C41F C5			FCB	#C5
298	C420 F0			FCB	#F0
299	C421 52 45 32 32			FCC	"RE220 E5FF"
	C425 30 20 45 35				
	C429 46 46				
300	C42B 04			FCB	#04
301	C42C C6			FCB	#C6
302	C42D 06			FCB	#06
303	C42E 53 46 46 46			FCC	"SFFFF FFFF"
	C432 46 20 46 46				
	C436 46 46				
304	C43B 04			FCB	#04
305	C439 C6			FCB	#C6
306	C43A 1C			FCB	#1C
307	C43B 4C 30 30 30			FCC	"L0000 1FFF"
	C43F 30 20 31 46				
	C443 46 46				
308	C445 04			FCB	#04
309	C446 C6			FCB	#C6

310	C447 32		FCB	\$32
311	C448 50 45 32 32		FCC	"PE220 E400"
	C44C 30 20 45 34			
	C450 30 30			
312	C452 04		FCB	\$04
313	C453 C6		FCB	\$C6
314	C454 48		FCB	\$48
315	C455 44 30 30 30		FCC	"D0000 2C00"
	C459 30 20 32 43			
	C45D 30 30			
316	C45F 04		FCB	\$04
317	C460 FF		FCB	\$FF
318	C461 FF		FCB	\$FF
319				
320	C462 46 49 4C 45	ZC462	FCC	"FILES W,U,T,U,E,U,R,U,S,U,L,U,P."
	C466 53 20 57 2E			
	C46A 55 2C 54 2E			
	C46E 55 2C 45 2E			
	C472 55 2C 52 2E			
	C476 55 2C 53 2E			
	C47A 55 2C 4C 2E			
	C47E 55 2C 50 2E			
321	C482 55 2C 44 2E		FCC	"U,D,U"
	C486 55			
322	C487 04		FCB	\$04
323				
324	C488 4E 20 31	ZC488	FCC	"N 1"
325	C48B 04		FCB	\$04
326				
327	C48C 48	ZC48C	FCC	"H"
328	C48D 04		FCB	\$04
329				
330	C48E BD F021	ZC48E	JSR	>PCRLF
331	C491 8E C66D		LDX	#ZC66D
332	C494 BD F027		JSR	>PDAT1
333	>C497 BD C4C8		JSR	>ZC4C8
334	C49A 1024 FDB0		LBCC	ZC24E
335	C49E 8E C488		LDX	#ZC488
336	C4A1 AD 9F 5836	ZC4A1	JSR	[INBUF]
337	C4A5 6E 9F 583A		JMP	[DOS]
338				
339	C4A9 BD F021	ZC4A9	JSR	>PCRLF
340	C4AC AE A4		LDX	,Y
341	C4AE 31 2D		LEAY	\$0D,Y
342	C4B0 8C FFFF		CMPX	#ZFFFF
343	C4B3 1027 FD97		LBEC	ZC24E
344	C4B7 BD F027		JSR	>PDAT1
345	>C4BA BD C4C8		JSR	>ZC4C8
346	C4BD 24 EA		BCC	ZC4A9
347	>C4BF BD C500		JSR	>ZC500
348	>C4C2 BD C500		JSR	>ZC500
349	C4C5 A6 35		LDA	-\$0B,Y
350	C4C7 39		RTS	
351				

352	C4C8	7F	EA36	ZC4C8	CLR	>ECHO	
353	C4CB	AD	9F 5820		JSR	[INCHA]	
354	C4CF	B1	04		CMPA	##04	
355	C4D1	25	03		BCS	ZC4D6	
356	C4D3	1C	FE		ANDCC	##FE	
357	C4D5	39			RTS		
358							
359	C4D6	1A	01	ZC4D6	ORCC	##01	
360	C4D8	39			RTS		
361							
362	C4D9	8E	C48C	ZC4D9	LDX	#ZC48C	
363	>C4DC	7E	C4A1		JMP	>ZC4A1	
364							
365	C4DF	86	03	ZC4DF	LDA	##03	
366	C4E1	34	02		PSHS	A	
367	C4E3	5F		ZC4E3	CLRB		
368	C4E4	7C	EA36		INC	>ECHO	
369	C4E7	AD	9F 5818		JSR	[INDEZ0]	
370	C4EB	B1	FF		CMPA	##FF	
371	C4ED	27	17		BEQ	ZC506	
372	C4EF	8B	30		ADDA	##30	
373	C4F1	A7	A0		STA	,Y+	
374	C4F3	6A	E4		DEC	,S	
375	C4F5	26	EC		BNE	ZC4E3	
376	C4F7	32	61		LEAS	#01,S	
377	C4F9	AD	9F 5830		JSR	[INVCH]	
378	C4FD	7F	EA36		CLR	>ECHO	
379	C500	86	20	ZC500	LDA	##20	
380	C502	6E	9F 5832		JMP	[OUTCX]	
381							
382	C506	7F	EA48	ZC506	CLR	>ZIFF	
383	C509	AD	9F 5830		JSR	[INVCH]	
384	C50D	7F	EA36		CLR	>ECHO	
385	C510	32	63		LEAS	#03,S	
386	C512	39			RTS		
387							
388	C513	50 50 47 20		ZC513	FCC	"PPG WAVE-TERM	***
	C517	57 41 56 45					
	C51B	2D 54 45 52					
	C51F	4D 20 20 20					
	C523	20 20 20 20					
	C527	20 20 20 20					
	C52B	20 20 20 20					
	C52F	20 20 2A 2A					
389	C533	2A 2A 2A 2A		FCC	"*****HELP*****"		
	C537	2A 2A 2A 2A					
	C53B	2A 2A 2A 2A					
	C53F	48 45 4C 50					
	C543	2A 2A 2A 2A					
	C547	2A 2A 2A 2A					
	C54B	2A 2A 2A 2A					
390	C54F	0D		FCB	#0D		
391	C550	0A		FCB	#0A		
392	C551	04		FCB	#04		

393							
394	C552 01	ZC552	FCB	#01			
395	C553 02		FCB	#02			
396	C554 03		FCB	#03			
397	C555 04		FCB	#04			
398	C556 05		FCB	#05			
399	C557 06		FCB	#06			
400	C558 07		FCB	#07			
401	C559 08		FCB	#08			
402	C55A 09		FCB	#09			
403	C55B 0A		FCB	#0A			
404	C55C FF		FCB	#FF			
405							
406	C55D 20 45 53 43	ZC55D	FCC	" ESCAPE	NEWDISK	YES	"
	C561 41 50 45 20						
	C565 20 20 20 20						
	C569 20 20 20 20						
	C56D 4E 45 57 44						
	C571 49 53 48 20						
	C575 20 20 20 59						
	C579 45 53 20 20						
407	C57D 20 20 20 4E		FCC	" NO	GET	STORE	DELETE "
	C581 4F 20 20 20						
	C585 20 20 47 45						
	C589 54 20 20 20						
	C58D 20 53 54 4F						
	C591 52 45 20 20						
	C595 44 45 4C 45						
	C599 54 45 20 20						
408	C59D 20 46 49 4C		FCC	" FILES	HELP		"
	C5A1 45 53 20 20						
	C5A5 20 20 48 45						
	C5A9 4C 50 20 20						
	C5AD 20						
409							
410	C5AE 53 50 45 43	ZC5AE	FCC	"SPECT.+ WAVETB. <W> ?"			
	C5B2 54 2E 2B 20						
	C5B6 57 41 56 45						
	C5BA 54 42 2E 20						
	C5BE 3C 57 3E 20						
	C5C2 3F						
411	C5C3 04		FCB	#04			
412	C5C4 54 52 41 4E		FCC	"TRANSIENT SOUND <T> ?"			
	C5C8 53 49 45 4E						
	C5CC 54 20 53 4F						
	C5D0 55 4E 44 20						
	C5D4 3C 54 3E 20						
	C5D8 3F						
413	C5D9 04		FCB	#04			
414	C5DA 45 56 45 4E		FCC	"EVENT TABLES	<E> ?"		
	C5DE 54 20 54 41						
	C5E2 42 4C 45 53						
	C5E6 20 20 20 20						
	C5EA 3C 45 3E 20						

	C5EE 3F		
415	C5EF 04	FCB	\$04
416	C5F0 52 45 53 4F	FCC	"RESONATOR <R> ?"
	C5F4 4E 41 54 4F		
	C5F8 52 20 20 20		
	C5FC 20 20 20 20		
	C600 3C 52 3E 20		
	C604 3F		
417	C605 04	FCB	\$04
418	C606 53 49 4E 47	FCC	"SINGLE SEQUENCE <S> ?"
	C60A 4C 45 20 53		
	C60E 45 51 55 45		
	C612 4E 43 45 20		
	C616 3C 53 3E 20		
	C61A 3F		
419	C61B 04	FCB	\$04
420	C61C 4C 4F 57 45	FCC	"LOWER WAVETABLE <L> ?"
	C620 52 20 57 41		
	C624 56 45 54 41		
	C628 42 4C 45 20		
	C62C 3C 4C 3E 20		
	C630 3F		
421	C631 04	FCB	\$04
422	C632 50 4C 41 59	FCC	"PLAY COMMAND <P> ?"
	C636 20 43 4F 4D		
	C63A 4D 41 4E 44		
	C63E 20 20 20 20		
	C642 3C 50 3E 20		
	C646 3F		
423	C647 04	FCB	\$04
424	C648 50 52 4F 47	FCC	"PROG./SEQU.DATA <D> ?"
	C64C 2E 2F 53 45		
	C650 51 55 2E 44		
	C654 41 54 41 20		
	C658 3C 44 3E 20		
	C65C 3F		
425	C65D 04	FCB	\$04
426			
427	C65E 46 49 4C 45	ZC65E FCC	"FILE-NAME ? : "
	C662 2D 4E 41 4D		
	C666 45 20 3F 20		
	C66A 3A 20		
428	C66C 04	FCB	\$04
429			
430	C66D 4E 45 57 44	ZC66D FCC	"NEWDISK FORMATTING ?"
	C671 49 53 4B 20		
	C675 20 46 4F 52		
	C679 4D 41 54 54		
	C67D 49 4E 47 20		
	C681 3F		
431	C682 0D	FCB	\$0D
432	C683 0A	FCB	\$0A
433	C684 04	FCB	\$04
434	C685 01	FCB	\$01

435 C686 02

FCB \$02

436 C687 08

FCB \$08

437 C688 64

FCC "d"

438

439

END ZC214

0 ERROR(S) DETECTED

SYMBOL TABLE:

DOS	583A	ECHO	EA36	FILE	EB00	INB2	5838	INBUF	5836
INCHA	5820	INDEZO	5818	INSEC	EB05	INITAS	5810	INPENB	EB04
INVCH	5830	KEYOUT	582E	MCHCEK	EC85	MERK2	E42E	OUTCX	5832
PAGEM	E43D	PCRLF	F021	PDATA1	F027	SECUR	5824	SENDE	5834
START	583E	STOR3	EB10	TASBE	5812	TENDE	4000	TEXAB	5828
WASS1	5800	Z1404	1404	Z1410	1410	Z2800	2800	Z2802	2802
Z2BEE	2BEE	Z5843	5843	Z5849	5849	Z5851	5851	Z7012	7012
ZC214	C214	ZC24E	C24E	ZC258	C258	ZC26A	C26A	ZC272	C272
ZC276	C276	ZC278	C278	ZC27D	C27D	ZC2BA	C2BA	ZC2CA	C2CA
ZC2C7	C2C7	ZC319	C319	ZC326	C326	ZC32E	C32E	ZC369	C369
ZC36F	C36F	ZC381	C381	ZC397	C397	ZC39D	C39D	ZC39F	C39F
ZC3A7	C3A7	ZC3AB	C3AB	ZC3B3	C3B3	ZC3B6	C3B6	ZC3EO	C3EO
ZC3EB	C3EB	ZC3EC	C3EC	ZC3ED	C3ED	ZC3FB	C3FB	ZC462	C462
ZC488	C488	ZC48C	C48C	ZC4BE	C4BE	ZC4A1	C4A1	ZC4A9	C4A9
ZC4C8	C4C8	ZC4D6	C4D6	ZC4D9	C4D9	ZC4DF	C4DF	ZC4E3	C4E3
ZC500	C500	ZC506	C506	ZC513	C513	ZC552	C552	ZC55D	C55D
ZC5AE	C5AE	ZC65E	C65E	ZC66D	C66D	ZE900	E900	ZFFFF	FFFF
ZIFF	E4A8								

8.70.84

HH ~~XXXX~~.CMD

DOS	00046	00219	00241	00276	00284	00337	
ECHO	00023	00103	00119	00352	00368	00378	00384
FILE	00026	00108	00116	00147	00427		
INB2	00045	00173	00206	00224	00275		
INBUF	00044	00139	00167	00270	00283	00336	
INCHA	00017	00353					
INDEZO	00016	00369					
INESC	00028	00104	00120				
INITAS	00014	00105					
INPENB	00027	00086					
INVCH	00041	00137	00165	00268	00377	00383	
KEYOUT	00039						
MCHECK	00030	00088	00107				
MERK2	00022	00132	00135	00140	00144	00150	00160
	00266	00271				00163	00168
						00226	00263
OUTCX	00042	00136	00164	00267	00380		
PAGEM	00024	00087	00090	00111			
PCRLF	00031	00330	00339				
PDATA1	00032	00096	00134	00162	00265	00332	00344
SECUR	00018	00094	00102				
SENDE	00043	00128	00236				
START	00052	00138					
STOR3	00029	00118					
TASBE	00015	00099					
TENDE	00012	00238					
TEXAB	00019	00091					
WASS1	00013	00115					
Z1404	00007	00182					
Z1410	00008	00194					
Z2800	00009	00204					
Z2802	00010	00193					
Z2BEE	00011	00183	00185				
Z5843	00055	00166					
Z5849	00058	00269					
Z5851	00061	00172	00274				
Z7012	00069	00149					
ZC214	00086	00039	00439				
ZC24E	00107	00075	00076	00334	00343		
ZC258	00111	00109					
ZC26A	00119	00117					
ZC272	00123	00181	00229				
ZC276	00126	00153					
ZC278	00127	00124					
ZC27D	00130	00080					
ZC2BA	00150	00146	00148				
ZC2C4	00154	00152					
ZC2C7	00157	00081					
ZC319	00186	00184					
ZC326	00192	00190					
ZC32E	00195	00198					
ZC369	00221	00205					
ZC36F	00224	00180					
ZC3B1	00232	00228					
ZC397	00240	00230	00233				
ZC39D	00243	00239					
ZC39F	00244	00247					
ZC3A7	00250	00208	00214				
ZC3AB	00254	00211	00217				
ZC3B3	00258	00256					
ZC3B6	00261	00082					
ZC3E0	00274	00143					
ZC3EB	00278	00079					
ZC3EC	00280	00078					
ZC3ED	00282	00083					
ZC3F8	00286	00130	00157	00261			
ZC462	00320	00282					

V 2

R 3.3

Waveterm

Help - Page

Get

Save

Delete

Newdisk (N1).CMD

ZC488	00324	00335		
ZC48C	00327	00362		
ZC48E	00330	00077		
ZC4A1	00336	00363		
ZC4A9	00339	00131	00158	00262 00346
ZC4C8	00352	00333	00345	
ZC4D6	00359	00355		
ZC4D9	00362	00084		
ZC4DF	00365	00142	00171	00273
ZC4E3	00367	00375		
ZC500	00379	00347	00348	
ZC506	00382	00371		
ZC513	00388	00095		
ZC552	00394	00097		
ZC55D	00406	00098		
ZC5AE	00410	00286		
ZC65E	00427	00133	00161	00264
ZC66D	00430	00331		
ZE900	00021	00237		
ZFFFF	00033	00342		
ZIFF	00025	00382		

6.10.84

OPT FAG

NAM M.BINV2R3.3

6.10.84

M. Bin

V2

R3.3

Waveterm

2				
3				
4				
5				
6				
7	0010	WAV10	EQU	\$0010
8	0080	Z0080	EQU	\$0080
9	2802	Z2802	EQU	\$2802
10	2805	Z2805	EQU	\$2805
11	282E	Z282E	EQU	\$282E
12	3FFF	Z3FFF	EQU	\$3FFF
13	4000	TENDE	EQU	\$4000
14	4004	Z4004	EQU	\$4004
15	4006	Z4006	EQU	\$4006
16	400C	Z400C	EQU	\$400C
17	4010	Z4010	EQU	\$4010
18	4013	Z4013	EQU	\$4013
19	401C	Z401C	EQU	\$401C
20	4440	Z4440	EQU	\$4440
21	4F49	Z4F49	EQU	\$4F49
22	5540	Z5540	EQU	\$5540
23	5628	Z5628	EQU	\$5628
24	57E0	Z57E0	EQU	\$57E0
25	57EC	Z57EC	EQU	\$57EC
26	5D55	Z5D55	EQU	\$5D55
27				
28	92B0	Z92B0	EQU	\$92B0
29	CDAA	ZCDAA	EQU	\$CDAA
30	E060	ZE060	EQU	\$E060
31	E062	ZE062	EQU	\$E062
32	E064	ZE064	EQU	\$E064
33	E065	ZE065	EQU	\$E065
34	E066	ZE066	EQU	\$E066
35	E068	ZE068	EQU	\$E068
36	E069	ZE069	EQU	\$E069
37	E06B	ZE06B	EQU	\$E06B
38	E06C	ZE06C	EQU	\$E06C
39	E06D	ZE06D	EQU	\$E06D
40	E06E	ZE06E	EQU	\$E06E
41	E070	ZE070	EQU	\$E070
42	E072	ZE072	EQU	\$E072
43	E082	ZE082	EQU	\$E082
44	E0A0	ZE0A0	EQU	\$E0A0
45	E0A3	ZE0A3	EQU	\$E0A3
46	E0AC	ZE0AC	EQU	\$E0AC
47	EA68	TESTM	EQU	\$EA68
48	EB7F	ZEB7F	EQU	\$EB7F
49	EB80	ZEB80	EQU	\$EB80
50	EB81	ZEB81	EQU	\$EB81
51	EB82	ZEB82	EQU	\$EB82
52	EB83	ZEB83	EQU	\$EB83
53	EB84	ZEB84	EQU	\$EB84
54	EB85	ZEB85	EQU	\$EB85
55	EB86	ZEB86	EQU	\$EB86
56	EB87	ZEB87	EQU	\$EB87
57	EB88	ZEB88	EQU	\$EB88
58	EB89	ZEB89	EQU	\$EB89

6.10.84

MBINA

V2 R3.3

Waveterm

TENDE	00013	00684	00688	00701	00734	01065
TESTM	00047	00667				
WAV10	00007	00519	00532	00627	00634	00866 00880
Z00B0	00008	00657				
Z2B02	00009	00668				
Z2B05	00010	00681				
Z2B2E	00011	00685				
Z3FFF	00012	00623	00629	00649		
Z4004	00014	01066				
Z4006	00015	00849				
Z400C	00016	00854				
Z4010	00017	00855				
Z4013	00018	00865				
Z401C	00019	00926				
Z4440	00020	00664				
Z4F49	00021	00663				
Z5540	00022	00658				
Z562B	00023	00068				
Z57E0	00024	00894	00988	01062		
Z57EC	00025	00069				
Z5D55	00026	00662				
Z6F00	00068	01067				
Z6F0F	00074	00084				
Z6F1C	00079	00082				
Z6F2D	00089	00931	00986	01019	01032	01040
Z6F2F	00090	00120				
Z6F3B	00093	00098				
Z6F41	00097	00094				
Z6F76	00122	00100	00102			
Z6F7B	00124	00077	00150			
Z7016	00148	00144				
Z701F	00151	00154				
Z7026	00155	00697				
Z7035	00160	00162				
Z704A	00170	00139				
Z7050	00174	00171				
Z7067	00184	00188				
Z707C	00194	00181				
Z708B	00199	00192				
Z708A	00200	00178				
Z708D	00201	00205				
Z70A2	00212	00174	00195	00257	00270	
Z70AE	00217	00225				
Z70C0	00226	00216				
Z70C3	00229	00220				
Z70C5	00230	00213				
Z70C8	00233	00141				
Z70CE	00237	00234				
Z70E7	00249	00240				
Z70EA	00252	00138	00975			
Z70F0	00256	00253				
Z70FB	00260	00268				
Z70FE	00263	00140				
Z7104	00267	00264				
Z710F	00271	00258				
Z7117	00276	00136	00884	01012		
Z711D	00280	00277				
Z712F	00289	00281				
Z7132	00292	00245	00272	00285		
Z719B	00345	00359				
Z71A1	00348	00355				
Z71BB	00363	00296	00341			
Z71BE	00366	00200	00221	00241	00411	00418 00639
Z71C6	00370	00368				

8.70.84

OPT PAG

* NAM FB.BINV2R3.3 7.10.84

FB.Bin

V2

R3.3

Waveterm

EVENT

Single Sequence

Sø. v. USR

2					
3					
4					
5					
6					
7		5830	INVCH	EQU	\$5830
8		5836	INBUF	EQU	\$5836
9		5838	INB2	EQU	\$5838
10		C080	LBUFFR	EQU	\$C080
11					
12		CC14	LPTER	EQU	\$CC14
13		CD2D	ZCD2D	EQU	\$CD2D
14		CD3F	ZCD3F	EQU	\$CD3F
15		D403	FMSCLS	EQU	\$D403
16		D406	ZD406	EQU	\$D406
17		EB36	ZEB36	EQU	\$EB36
18		EB4A	ZEB4A	EQU	\$EB4A
19		EB4F	ZEB4F	EQU	\$EB4F
20					
21					
22	C100			ORG	\$C100
23					
24					
25	C100 BE	EB4F	ZC100	LDX	>ZEB4F
26	C103 6D	1E		TST	-#02,X
27	C105 26	33		BNE	ZC13A
28	C107 34	50	ZC107	PSHS	U,X
29	C109 BD	C19E		JSR	>ZC19E
30	C10C 35	50		PULS	U,X
31	C10E 5D			TSTB	
32	C10F 1026	008B		LBNE	ZC19B
33	C113 6C	1E		INC	-#02,X
34	C115 BD	D406	ZC115	JSR	>ZD406
35	C118 BD	D406		JSR	>ZD406
36	C11B BD	D406		JSR	>ZD406
37	C11E BD	D406		JSR	>ZD406
38	C121 BD	D406		JSR	>ZD406
39	C124 34	02		PSHS	A
40	C126 BD	D406		JSR	>ZD406
41	C129 1F	89		TFR	A,B
42	C12B 35	02		PULS	A
43	C12D ED	16		STD	-#0A,X
44	C12F BD	D406		JSR	>ZD406
45	C132 86	FD		LDA	#FD
46	C134 A7	1F		STA	-#01,X
47	C136 86	FE		LDA	#FE
48	C138 20	4C		BRA	ZC186
49					
50	C13A BD	D406	ZC13A	JSR	>ZD406
51	C13D 27	35		BEQ	ZC174
52	C13F A6	01		LDA	#01,X
53	C141 81	08		CMPLA	#08
54	C143 26	56		BNE	ZC19B
55	C145 6A	1D	ZC145	DEC	-#03,X
56	C147 26	1B		BNE	ZC164
57	C149 86	04		LDA	#04
58	C14B A7	84		STA	,X

59	C14D BD	D406		JSR	>ZD406
60	C150 26	49		BNE	ZC19B
61	C152 6F	1E		CLR	-\$02,X
62	C154 A6	1C		LDA	-\$04,X
63	C156 81	01		CMPA	##01
64	C158 26	AD		BNE	ZC107
65	C15A 86	FF		LDA	##FF
66	C15C A7	C0		STA	,U+
67	C15E A7	C0		STA	,U+
68	C160 6F	1C		CLR	-\$04,X
69	C162 20	35		BRA	ZC199
70					
71	C164 86	05	ZC164	LDA	##05
72	C166 A7	84		STA	,X
73	C168 BD	D406		JSR	>ZD406
74	C168 26	2E		BNE	ZC19B
75	C16D 86	FF		LDA	##FF
76	C16F A7	8B 3B		STA	\$3B,X
77	C172 20	A1		BRA	ZC115
78					
79	C174 6D	1F	ZC174	TST	-\$01,X
80	C176 26	0E		BNE	ZC186
81	C178 BD	D406		JSR	>ZD406
82	C17B BD	D406		JSR	>ZD406
83	C17E BD	D406		JSR	>ZD406
84	C181 BD	D406		JSR	>ZD406
85	C184 6A	1F		DEC	-\$01,X
86	C186 6A	1F	ZC186	DEC	-\$01,X
87	C188 A7	C0		STA	,U+
88	C18A EC	16		LDD	-\$0A,X
89	C18C 83	0001		SUBD	##0001
90	C18F 27	B4		BEQ	ZC145
91	C191 ED	16		STD	-\$0A,X
92	C193 11B3	EB4A		CMPU	>ZEB4A
93	C197 26	A1		BNE	ZC13A
94	C199 5F		ZC199	CLRB	
95	C19A 39			RTS	
96					
97	C19B C6	01	ZC19B	LDB	##01
98	C19D 39			RTS	
99					
100	C19E A6	A0	ZC19E	LDA	,Y+
101	C1A0 10AC	1A		CMPLY	-\$06,X
102	C1A3 24	24		BCC	ZC1C9
103	C1A5 81	53		CMPA	##53
104	C1A7 27	0D		BEQ	ZC1B6
105	C1A9 81	49		CMPA	##49
106	C1AB 27	03		BEQ	ZC1B0
107	C1AD C6	01		LDB	##01
108	C1AF 39			RTS	
109					
110	C1B0 A6	A0	ZC1B0	LDA	,Y+
111	C1B2 A7	1D		STA	-\$03,X
112	C1B4 20	EB		BRA	ZC19E

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113
114 C1B6 A6 A0 ZC1B6 LDA ,Y+
115 >C1B8 BD C1E6 JSR >ZC1E6
116 C1B8 5D TSTB
117 C1BC 27 01 BEQ ZC1BF
118 C1BE 39 RTS
119
120 C1BF 1F 20 ZC1BF TFR Y,D
121 C1C1 C3 0002 ADDD ##0002
122 C1C4 10A3 1A CMPD -#06,X
123 C1C7 25 04 BCS ZC1CD
124 C1C9 86 01 ZC1C9 LDA ##01
125 C1CB A7 1C STA -#04,X
126 C1CD 34 20 ZC1CD PSHS Y
127 C1CF AD 9F EB36 JSR [ZEB36]
128 C1D3 BE EB4F LDX >ZEB4F
129 C1D6 A6 1C LDA -#04,X
130 C1D8 81 01 CMPA ##01
131 C1DA 26 04 BNE ZC1E0
132 C1DC AD 9F 5830 JSR [INVCH]
133 C1E0 5F ZC1E0 CLRB
134 C1E1 BE EB4F LDX >ZEB4F
135 C1E4 35 A0 PULS PC,Y
136
137 C1E6 34 20 ZC1E6 PSHS Y
138 C1E8 34 40 PSHS U
139 C1EA 34 02 PSHS A
140 C1EC 8E C245 LDX #ZC245
141 C1EF AD 9F 5836 JSR [INBUF]
142 C1F3 35 02 PULS A
143 C1F5 8D 32 BSR ZC229
144 C1F7 E7 A0 STB ,Y+
145 C1F9 A7 A0 STA ,Y+
146 C1FB 8E C24A LDX #ZC24A
147 C1FE AD 9F 5838 JSR [INB2]
148 C202 86 0D LDA ##0D
149 C204 A7 A4 STA ,Y
150 C206 BE EB4F LDX >ZEB4F
151 C209 108E C080 LDY #LBUFR
152 C20D 10BF CC14 STY >LPTER
153 C211 BD CD2D JSR >ZCD2D
154 C214 25 22 BCS ZC238
155 C216 86 01 LDA ##01
156 C218 A7 84 STA ,X
157 C21A BD D406 JSR >ZD406
158 C21D 26 19 BNE ZC238
159 C21F 86 FF LDA ##FF
160 C221 A7 88 3B STA #3B,X
161 C224 35 40 PULS U
162 C226 35 20 PULS Y
163 C228 39 RTS
164
165 C229 5F ZC229 CLRB
166 C22A 81 0A ZC22A CMPA ##0A

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167	C22C	25	05		BCS	ZC233
168	C22E	80	0A		SUBA	##0A
169	C230	5C			INCB	
170	C231	20	F7		BRA	ZC22A
171						
172	C233	8B	30	ZC233	ADDA	##30
173	C235	CB	30		ADDB	##30
174	C237	39			RTS	
175						
176	C238	BD	CD3F	ZC238	JSR	>ZCD3F
177	C23B	BD	D403		JSR	>FMSCLS
178	C23E	35	40		PULS	U
179	C240	35	20		PULS	Y
180	C242	C6	01		LDB	##01
181	C244	39			RTS	
182						
183	C245	312E		ZC245	FDB	\$312E
184	C247	53	30		FCC	"S0"
185	C249	04			FCB	\$04
186						
187	C24A	2E	55 53 52	ZC24A	FCC	".USR"
188	C24E	04			FCB	\$04
189						
190					END	

0 ERROR(S) DETECTED

SYMBOL TABLE:

FMSCLS	D403	INB2	5838	INBUF	5836	INVCH	5830	LBUFR	C0B0
LPTR	CC14	ZC100	C100	ZC107	C107	ZC115	C115	ZC13A	C13A
ZC145	C145	ZC164	C164	ZC174	C174	ZC186	C186	ZC199	C199
ZC19B	C19B	ZC19E	C19E	ZC180	C180	ZC186	C186	ZC1BF	C1BF
ZC1C9	C1C9	ZC1CD	C1CD	ZC1E0	C1E0	ZC1E6	C1E6	ZC229	C229
ZC22A	C22A	ZC233	C233	ZC238	C238	ZC245	C245	ZC24A	C24A
ZC2D2	C2D2	ZC2D3F	CD3F	ZD406	D406	ZEB36	EB36	ZEB4A	EB4A
ZEB4F	EB4F								

FMSCLS	00015	00177			
INB2	00009	00147			
INBUF	00008	00141			
INVCH	00007	00132			
LBUFR	00010	00151			
LPTR	00012	00152			
ZC100	00025				
ZC107	00028	00064			
ZC115	00034	00077			
ZC13A	00050	00027	00093		
ZC145	00055	00090			
ZC164	00071	00056			
ZC174	00079	00051			
ZC186	00086	00048	00080		
ZC199	00094	00069			
ZC19B	00097	00032	00054	00060	00074
ZC19E	00100	00029	00112		
ZC1B0	00110	00106			
ZC1B6	00114	00104			
ZC1BF	00120	00117			
ZC1C9	00124	00102			
ZC1CD	00126	00123			
ZC1E0	00133	00131			
ZC1E6	00137	00115			
ZC229	00165	00143			
ZC22A	00166	00170			
ZC233	00172	00167			
ZC23B	00176	00154	00158		
ZC245	00183	00140			
ZC24A	00187	00146			
ZCD2D	00013	00153			
ZCD3F	00014	00176			
ZD406	00016	00034	00035	00036	00037
	00081	00082	00083	00084	00157
ZEB36	00017	00127			
ZEB4A	00018	00092			
ZEB4F	00019	00025	00128	00134	00150

R 3.3

FB. Bin

Waveterm

EVENT

Single Sequence

ISO xx. USSR

9.10.84

H. CMD

OPT PAG

* NAM H.CMDV2R3.3 8.10.84

V2
R 3.3

Waveterm

Help-Listen

2					
3					
4					
5					
6					
7	5800	WASS1	EQU	\$5800	
8	580C	Z580C	EQU	\$580C	
9	580E	Z580E	EQU	\$580E	
10	5810	INITAS	EQU	\$5810	
11	5812	TASBE	EQU	\$5812	
12	5820	INCHA	EQU	\$5820	
13	5824	SECUR	EQU	\$5824	
14	582A	TASHEL	EQU	\$582A	
15	5832	OUTCX	EQU	\$5832	
16	8200	Z8200	EQU	\$8200	
17	C000	ZC000	EQU	\$C000	
18	C080	LBURF	EQU	\$C080	
19					
20	CC14	LPTER	EQU	\$CC14	
21	CD4B	DOCMND	EQU	\$CD4B	
22	EA36	ECHO	EQU	\$EA36	
23	EA3D	PAGEM	EQU	\$EA3D	
24	EB00	FILE	EQU	\$EB00	
25	EB05	INESC	EQU	\$EB05	
26	EB10	STOR3	EQU	\$EB10	
27	EC85	MCHECK	EQU	\$EC85	
28	F021	PCRLF	EQU	\$F021	
29	F027	PDATA1	EQU	\$F027	
30					
31					
32	C500		ORG	\$C500	
33					
34					
35	C500 8E	C5CE	ZC500 LDX	#ZC5CE	
36	C503 BD	F027	JSR	>PDATA1	
37	C506 B6	EC85	LDA	>MCHECK	
38	C509 81	08	CMPLA	##08	
39	C50B 25	02	BCS	ZC50F	
40	C50D 80	02	SUBA	##02	
41	C50F 8B	30	ADDA	##30	
42	C511 AD	9F 5832	JSR	[OUTCX]	
43	C515 8E	C5DF	LDX	#ZC5DF	
44	C518 BD	F027	JSR	>PDATA1	
45	C51B BD	F021	JSR	>PCRLF	
46	C51E B6	0A	LDA	##0A	
47	C520 AD	9F 582A	JSR	[TASHEL]	
48	C524 F6	EC85	LDB	>MCHECK	
49	C527 C1	08	CMPLB	##08	
50	C529 23	01	BLS	ZC52C	
51	C52B 5A		DECB		
52	C52C C1	05	CMPLB	##05	
53	C52E 25	02	BCS	ZC532	
54	C530 C0	04	SUBB	##04	
55	C532 BE	580E	LDX	>Z580E	
56	C535 5A		DECB		
57	C536 27	04	BEQ	ZC53C	
58	C53B 30	0B	LEAX	\$0B,X	

59	C53A 20	F9		BRA	ZC535
60					
61	C53C 10BE	580C	ZC53C	LDY	>Z580C
62	C540 AD	9F 5812		JSR	[TASBE]
63	C544 8E	C5C2		LDX	#ZC5C2
64	C547 10BE	C080		LDY	#LBUFR
65	C54B 10BF	CC14		STY	>LPTER
66	C54F A6	80	ZC54F	LDA	,X+
67	C551 81	04		CMPA	##04
68	C553 27	04		BEQ	ZC559
69	C555 A7	A0		STA	,Y+
70	C557 20	F6		BRA	ZC54F
71					
72	C559 B6	EC85	ZC559	LDA	>MCHECK
73	C55C 81	09		CMPA	##09
74	C55E 23	02		BLS	ZC562
75	C560 8B	07		ADDA	##07
76	C562 8B	30	ZC562	ADDA	##30
77	C564 A7	A0		STA	,Y+
78	C566 AD	9F 5820	ZC566	JSR	[INCHA]
79	C56A 81	09		CMPA	##09
80	C56C 24	F8		BCC	ZC566
81	C56E 8B	30		ADDA	##30
82	C570 A7	A0		STA	,Y+
83	C572 86	0D		LDA	##0D
84	C574 A7	A4		STA	,Y
85	C576 8E	8200		LDX	#ZB200
86	C579 6F	80	ZC579	CLR	,X+
87	C57B 8C	C000		CMFX	#ZC000
88	C57E 26	F9		BNE	ZC579
89	C580 CC	0001		LDD	##0001
90	C583 AD	9F 5824		JSR	[SECUR]
91	C587 BD	CD4B		JSR	>DDCMND
92	C58A AD	9F 5820		JSR	[INCHA]
93	C58E B6	EC85		LDA	>MCHECK
94	C591 81	08		CMPA	##08
95	C593 25	01		BCS	ZC596
96	C595 4A			DECA	
97	C596 7D	EB00	ZC596	TST	>FILE
98	C599 27	02		BEQ	ZC59D
99	C59B 80	04		SUBA	##04
100	C59D B7	EA3D	ZC59D	STA	>PAGEM
101	C5A0 1F	89		TFR	A,B
102	C5A2 5A			DECB	
103	C5A3 58			ASLB	
104	C5A4 8E	5800		LDX	#WASS1
105	C5A7 7D	EB00		TST	>FILE
106	C5AA 27	0E		BEQ	ZC5BA
107	C5AC 8E	EB10		LDX	#STOR3
108	C5AF 81	01		CMPA	##01
109	C5B1 27	07		BEQ	ZC5BA
110	C5B3 10BE	5810		LDY	>INITAS
111	C5B7 10AF	E4		STY	,S
112	C5BA 7F	EA36	ZC5BA	CLR	>ECHO

113	C5BD 7F	EB05	CLR	>INESC
114	C5C0 6E	95	JMP	[B,X]
115				
116	C5C2 4C 49 53 54	ZC5C2	FCC	"LIST 0.HELP"
	C5C6 20 30 2E 48			
	C5CA 45 4C 50			
117	C5CD 04		FCB	\$04
118				
119	C5CE 48 65 6C 70	ZC5CE	FCC	"Help for PAGE : "
	C5D2 20 66 6F 72			
	C5D6 20 50 41 47			
	C5DA 45 20 3A 20			
120	C5DE 04		FCB	\$04
121				
122	C5DF 20 20 20 53	ZC5DF	FCC	" Select Function !"
	C5E3 65 6C 65 63			
	C5E7 74 20 46 75			
	C5EB 6E 63 74 69			
	C5EF 6F 6E 20 21			
123	C5F3 04		FCB	\$04
124				
125			END	ZC500

0 ERROR(S) DETECTED

SYMBOL TABLE:

DOCMND	CD4B	ECHO	EA36	FILE	EB00	INCHA	5820	INESC	EB05
INITAS	5810	LBUFR	C080	LPTR	CC14	MCHECK	EC85	OUTCX	5832
PAGEM	EA3D	PCRLF	F021	PDATA1	F027	SECUR	5824	STOR3	EB10
TASBE	5812	TASHEL	582A	WAGS1	5800	Z580C	580C	Z580E	580E
Z8200	8200	ZC000	C000	ZC500	C500	ZC50F	C50F	ZC52C	C52C
ZC532	C532	ZC535	C535	ZC53C	C53C	ZC54F	C54F	ZC559	C559
ZC562	C562	ZC566	C566	ZC579	C579	ZC596	C596	ZC59D	C59D
ZC5BA	C5BA	ZC5C2	C5C2	ZC5CE	C5CE	ZC5DF	C5DF		

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DOCMND	00021	00091	
ECHO	00022	00112	
FILE	00024	00097	00105
INCHA	00012	00078	00092
INESC	00025	00113	
INITAS	00010	00110	
LBUFF	00018	00064	
LPTR	00020	00065	
MCHECK	00027	00037	00048 00072 00093
OUTCX	00015	00042	
PAGEM	00023	00100	
PCRLF	00028	00045	
PDATA1	00029	00036	00044
SECUR	00013	00090	
STOR3	00026	00107	
TASBE	00011	00062	
TASHEL	00014	00047	
WASS1	00007	00104	
Z580C	00008	00061	
Z580E	00009	00055	
Z8200	00016	00085	
ZC000	00017	00087	
ZC500	00035	00125	
ZC50F	00041	00039	
ZC52C	00052	00050	
ZC532	00055	00053	
ZC535	00056	00059	
ZC53C	00061	00057	
ZC54F	00066	00070	
ZC559	00072	00068	
ZC562	00076	00074	
ZC566	00078	00080	
ZC579	00086	00088	
ZC596	00097	00095	
ZC59D	00100	00098	
ZC5BA	00112	00106	00109
ZC5C2	00116	00063	
ZC5CE	00119	00035	
ZC5DF	00122	00043	

H. CMD

V2

R3.3

Waveterm

Help for Page x

select Functions

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OPT PAG

FI.CMD

* NAM FI.CMDV2R3.3

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V2

R3.3

Wavetern

Files

on User Disk

2				
3				
4				
5				
6				
7		8A00	ZBA00	EQU \$8A00
8		8B00	ZB800	EQU \$8B00
9		C080	LBUFFR	EQU \$C080
10		C100	ZC100	EQU \$C100
11		C101	ZC101	EQU \$C101
12		C103	ZC103	EQU \$C103
13		C105	ZC105	EQU \$C105
14				
15		C55E	ZC55E	EQU \$C55E
16		C840	ZC840	EQU \$C840
17		C843	ZC843	EQU \$C843
18		C844	ZC844	EQU \$C844
19		C84C	ZC84C	EQU \$C84C
20		C855	ZC855	EQU \$C855
21		CC02	ZCC02	EQU \$CC02
22		CC0C	ZCC0C	EQU \$CC0C
23		CC14	LPTR	EQU \$CC14
24		CD03	WARMST	EQU \$CD03
25		CD1E	ZCD1E	EQU \$CD1E
26		CD21	ZCD21	EQU \$CD21
27		CD24	ZCD24	EQU \$CD24
28		CD27	ZCD27	EQU \$CD27
29		CD2D	ZCD2D	EQU \$CD2D
30		CD39	ZCD39	EQU \$CD39
31		CD3F	ZCD3F	EQU \$CD3F
32		CD42	ZCD42	EQU \$CD42
33		D406	ZD406	EQU \$D406
34		EE05	SOFKEY	EQU \$EE05
35		EF05	XKOR	EQU \$EF05
36		EF07	YKOR	EQU \$EF07
37		F018	OUTCH	EQU \$F018
38		F027	PDATA1	EQU \$F027
39				
40				
41	C106			* *****
42				ORG \$C106
43				* *****
44	C106	BD	C4DF	ZC106 JSR >ZC4DF
45	C109	86	02	LDA #\$02
46	C10B	5F		CLRB
47	C10C	BD	C4E4	JSR >ZC4E4
48	C10F	86	FF	LDA #\$FF
49	C111	B7	C100	STA >C100
50	C114	10BE	CC14	LDY >LPTR
51	C118	10BF	C101	STY >C101
52	C11C	8E	C549	LDX #C549
53	C11F	BD	CD1E	JSR >ZCD1E
54	C122	BD	CD24	JSR >ZCD24
55	C125	8E	C55E	LDX #C55E
56	C128	BF	C103	STX >C103
57	C12B	86	0C	LDA #\$0C
58	C12D	B7	C105	STA >C105

59	C130	8E	C269	LDX	#ZC269
60	C133	7C	C100	INC	>ZC100
61	C136	B6	C100	LDA	>ZC100
62	C139	A6	B6	LDA	A,X
63	C13B	81	FF	CMPA	##FF
64	C13D	1027	032D	LBEO	ZC46E
65	C141	34	02	PSHS	A
66	C143	8E	C22A	LDX	#ZC22A
67	C146	BD	CD1E	JSR	>ZCD1E
68	C149	A6	E4	LDA	,S
69	C14B	BD	F018	JSR	>OUTCH
70	C14E	8E	C23E	LDX	#ZC23E
71	C151	BD	F027	JSR	>PDAT1
72	C154	AD	9F EE05	JSR	[SDFKEY]
73	C158	81	14	CMPA	##14
74	C15A	27	F8	BEQ	ZC154
75	C15C	81	03	CMPA	##03
76	C15E	27	10	BEQ	ZC170
77	C160	81	00	CMPA	##00
78	C162	26	05	BNE	ZC169
79	C164	35	02	PULS	A
80	C166	16	0305	LBRA	ZC46E
81					
82	C169	35	02	ZC169	PULS A
83	C16B	BD	C4DF	JSR	>ZC4DF
84	C16E	20	B5	BRA	ZC125
85					
86	C170	35	02	ZC170	PULS A
87	C172	BD	C282	JSR	>ZC282
88	C175	BD	C2A7	JSR	>ZC2A7
89	C178	108E	C55E	LDY	#ZC55E
90	C17C	10BC	C103	ZC17C	CMPLY >ZC103
91	C180	26	05	BNE	ZC187
92	C182	BD	C4C3	JSR	>ZC4C3
93	C185	20	9E	BRA	ZC125
94					
95	C187	C6	04	ZC187	LDB ##04
96	C189	A6	A0	ZC189	LDA ,Y+
97	C18B	BD	F018	JSR	>OUTCH
98	C18E	5A		DECB	
99	C18F	26	F8	BNE	ZC189
100	C191	C6	0A	LDB	##0A
101	C193	34	04	PSHS	B
102	C195	86	20	ZC195	LDA ##20
103	C197	BD	F018	JSR	>OUTCH
104	C19A	6A	E4	DEC	,S
105	C19C	26	F7	BNE	ZC195
106	C19E	32	61	LEAS	\$01,S
107	C1A0	8E	C080	LDX	##LBUFR
108	C1A3	BF	CC14	STX	>LPTER
109	C1A6	86	31	LDA	##31
110	C1A8	A7	80	STA	,X+
111	C1AA	86	2E	LDA	##2E
112	C1AC	A7	80	STA	,X+

113	C1AE 31 3C		LEAY	-\$04,Y
114	C1B0 C6 04		LDB	##04
115	C1B2 BD C29F		JSR	>ZC29F
116	C1B5 34 20		PSHS	Y
117	C1B7 10BE C225		LDY	#ZC225
118	C1BB C6 05		LDB	##05
119	C1BD BD C29F		JSR	>ZC29F
120	C1C0 8E C840		LDX	#ZC840
121	C1C3 BD CD2D		JSR	>ZCD2D
122	C1C6 8E C840		LDX	#ZC840
123	C1C9 86 01		LDA	##01
124	C1CB A7 84		STA	,X
125	C1CD BD D406		JSR	>ZD406
126	C1D0 27 03		BEQ	ZC1D5
127	C1D2 BD CD3F		JSR	>ZCD3F
128	C1D5 8E C840	ZC1D5	LDX	#ZC840
129	C1D8 86 FF		LDA	##FF
130	C1DA A7 8B 3B		STA	\$3B,X
131	C1DD BD D406		JSR	>ZD406
132	C1E0 BD D406		JSR	>ZD406
133	C1E3 81 C0		CMPA	##C0
134	C1E5 26 15		BNE	ZC1FC
135	C1E7 BD D406		JSR	>ZD406
136	C1EA BD D406		JSR	>ZD406
137	C1ED 8E C840	ZC1ED	LDX	#ZC840
138	C1F0 BD D406		JSR	>ZD406
139	C1F3 81 04		CMPA	##04
140	C1F5 27 05		BEQ	ZC1FC
141	C1F7 BD F018		JSR	>OUTCH
142	C1FA 20 F1		BRA	ZC1ED
143				
144	C1FC 8E C840	ZC1FC	LDX	#ZC840
145	C1FF 86 04		LDA	##04
146	C201 A7 84		STA	,X
147	C203 BD D406		JSR	>ZD406
148	C206 27 03		BEQ	ZC20B
149	C208 BD CD3F		JSR	>ZCD3F
150	C20B 35 20	ZC20B	PULS	Y
151	C20D BD CD24		JSR	>ZCD24
152	C210 7A C105		DEC	>ZC105
153	C213 1026 FF65		LBNE	ZC17C
154	C217 BD C4C3		JSR	>ZC4C3
155	C21A 86 0C		LDA	##0C
156	C21C B7 C105		STA	>ZC105
157	C21F BD CD24		JSR	>ZCD24
158	C222 16 FF57		LBRA	ZC17C
159				
160	C225 2E 55 53 52	ZC225	FCC	".USR"
161	C229 0D		FCB	\$0D
162				
163	C22A 4C 69 73 74	ZC22A	FCC	"List Files named: <"
	C22E 20 46 69 6C			
	C232 65 73 20 6E			
	C236 61 6D 65 64			

	C23A 3A 20 3C			
164	C23D 04	FCB	#04	
165				
166	C23E 3E 20 3F 20	ZC23E	FCC	"> ? YES, ESCAPE or any other ke"
	C242 20 59 45 53			
	C246 2C 20 45 53			
	C24A 43 41 50 45			
	C24E 20 6F 72 20			
	C252 61 6E 79 20			
	C256 6F 74 68 65			
	C25A 72 20 6B 65			
167	C25E 79 20 66 6F	FCC	"y for NO: "	
	C262 72 20 4E 4F			
	C266 3A 20			
168	C26B 04	FCB	#04	
169				
170	C269 43 54 4D 45	ZC269	FCC	"CTMERSLPWDKUFXYZ"
	C26D 52 53 4C 50			
	C271 57 44 4B 55			
	C275 46 5B 59 5A			
171	C279 FF	FCB	##FF	
172				
173	C27A 2E 55 53 52	ZC27A	FCC	".USR"
174	C27E 0D	FCB	#0D	
175				
176	C27F 46 49 20	ZC27F	FCC	"FI "
177				
178	C282 BE C101	ZC282	LDX	>ZC101
179	C285 BF CC14		STX	>LPTER
180	C288 BE C080		LDX	#LBUFR
181	C28B 108E C27F		LDY	#ZC27F
182	C28F C6 03		LDB	##03
183	C291 34 02		PSHS	A
184	C293 8D 0A		BSR	ZC29F
185	C295 35 02		PULS	A
186	C297 A7 80		STA	,X+
187	C299 108E C27A		LDY	#ZC27A
188	C29D C6 05		LDB	##05
189	C29F A6 A0	ZC29F	LDA	,Y+
190	C2A1 A7 80		STA	,X+
191	C2A3 5A		DECB	
192	C2A4 26 F9		BNE	ZC29F
193	C2A6 39		RTS	
194				
195	C2A7 32 E8 E5	ZC2A7	LEAS	-\$1B,S
196	C2AA 33 E4		LEAU	,S
197	C2AC 17 00D8		LBSR	ZC387
198	C2AF 17 015E	ZC2AF	LBSR	ZC410
199	C2B2 25 05		BCS	ZC2B9
200	C2B4 17 0129		LBSR	ZC3E0
201	C2B7 20 F6		BRA	ZC2AF
202				
203	C2B9 32 E8 1B	ZC2B9	LEAS	\$1B,S
204	C2BC 39		RTS	

205				
206	C2BD	8E	C844	ZC2BD LDX #ZC844
207	C2C0	C6	04	LDB ##04
208	C2C2	34	20	PSHS Y
209	C2C4	10BE	C103	LDY >ZC103
210	C2C8	A6	80	LDA ,X+
211	C2CA	A7	A0	STA ,Y+
212	C2CC	5A		DECB
213	C2CD	26	F9	BNE ZC2C8
214	C2CF	10BF	C103	STY >ZC103
215	C2D3	35	A0	PULS PC,Y
216				
217	C2D5	39		ZC2D5 RTS
218				
219	C2D6	AE	4F	ZC2D6 LDX #0F,U
220	C2D8	BF	CC14	STX >LPTER
221	C2DB	A6	84	LDA ,X
222	C2DD	B1	0D	CMPA ##0D
223	C2DF	27	4B	BEQ ZC32C
224	C2E1	B1	CC02	CMPA >ZCC02
225	C2E4	27	46	BEQ ZC32C
226	C2E6	30	C4	LEAX ,U
227	C2E8	31	84	LEAY ,X
228	C2EA	4F		CLRA
229	C2EB	5F		CLRB
230	C2EC	ED	B1	STD ,X++
231	C2EE	ED	B1	STD ,X++
232	C2F0	ED	B1	STD ,X++
233	C2F2	ED	B1	STD ,X++
234	C2F4	ED	B1	STD ,X++
235	C2F6	A7	84	STA ,X
236	C2F8	C6	08	LDB ##08
237	C2FA	17	00D3	ZC2FA LBSR ZC3D0
238	C2FD	25	0A	BCS ZC309
239	C2FF	A7	A0	STA ,Y+
240	C301	5A		DECB
241	C302	26	F6	BNE ZC2FA
242	C304	17	00C9	LBSR ZC3D0
243	C307	24	15	BCC ZC31E
244	C309	B1	2E	ZC309 CMPA ##2E
245	C30B	26	15	BNE ZC322
246	C30D	31	48	LEAY #08,U
247	C30F	C6	03	LDB ##03
248	C311	17	00BC	ZC311 LBSR ZC3D0
249	C314	25	0C	BCS ZC322
250	C316	A7	A0	STA ,Y+
251	C318	5A		DECB
252	C319	26	F6	BNE ZC311
253	C31B	17	00B2	LBSR ZC3D0
254	C31E	1024	013F	ZC31E LBCC ZC461
255	C322	BE	CC14	ZC322 LDX >LPTER
256	C325	AF	4F	STX #0F,U
257	C327	17	09FA	LBSR ZCD24
258	C32A	1C	FB	ANDCC ##FB

259	C32C 39		ZC32C	RTS	
260					
261	C32D 8E	C840	ZC32D	LDX	#ZC840
262	C330 A7	84		STA	,X
263	C332 7E	D406		JMP	>ZD406
264					
265	>C335 17	FF9D	ZC335	LBSR	ZC2D5
266	C338 86	07	ZC338	LDA	#*07
267	C33A 8D	F1		BSR	ZC32D
268	C33C 26	36		BNE	ZC374
269	C33E 6C	4E		INC	#0E,U
270	C340 26	02		BNE	ZC344
271	C342 6C	4D		INC	#0D,U
272	C344 6D	04	ZC344	TST	#04,X
273	C346 2B	F0		BMI	ZC338
274	C348 27	29		BEQ	ZC373
275	C34A 6D	4B		TST	#0B,U
276	C34C 26	23		BNE	ZC371
277	C34E 30	04		LEAX	#04,X
278	C350 31	C4		LEAY	,U
279	C352 C6	0B		LDB	#*0B
280	C354 A6	A0	ZC354	LDA	,Y+
281	C356 27	07		BEQ	ZC35F
282	C358 A1	B0		CMPA	,X+
283	C35A 26	D9		BNE	ZC335
284	C35C 5A			DECB	
285	C35D 26	F5		BNE	ZC354
286	C35F 8E	C84C	ZC35F	LDX	#ZC84C
287	C362 31	4B		LEAY	#0B,U
288	C364 C6	03		LDB	#*03
289	C366 A6	A0	ZC366	LDA	,Y+
290	C368 27	07		BEQ	ZC371
291	C36A A1	B0		CMPA	,X+
292	C36C 26	C7		BNE	ZC335
293	C36E 5A			DECB	
294	C36F 26	F5		BNE	ZC366
295	C371 1C	FB	ZC371	ANDCC	#*FB
296	C373 39		ZC373	RTS	
297					
298	C374 A6	01	ZC374	LDA	#01,X
299	C376 B1	0B		CMPA	#*0B
300	C378 1026	00EC		LBNE	ZC46B
301	C37C 39			RTS	
302					
303	C37D A6	B0	ZC37D	LDA	,X+
304	C37F 81	0D		CMPA	#*0D
305	C381 27	03		BEQ	ZC386
306	C383 B1	CC02		CMPA	>ZCC02
307	C386 39		ZC386	RTS	
308					
309	C387 4F		ZC387	CLRA	
310	C388 A7	C8 12		STA	#12,U
311	C38B A7	4B		STA	#0B,U
312	C38D A7	C8 11		STA	#11,U

313	C390	A7	4C		STA	\$0C,U
314	C392	BE	CC14		LDX	>LPTER
315	C395	AF	C8 13		STX	\$13,U
316	C398	AF	C8 15		STX	\$15,U
317	C39B	AF	C8 17		STX	\$17,U
318	C39E	8D	DD	ZC39E	BSR	ZC37D
319	C3A0	27	0D		BEQ	ZC3AF
320	C3A2	81	2E		CMPA	##2E
321	C3A4	27	09		BEQ	ZC3AF
322	C3A6	8D	CD21		JSR	>ZCD21
323	C3A9	25	F3		BCS	ZC39E
324	C3AB	81	39		CMPA	##39
325	C3AD	23	EF		BLS	ZC39E
326	C3AF	30	1F	ZC3AF	LEAX	-\$01,X
327	C3B1	AF	C8 15		STX	\$15,U
328	C3B4	8D	C7	ZC3B4	BSR	ZC37D
329	C3B6	26	FC		BNE	ZC3B4
330	C3B8	30	1F		LEAX	-\$01,X
331	C3BA	AF	C8 17		STX	\$17,U
332	C3BD	AC	C8 15		CMPX	\$15,U
333	C3C0	26	02		BNE	ZC3C4
334	C3C2	6C	4B		INC	\$0B,U
335	C3C4	AE	C8 15	ZC3C4	LDX	\$15,U
336	C3C7	AC	C8 13		CMPX	\$13,U
337	C3CA	26	03		BNE	ZC3CF
338	C3CC	6C	C8 11		INC	\$11,U
339	C3CF	39		ZC3CF	RTS	
340						
341	C3D0	BD	CD27	ZC3D0	JSR	>ZCD27
342	C3D3	24	0A		BCC	ZC3DF
343	C3D5	81	2D		CMPA	##2D
344	C3D7	27	06		BEQ	ZC3DF
345	C3D9	81	5F		CMPA	##5F
346	C3DB	27	02		BEQ	ZC3DF
347	C3DD	1A	01		ORCC	##01
348	C3DF	39		ZC3DF	RTS	
349						
350	C3E0	AE	C8 15	ZC3E0	LDX	\$15,U
351	C3E3	AF	4F		STX	\$0F,U
352	C3E5	17	093C		LBSR	ZCD24
353	C3E8	6D	4B		TST	\$0B,U
354	C3EA	27	05		BEQ	ZC3F1
355	C3EC	17	0935		LBSR	ZCD24
356	C3EF	20	05		BRA	ZC3F6
357						
358	C3F1	17	FEE2	ZC3F1	LBSR	ZCD26
359	C3F4	27	19		BEQ	ZC40F
360	C3F6	86	06	ZC3F6	LDA	##06
361	C3F8	BD	C32D		JSR	>ZC32D
362	C3FB	26	6B		BNE	ZC46B
363	C3FD	6F	4D		CLR	\$0D,U
364	C3FF	6F	4E		CLR	\$0E,U
365	C401	17	FF34	ZC401	LBSR	ZC338
366	C404	27	05		BEQ	ZC40B

367	C406 17	FEB4		LBSR	ZC2BD
368	C409 20	F6		BRA	ZC401
369					
370	C40B 6D	4B	ZC40B	TST	#0B,U
371	C40D 27	E2		BEQ	ZC3F1
372	C40F 39		ZC40F	RTS	
373					
374	C410 6D	4C	ZC410	TST	#0C,U
375	C412 26	12		BNE	ZC426
376	C414 6D	C8 11		TST	#11,U
377	C417 27	1E		BEQ	ZC437
378	C419 B6	CC0C		LDA	>ZCC0C
379	C41C B7	C843		STA	>ZC843
380	C41F 2A	33		BPL	ZC454
381	C421 6C	C8 12		INC	#12,U
382	C424 20	03		BRA	ZC429
383					
384	C426 17	FEAC	ZC426	LBSR	ZC2D5
385	C429 6D	C8 12	ZC429	TST	#12,U
386	C42C 27	09		BEQ	ZC437
387	C42E 86	14		LDA	##14
388	C430 17	FEFA		LBSR	ZC32D
389	C433 26	23		BNE	ZC458
390	C435 20	1D		BRA	ZC454
391					
392	C437 AE	C8 13	ZC437	LDX	#13,U
393	C43A AC	C8 15		CMPX	#15,U
394	C43D 24	19		BCC	ZC458
395	C43F BF	CC14		STX	>LPTER
396	C442 BD	CD42		JSR	>ZCD42
397	C445 25	1A		BCS	ZC461
398	C447 1F	10		TFR	X,D
399	C449 C4	03		ANDB	##03
400	C44B F7	C843		STB	>ZC843
401	C44E BE	CC14		LDX	>LPTER
402	C451 AF	C8 13		STX	#13,U
403	C454 6C	4C	ZC454	INC	#0C,U
404	C456 4F			CLRA	
405	C457 39			RTS	
406					
407	C458 AE	C8 17	ZC458	LDX	#17,U
408	C45B BF	CC14		STX	>LPTER
409	C45E 1A	01		ORCC	##01
410	C460 39			RTS	
411					
412	C461 8E	C840	ZC461	LDX	#ZC840
413	C464 86	1A		LDA	##1A
414	C466 A7	01		STA	#01,X
415	C468 BD	CD3F	ZC468	JSR	>ZCD3F
416	C46B 7E	CD03		JMP	>WARMST
417					
418	C46E BD	CD24	ZC46E	JSR	>ZCD24
419	C471 C6	01		LDB	##01
420	C473 8E	C840		LDX	#ZC840

421	C476	E7	03		STB	#03,X
422	C478	86	10		LDA	##10
423	C47A	A7	84		STA	,X
424	C47C	BD	D406		JSR	>ZD406
425	C47F	26	37		BNE	ZC4B8
426	C481	86	07		LDA	##07
427	C483	A7	84		STA	,X
428	C485	BD	D406		JSR	>ZD406
429	C488	26	2E		BNE	ZC4B8
430	C48A	30	8D 00B4		LEAX	>ZC542,PCR
431	C48E	BD	CD1E		JSR	>ZCD1E
432	C491	5F			CLRB	
433	C492	8E	C855		LDX	#ZC855
434	C495	BD	CD39		JSR	>ZCD39
435	C498	30	8D 007E		LEAX	>ZC51A,PCR
436	C49C	BD	F027		JSR	>PDAT1
437	C49F	8E	C855		LDX	#ZC855
438	C4A2	C6	02		LDB	##02
439	C4A4	64	84	ZC4A4	LSR	,X
440	C4A6	66	01		ROR	#01,X
441	C4A8	5A			DECB	
442	C4A9	26	F9		BNE	ZC4A4
443	C4AB	BD	CD39		JSR	>ZCD39
444	C4AE	30	8D 0085		LEAX	>ZC537,PCR
445	C4B2	BD	F027		JSR	>PDAT1
446	C4B5	7E	CD03		JMP	>WARMST
447						
448	C4B8	BD	CD3F	ZC4B8	JSR	>ZCD3F
449	C4BB	7E	CD03		JMP	>WARMST
450						
451	C4BE	35	10	ZC4BE	PULS	X
452	>C4C0	7E	C46E		JMP	>ZC46E
453						
454	C4C3	34	10	ZC4C3	PSHS	X
455	C4C5	8E	C50F		LDX	#ZC50F
456	C4C8	BD	CD1E		JSR	>ZCD1E
457	C4CB	AD	9F EE05	ZC4CB	JSR	[SOFKEY]
458	C4CF	81	14		CMPA	##14
459	C4D1	27	F8		BEQ	ZC4CB
460	C4D3	81	03		CMPA	##03
461	C4D5	27	06		BEQ	ZC4DD
462	C4D7	81	00		CMPA	##00
463	C4D9	27	E3		BEQ	ZC4BE
464	C4DB	20	EE		BRA	ZC4CB
465						
466	C4DD	35	10	ZC4DD	PULS	X
467	C4DF	8D	20	ZC4DF	BSR	ZC501
468	C4E1	86	04		LDA	##04
469	C4E3	5F			CLRB	
470	C4E4	34	10	ZC4E4	PSHS	X
471	C4E6	34	04		PSHS	B
472	C4E8	C6	0A		LDB	##0A
473	C4EA	3D			MUL	
474	C4EB	34	06		PSHS	B,A

475	C4ED CC 00FE		LDD	##00FE
476	C4F0 A3 E4		SUBD	,S
477	C4F2 FD EF07		STD	>YKOR
478	C4F5 32 62		LEAS	#02,S
479	C4F7 35 04		PULS	B
480	C4F9 86 06		LDA	##06
481	C4FB 3D		MUL	
482	C4FC FD EF05		STD	>XKOR
483	C4FF 35 90		PULS	PC,X
484				
485	C501 34 10	ZC501	PSHS	X
486	C503 8E 8A00		LDX	#ZBA00
487	C506 6F 80	ZC506	CLR	,X+
488	C508 8C B800		CMPX	#ZB800
489	C50B 26 F9		BNE	ZC506
490	C50D 35 90		PULS	PC,X
491				
492	C50F 43 4F 4E 54	ZC50F	FCC	"CONTINUE ?"
	C513 49 4E 55 45			
	C517 20 3F			
493	C519 04		FCB	#04
494				
495	C51A 20 72 65 6D	ZC51A	FCC	" remaining Sectors, approx. "
	C51E 61 69 6E 69			
	C522 6E 67 20 53			
	C526 65 63 74 6F			
	C52A 72 73 2C 20			
	C52E 61 70 70 72			
	C532 6F 78 2E 20			
496	C536 04		FCB	#04
497				
498	C537 20 4B 69 6C	ZC537	FCC	" Kilobytes"
	C53B 6F 62 79 74			
	C53F 65 73			
499	C541 04		FCB	#04
500				
501	C542 53 74 69 6C	ZC542	FCC	"Still "
	C546 6C 20			
502	C548 04		FCB	#04
503				
504	C549 46 69 6C 65	ZC549	FCC	"Files on User Disk :"
	C54D 73 20 6F 6E			
	C551 20 55 73 65			
	C555 72 20 44 69			
	C559 73 68 20 3A			
505	C55D 04		FCB	#04
506				
507			END	ZC106

0 ERROR(S) DETECTED

SYMBOL TABLE:

LBUR	C080	LPTER	CC14	OUTCH	F018	PDATA1	F027	SOFKEY	EE05
WARMST	CD03	XKOR	EF05	YKOR	EF07	ZBA00	BA00	ZB800	BB00
ZC100	C100	ZC101	C101	ZC103	C103	ZC105	C105	ZC106	C106
ZC125	C125	ZC154	C154	ZC169	C169	ZC170	C170	ZC17C	C17C
ZC187	C187	ZC189	C189	ZC195	C195	ZC1D5	C1D5	ZC1ED	C1ED
ZC1FC	C1FC	ZC20B	C20B	ZC225	C225	ZC22A	C22A	ZC23E	C23E
ZC269	C269	ZC27A	C27A	ZC27F	C27F	ZC282	C282	ZC29F	C29F
ZC2A7	C2A7	ZC2AF	C2AF	ZC2B9	C2B9	ZC2BD	C2BD	ZC2C8	C2C8
ZC2D5	C2D5	ZC2D6	C2D6	ZC2FA	C2FA	ZC309	C309	ZC311	C311
ZC31E	C31E	ZC322	C322	ZC32C	C32C	ZC32D	C32D	ZC335	C335
ZC338	C338	ZC344	C344	ZC354	C354	ZC35F	C35F	ZC366	C366
ZC371	C371	ZC373	C373	ZC374	C374	ZC37D	C37D	ZC386	C386
ZC387	C387	ZC39E	C39E	ZC3AF	C3AF	ZC3B4	C3B4	ZC3C4	C3C4
ZC3CF	C3CF	ZC3D0	C3D0	ZC3DF	C3DF	ZC3E0	C3E0	ZC3F1	C3F1
ZC3F6	C3F6	ZC401	C401	ZC40B	C40B	ZC40F	C40F	ZC410	C410
ZC426	C426	ZC429	C429	ZC437	C437	ZC454	C454	ZC458	C458
ZC461	C461	ZC468	C468	ZC46E	C46E	ZC4A4	C4A4	ZC488	C488
ZC4BE	C4BE	ZC4C3	C4C3	ZC4CB	C4CB	ZC4DD	C4DD	ZC4DF	C4DF
ZC4E4	C4E4	ZC501	C501	ZC506	C506	ZC50F	C50F	ZC51A	C51A
ZC537	C537	ZC542	C542	ZC549	C549	ZC55E	C55E	ZC840	C840
ZC843	C843	ZC844	C844	ZC84C	C84C	ZC855	C855	ZCC02	CC02
ZCC0C	CC0C	ZCD1E	CD1E	ZCD21	CD21	ZCD24	CD24	ZCD27	CD27
ZCD2D	CD2D	ZCD39	CD39	ZCD3F	CD3F	ZCD42	CD42	ZD406	D406

9.10.84

FI. (M)

LBUFR	00009	00107	00180						
LPTER	00023	00050	00108	00179	00220	00255	00314	00395	00401 00408
QUTCH	00037	00069	00097	00103	00141				
PDATAI	00038	00071	00436	00445					
SDFKEY	00034	00072	00457						
WARMST	00024	00416	00446	00449					
XKOR	00035	00482							
YKOR	00036	00477							
ZBA00	00007	00486							
ZB800	00008	00488							
ZC100	00010	00049	00060	00061					
ZC101	00011	00051	00178						
ZC103	00012	00056	00090	00209	00214				
ZC105	00013	00058	00152	00156					
ZC106	00044	00507							
ZC125	00055	00084	00093						
ZC154	00072	00074							
ZC169	00082	00078							
ZC170	00086	00076							
ZC17C	00090	00153	00158						
ZC187	00095	00091							
ZC189	00096	00099							
ZC195	00102	00105							
ZC1D5	00128	00126							
ZC1ED	00137	00142							
ZC1FC	00144	00134	00140						
ZC208	00150	00148							
ZC225	00160	00117							
ZC22A	00163	00066							
ZC23E	00166	00070							
ZC269	00170	00059							
ZC27A	00173	00187							
ZC27F	00176	00181							
ZC282	00178	00087							
ZC29F	00189	00115	00119	00184	00192				
ZC2A7	00195	00088							
ZC2AF	00198	00201							
ZC2B9	00203	00199							
ZC2BD	00206	00367							
ZC2C8	00210	00213							
ZC2D5	00217	00265	00384						
ZC2D6	00219	00358							
ZC2FA	00237	00241							
ZC309	00244	00238							
ZC311	00248	00252							
ZC31E	00254	00243							
ZC322	00255	00245	00249						
ZC32C	00259	00223	00225						
ZC32D	00261	00267	00361	00388					
ZC335	00265	00283	00292						
ZC338	00266	00273	00365						
ZC344	00272	00270							
ZC354	00280	00285							
ZC35F	00286	00281							
ZC366	00289	00294							
ZC371	00295	00276	00290						
ZC373	00296	00274							
ZC374	00298	00268							
ZC37D	00303	00318	00328						
ZC386	00307	00305							
ZC387	00309	00197							
ZC39E	00318	00323	00325						
ZC3AF	00326	00319	00321						

V2

R3.3

Waveform

Files on User Disk

[illegible]

9.10.84

OPT PAG

* NAM NN.CMDV2R3.3 9.10.84

NN.(M)

V2

R 3.3

Waveterm

Newdisk

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0000	WAVBAS	EQU	\$0000
0001	Z0001	EQU	\$0001
0020	Z0020	EQU	\$0020
0021	Z0021	EQU	\$0021
0022	Z0022	EQU	\$0022
0023	Z0023	EQU	\$0023
0024	Z0024	EQU	\$0024
0025	Z0025	EQU	\$0025
0028	Z0028	EQU	\$0028
002A	Z002A	EQU	\$002A
002B	Z002B	EQU	\$002B
002C	Z002C	EQU	\$002C
002E	Z002E	EQU	\$002E
0030	Z0030	EQU	\$0030
0100	Z0100	EQU	\$0100
0101	Z0101	EQU	\$0101
0102	Z0102	EQU	\$0102
0103	Z0103	EQU	\$0103
0115	Z0115	EQU	\$0115
016E	Z016E	EQU	\$016E
0187	Z0187	EQU	\$0187
15C7	Z15C7	EQU	\$15C7
5800	WASS1	EQU	\$5800
5836	INBUF	EQU	\$5836
583A	DOS	EQU	\$583A
C07F	ZC07F	EQU	\$C07F
C080	LBUFR	EQU	\$C080
C683	ZC683	EQU	\$C683
CC0E	ZCC0E	EQU	\$CC0E
CC10	ZCC10	EQU	\$CC10
CC14	LPTR	EQU	\$CC14
CD03	ZCD03	EQU	\$CD03
CD15	ZCD15	EQU	\$CD15
CD18	ZCD18	EQU	\$CD18
CD1E	ZCD1E	EQU	\$CD1E
CD24	ZCD24	EQU	\$CD24
CD2D	ZCD2D	EQU	\$CD2D
CD39	ZCD39	EQU	\$CD39
CD3C	ZCD3C	EQU	\$CD3C
D406	ZD406	EQU	\$D406
DE03	ZDE03	EQU	\$DE03
DE09	ZDE09	EQU	\$DE09
EA36	ECHO	EQU	\$EA36
EA3D	PAGEM	EQU	\$EA3D
EB00	FILE	EQU	\$EB00
EB05	INESC	EQU	\$EB05
EB10	STOR3	EQU	\$EB10
EC85	MCHECK	EQU	\$EC85
FD30	ZFD30	EQU	\$FD30
FD31	ZFD31	EQU	\$FD31
FD32	ZFD32	EQU	\$FD32

59		FD33	ZFD33	EQU	#FD33
60		FD38	ZFD38	EQU	#FD38
61					
62		C106	ZC106	EQU	#C106
63		C10A	ZC10A	EQU	#C10A
64		C115	ZC115	EQU	#C115
65					
66				* *****	
67	C100			ORG	#C100
68				* *****	
69					
70	C100 20	23	ZC100	BRA	ZC125
71					
72	C102 02			FCB	#02
73					
74	C103 10		ZC103	FCB	#10
75					
76	C104 20		ZC104	FCB	#20
77					
78	C105 10		ZC105	FCB	#10
79					
80				* *****	
81	C117			ORG	#C117
82				* *****	
83					
84	C117 BD	CD1E	ZC117	JSR	>ZCD1E
85	C11A BD	CD15	ZC11A	JSR	>ZCD15
86	C11D 84	5F		ANDA	#5F
87	C11F 81	59		CMPA	#59
88	C121 39			RTS	
89					
90	C122 16	00AE	ZC122	LBRA	ZC1D3
91					
92	C125 8E	0001	ZC125	LDX	#Z0001
93	C128 9F	2A		STX	<Z002A
94	C12A 96	2B		LDA	<Z002B
95	C12C 8E	0100		LDX	#Z0100
96	C12F A7	03		STA	#03,X
97	C131 97	23		STA	<Z0023
98	C133 8E	C5CF		LDX	#ZC5CF
99	C136 BD	DF		BSR	ZC117
100	C138 26	E8		BNE	ZC122
101	C13A 8E	C5F1		LDX	#ZC5F1
102	C13D BD	CD1E		JSR	>ZCD1E
103	C140 8E	0102		LDX	#Z0102
104	C143 6F	84		CLR	,X
105	C145 5F			CLRb	
106	C146 BD	CD39		JSR	>ZCD39
107	C149 86	20		LDA	#20
108	C14B BD	CD18		JSR	>ZCD18
109	C14E 86	3F		LDA	#3F
110	C150 BD	CD18		JSR	>ZCD18
111	C153 86	20		LDA	#20
112	C155 BD	CD18		JSR	>ZCD18

113	C158	8D	C0		BSR	ZC11A
114	C15A	26	C6		BNE	ZC122
115	C15C	0F	25		CLR	<Z0025
116	C15E	8E	C641		LDX	#ZC641
117	C161	8D	B4		BSR	ZC117
118	C163	26	07		BNE	ZC16C
119	C165	0C	25		INC	<Z0025
120	C167	86	20		LDA	##20
121	C169	B7	C105		STA	>ZC105
122	C16C	8E	C080	ZC16C	LDX	#LBUFR
123	C16F	86	55		LDA	##55
124	C171	A7	84		STA	,X
125	C173	86	0D		LDA	##0D
126	C175	A7	01		STA	\$01,X
127	C177	BF	CC14		STX	>LPTER
128	C17A	8E	C106		LDX	#ZC106
129	C17D	BD	CD2D		JSR	>ZCD2D
130	C180	8E	0001		LDX	#Z0001
131	C183	BF	C115		STX	>ZC115
132	C186	BD	CD24		JSR	>ZCD24
133	C189	8E	0100		LDX	#Z0100
134	C18C	17	02C6		LBSR	ZC455
135	C18F	25	42		BCS	ZC1D3
136	C191	26	49		BNE	ZC1DC
137	C193	1A	10		ORCC	##10
138	C195	0F	20		CLR	<Z0020
139	C197	0F	24	ZC197	CLR	<Z0024
140	C199	0F	21		CLR	<Z0021
141	C19B	8D	44		BSR	ZC1E1
142	C19D	8E	0187	ZC19D	LDX	#Z0187
143	>C1A0	17	0064	ZC1A0	LBSR	ZC207
144	C1A3	0C	21		INC	<Z0021
145	C1A5	96	21		LDA	<Z0021
146	C1A7	0D	24		TST	<Z0024
147	C1A9	26	05		BNE	ZC1B0
148	C1AB	B1	C103		CMPA	>ZC103
149	C1AE	20	03		BRA	ZC1B3
150						
151	C1B0	B1	C104	ZC1B0	CMPA	>ZC104
152	C1B3	26	EB	ZC1B3	BNE	ZC1A0
153	C1B5	17	024E		LBSR	ZC406
154	C1B8	0D	25		TST	<Z0025
155	C1BA	27	08		BEQ	ZC1C4
156	C1BC	0D	24		TST	<Z0024
157	C1BE	26	04		BNE	ZC1C4
158	C1C0	0C	24		INC	<Z0024
159	C1C2	20	D9		BRA	ZC19D
160						
161	C1C4	0C	20	ZC1C4	INC	<Z0020
162	C1C6	96	20		LDA	<Z0020
163	C1C8	81	4D		CMPA	##4D
164	C1CA	1027	00A9		LBEO	ZC277
165	C1CE	17	025B		LBSR	ZC42C
166	C1D1	20	C4		BRA	ZC197

167					
168	C1D3	8E	C608	ZC1D3	LDX #ZC608
169	C1D6	BD	CD1E	ZC1D6	JSR >ZCD1E
170	C1D9	C6	01		LDB ##01
171	C1DB	39			RTS
172					
173	C1DC	8E	C5DE	ZC1DC	LDX #ZC5DE
174	C1DF	20	F5		BRA ZC1D6
175					
176	C1E1	8E	0100	ZC1E1	LDX #Z0100
177	C1E4	C6	FF		LDB ##FF
178	C1E6	E7	80	ZC1E6	STB ,X+
179	C1E8	8C	15C7		CMPX #Z15C7
180	C1EB	26	F9		BNE ZC1E6
181	C1ED	8E	016E		LDX #Z016E
182	C1F0	4F			CLRA
183	C1F1	C6	06		LDB ##06
184	C1F3	8D	0C		BSR ZC201
185	C1F5	86	FC		LDA ##FC
186	C1F7	A7	80		STA ,X+
187	C1F9	30	88 10		LEAX \$10,X
188	C1FC	6F	80		CLR ,X+
189	C1FE	6F	80		CLR ,X+
190	C200	39			RTS
191					
192	C201	A7	80	ZC201	STA ,X+
193	C203	5A			DECB
194	C204	26	FB		BNE ZC201
195	C206	39			RTS
196					
197	C207	4F		ZC207	CLRA
198	C208	C6	04		LDB ##04
199	C20A	8D	F5		BSR ZC201
200	C20C	86	FE		LDA ##FE
201	C20E	A7	80		STA ,X+
202	C210	96	20		LDA <Z0020
203	C212	A7	80		STA ,X+
204	C214	D6	24		LDB <Z0024
205	C216	E7	80		STB ,X+
206	C218	D6	21		LDB <Z0021
207	C21A	108E	C256		LDY #ZC256
208	C21E	E6	A5		LDB B,Y
209	C220	E7	80		STB ,X+
210	C222	F1	C105		CMPB >ZC105
211	C225	26	09		BNE ZC230
212	C227	4C			INCA
213	C228	5F			CLRB
214	C229	81	4D		CMPA ##4D
215	C22B	26	03		BNE ZC230
216	C22D	4F			CLRA
217	C22E	C6	FF		LDB ##FF
218	C230	5C		ZC230	INCB
219	C231	34	06		PSHS B,A
220	C233	86	01		LDA ##01

221	C235	A7	80		STA	,X+
222	C237	86	F7		LDA	##F7
223	C239	A7	80		STA	,X+
224	C23B	30	0B		LEAX	\$0B,X
225	C23D	4F			CLRA	
226	C23E	C6	06		LDB	##06
227	C240	8D	BF		BSR	ZC201
228	C242	86	FB		LDA	##FB
229	C244	A7	80		STA	,X+
230	C246	35	06		PULS	B,A
231	C248	ED	B1		STD	,X++
232	C24A	4F			CLRA	
233	C24B	C6	FE		LDB	##FE
234	C24D	8D	B2		BSR	ZC201
235	C24F	86	F7		LDA	##F7
236	C251	A7	80		STA	,X+
237	C253	30	0E		LEAX	\$0E,X
238	C255	39			RTS	
239						
240	C256	01 03 05 07		ZC256	FCB	\$01,\$03,\$05,\$07,\$09,\$0B,\$0D,\$0F
	C25A	09 0B 0D 0F				
241	C25E	02 04 06 08			FCB	\$02,\$04,\$06,\$08,\$0A,\$0C,\$0E,\$10
	C262	0A 0C 0E 10				
242	C266	11 13 15 17			FCB	\$11,\$13,\$15,\$17,\$19,\$1B,\$1D,\$1F
	C26A	19 1B 1D 1F				
243	C26E	12 14 16 18			FCB	\$12,\$14,\$16,\$18,\$1A,\$1C,\$1E,\$20
	C272	1A 1C 1E 20				
244	C276	00			FCB	\$00
245						
246	C277	F6	C105	ZC277	LDB	>ZC105
247	C27A	86	4C		LDA	##4C
248	C27C	DD	30		STD	<Z0030
249	C27E	3D			MUL	
250	C27F	DD	2C		STD	<Z002C
251	C281	8E	0101		LDX	##0101
252	C284	9F	2E		STX	<Z002E
253	C286	96	23		LDA	<Z0023
254	C288	B7	0103		STA	>Z0103
255	C28B	4F			CLRA	
256	C28C	97	22		STA	<Z0022
257	C28E	97	20		STA	<Z0020
258	C290	4C			INCA	
259	C291	97	21		STA	<Z0021
260	C293	86	10		LDA	##10
261	C295	B7	C103		STA	>ZC103
262	C298	86	20		LDA	##20
263	C29A	B7	C104		STA	>ZC104
264	C29D	0D	25		TST	<Z0025
265	C29F	26	02		BNE	ZC2A3
266	C2A1	86	10		LDA	##10
267	C2A3	B7	C105	ZC2A3	STA	>ZC105
268	C2A6	8E	0100		LDX	##0100
269	C2A9	BD	DE09		JSR	>ZDE09
270	C2AC	8D	10	ZC2AC	BSR	ZC2BE

271	C2AE 26	23		BNE	ZC2D3
272	C2B0 0F	22		CLR	<Z0022
273	C2B2 DC	20	ZC2B2	LDD	<Z0020
274	C2B4 8D	12		BSR	ZC2C8
275	C2B6 1027	009B		LBEO	ZC355
276	C2BA DD	20		STD	<Z0020
277	C2BC 20	EE		BRA	ZC2AC
278					
279	C2BE 8E	0100	ZC2BE	LDX	#Z0100
280	C2C1 DC	20		LDD	<Z0020
281	C2C3 ED	88 1E		STD	#1E,X
282	C2C6 20	76		BRA	ZC33E
283					
284	C2C8 F1	C105	ZC2C8	CMPB	>ZC105
285	C2CB 26	02		BNE	ZC2CF
286	C2CD 4C			INCA	
287	C2CE 5F			CLRB	
288	C2CF 5C		ZC2CF	INCB	
289	C2D0 81	4D		CMPA	##4D
290	C2D2 39			RTS	
291					
292	C2D3 0C	22	ZC2D3	INC	<Z0022
293	C2D5 27	0A		BEQ	ZC2E1
294	C2D7 96	20		LDA	<Z0020
295	C2D9 26	0C		BNE	ZC2E7
296	C2DB D6	21		LDB	<Z0021
297	C2DD C1	05		CMPB	##05
298	C2DF 22	06		BHI	ZC2E7
299	C2E1 8E	C655	ZC2E1	LDX	#ZC655
300	C2E4 16	FEEF		LBRA	ZC1D6
301					
302	C2E7 8E	0100	ZC2E7	LDX	#Z0100
303	C2EA DC	2E		LDD	<Z002E
304	C2EC 1093	20		CMPD	<Z0020
305	C2EF 26	06		BNE	ZC2F7
306	C2F1 8D	D5		BSR	ZC2C8
307	C2F3 DD	2E		STD	<Z002E
308	C2F5 20	28		BRA	ZC31F
309					
310	C2F7 DC	20	ZC2F7	LDD	<Z0020
311	C2F9 D0	22		SUBB	<Z0022
312	C2FB 27	02		BEQ	ZC2FF
313	C2FD 2A	04		BPL	ZC303
314	C2FF 4A		ZC2FF	DECA	
315	C300 F6	C105		LDB	>ZC105
316	C303 ED	88 1E	ZC303	STD	#1E,X
317	C306 8D	36		BSR	ZC33E
318	C308 26	D7		BNE	ZC2E1
319	C30A EC	88 40		LDD	#40,X
320	C30D 8D	B9		BSR	ZC2C8
321	C30F 26	07		BNE	ZC318
322	C311 EC	88 1E		LDD	#1E,X
323	C314 DD	30		STD	<Z0030
324	C316 4F			CLRA	

325	C317 5F		CLRB	
326	C318 ED 88 40	ZC318	STD	#40,X
327	C318 8D 2B		BSR	ZC348
328	C31D 26 C2		BNE	ZC2E1
329	C31F 9E 2C	ZC31F	LDX	<Z002C
330	C321 30 1F		LEAX	-#01,X
331	C323 9F 2C		STX	<Z002C
332	C325 8E C665		LDX	#ZC665
333	C328 BD CD1E		JSR	>ZCD1E
334	C328 8E 0020		LDX	#Z0020
335	C32E BD CD3C		JSR	>ZCD3C
336	C331 86 20		LDA	#20
337	C333 BD CD18		JSR	>ZCD18
338	C336 30 01		LEAX	#01,X
339	C338 BD CD3C		JSR	>ZCD3C
340	C338 16 FF74		LBRA	ZC2B2
341				
342	C33E 8E 0100	ZC33E	LDX	#Z0100
343	C341 86 09		LDA	#09
344	C343 A7 84		STA	,X
345	C345 7E D406		JMP	>ZD406
346				
347	C348 8E 0100	ZC348	LDX	#Z0100
348	C348 86 0A		LDA	#0A
349	C34D A7 84		STA	,X
350	C34F BD D406		JSR	>ZD406
351	C352 27 EA		BEQ	ZC33E
352	C354 39		RTS	
353				
354	C355 8E 0100	ZC355	LDX	#Z0100
355	C358 6F 88 1E		CLR	#1E,X
356	C358 86 03		LDA	#03
357	C35D A7 88 1F		STA	#1F,X
358	C360 8D DC		BSR	ZC33E
359	C362 26 4F		BNE	ZC3B3
360	C364 8E 0100		LDX	#Z0100
361	C367 6F 88 40		CLR	#40,X
362	C36A 6F 88 41		CLR	#41,X
363	C36D DC 2E		LDD	<Z002E
364	C36F ED 88 5D		STD	#5D,X
365	C372 DC 30		LDD	<Z0030
366	C374 ED 88 5F		STD	#5F,X
367	C377 DC 2C		LDD	<Z002C
368	C379 ED 88 61		STD	#61,X
369	C37C 0D 25		TST	<Z0025
370	C37E 26 05		BNE	ZC385
371	C380 B6 C103		LDA	>ZC103
372	C383 20 03		BRA	ZC388
373				
374	C385 B6 C104	ZC385	LDA	>ZC104
375	C388 A7 88 67	ZC388	STA	#67,X
376	C388 86 4C		LDA	#4C
377	C38D A7 88 66		STA	#66,X
378	C390 FC CC0E		LDD	>ZCC0E

379	C393	ED	88 63		STD	#63,X
380	C396	B6	CC10		LDA	>ZCC10
381	C399	A7	88 65		STA	#65,X
382	C39C	C6	0D		LDB	##0D
383	C39E	108E	C10A		LDY	#ZC10A
384	C3A2	8E	0100		LDX	#Z0100
385	C3A5	A6	A0	ZC3A5	LDA	,Y+
386	C3A7	A7	88 50		STA	#50,X
387	C3AA	30	01		LEAX	#01,X
388	C3AC	5A			DECB	
389	C3AD	26	F6		BNE	ZC3A5
390	C3AF	8D	97		BSR	ZC348
391	C3B1	27	03		BEQ	ZC3B6
392	C3B3	7E	C2E1	ZC3B3	JMP	>ZC2E1
393						
394	C3B6	8E	0100	ZC3B6	LDX	#Z0100
395	C3B9	86	10		LDA	##10
396	C3BB	0D	25		TST	<Z0025
397	C3BD	27	02		BEQ	ZC3C1
398	C3BF	86	20		LDA	##20
399	C3C1	A7	88 1F	ZC3C1	STA	#1F,X
400	C3C4	17	FF77		LBSR	ZC33E
401	C3C7	26	EA		BNE	ZC3B3
402	C3C9	8E	0100		LDX	#Z0100
403	C3CC	6F	88 40		CLR	#40,X
404	C3CF	6F	88 41		CLR	#41,X
405	C3D2	17	FF73		LBSR	ZC348
406	C3D5	26	DC		BNE	ZC3B3
407	C3D7	8E	C483		LDX	#ZC483
408	C3DA	4F			CLRA	
409	C3DB	C6	01		LDB	##01
410	C3DD	BD	DE03		JSR	>ZDE03
411	C3E0	26	D1		BNE	ZC3B3
412	C3E2	8E	0100		LDX	#Z0100
413	C3E5	86	10		LDA	##10
414	C3E7	A7	84		STA	,X
415	C3E9	BD	D406		JSR	>ZD406
416	C3EC	26	C5		BNE	ZC3B3
417	C3EE	86	07		LDA	##07
418	C3F0	A7	84		STA	,X
419	C3F2	BD	D406		JSR	>ZD406
420	C3F5	26	BC		BNE	ZC3B3
421	C3F7	8E	C61B		LDX	#ZC61B
422	C3FA	BD	CD1E		JSR	>ZCD1E
423	C3FD	8E	0115		LDX	#Z0115
424	C400	5F			CLRB	
425	C401	BD	CD39		JSR	>ZCD39
426	C404	5F			CLRB	
427	C405	39			RTS	
428						
429	C406	8D	3D	ZC406	BSR	ZC445
430	C408	8E	0100		LDX	#Z0100
431	C40B	86	F4		LDA	##F4
432	C40D	B7	FD30		STA	>ZFD30

433	C410	8D	2E		BSR	ZC440
434	C412	B6	FD30	ZC412	LDA	>ZFD30
435	C415	85	02		BITA	##02
436	C417	26	06		BNE	ZC41F
437	C419	85	01		BITA	##01
438	C41B	26	F5		BNE	ZC412
439	C41D	20	0C		BRA	ZC42B
440						
441	C41F	A6	80	ZC41F	LDA	,X+
442	C421	B7	FD33		STA	>ZFD33
443	C424	8C	15C7		CMPX	#Z15C7
444	C427	26	E9		BNE	ZC412
445	C429	8D	0D		BSR	ZC438
446	C42B	39		ZC42B	RTS	
447						
448	C42C	B7	FD33	ZC42C	STA	>ZFD33
449	C42F	8D	0F		BSR	ZC440
450	C431	86	1B		LDA	##1B
451	C433	B7	FD30		STA	>ZFD30
452	C436	8D	08		BSR	ZC440
453	C43B	B6	FD30	ZC43B	LDA	>ZFD30
454	C43B	85	01		BITA	##01
455	C43D	26	F9		BNE	ZC438
456	C43F	39			RTS	
457						
458	C440	8D	00	ZC440	BSR	ZC442
459	C442	8D	00		BSR	ZC444
460	C444	39		ZC444	RTS	
461						
462	C445	0D	24	ZC445	TST	<Z0024
463	C447	26	03		BNE	ZC44C
464	C449	5F			CLRB	
465	C44A	20	02		BRA	ZC44E
466						
467	C44C	C6	10	ZC44C	LDB	##10
468	C44E	DA	28	ZC44E	ORB	<Z0028
469	C450	F7	FD3B		STB	>ZFD3B
470	C453	20	EB		BRA	ZC440
471						
472	C455	96	23	ZC455	LDA	<Z0023
473	C457	5F			CLRB	
474	C458	4C			INCA	
475	C459	1A	01		ORCC	##01
476	C45B	59		ZC45B	ROLB	
477	C45C	4A			DECA	
478	C45D	26	FC		BNE	ZC45B
479	C45F	CA	40		ORB	##40
480	C461	D7	28		STB	<Z0028
481	C463	F7	FD38		STB	>ZFD38
482	C466	B6	FD30		LDA	>ZFD30
483	C469	85	80		BITA	##80
484	C46B	26	0E		BNE	ZC47B
485	C46D	86	0B		LDA	##0B
486	C46F	B7	FD30		STA	>ZFD30

487	C472	8D	CC		BSR	ZC440		
488	C474	8D	C2		BSR	ZC438		
489	C476	85	40		BITA	##40		
490	C478	1C	FE		ANDCC	##FE		
491	C47A	39			RTS			
492								
493	C47B	5F		ZC47B	CLRB			
494	C47C	5C			INCB			
495	C47D	F7	FD38		STB	>ZFD38		
496	C480	1A	01		ORCC	##01		
497	C482	39			RTS			
498								
499	C483	20	05	02	ZC483	FCB	#20, #05, #02	
500								
501	C486	00	00	00	00	ZC486	FCB	#00, #00, #00, #00
502								
503	C48A	10CE	C07F		LDS	#ZC07F		
504	C48E	86	41		LDA	##41		
505	C490	8D	1E		BSR	ZC480		
506	C492	EC	8C	F1	LDD	<ZC486, PCR		
507	C495	27	35		BEQ	ZC4CC		
508	C497	8D	5E		BSR	ZC4F7		
509	C499	30	8D	00E6	LEAX	>ZC583, PCR		
510	C49D	EC	84		LDD	, X		
511	C49F	ED	8C	E4	STD	<ZC486, PCR		
512	C4A2	30	04		LEAX	#04, X		
513	C4A4	8D	42		BSR	ZC4E8		
514	C4A6	81	02		CMPA	##02		
515	C4A8	27	23		BEQ	ZC4CD		
516	C4AA	81	16		CMPA	##16		
517	C4AC	27	62		BEQ	ZC510		
518	C4AE	20	F4		BRA	ZC4A4		
519								
520	C4B0	B7	FD38		ZC4B0	STA	>ZFD38	
521	C4B3	86	08		LDA	##08		
522	C4B5	B7	FD30		STA	>ZFD30		
523	C4B8	17	0090		LBSR	ZC54B		
524	C4BB	8E	0000		LDX	##WAVBAS		
525	C4BE	17	008A		ZC4BE	LBSR	ZC54B	
526	C4C1	B6	FD30		LDA	>ZFD30		
527	C4C4	85	01		BITA	##01		
528	C4C6	27	2E		BEQ	ZC4F6		
529	C4C8	30	1F		LEAX	-#01, X		
530	C4CA	26	F2		RNE	ZC4BE		
531	C4CC	3F			ZC4CC	SWI		
532	C4CD	8D	19		ZC4CD	BSR	ZC4E8	
533	C4CF	1F	89		TFR	A, B		
534	C4D1	8D	15		BSR	ZC4E8		
535	C4D3	1E	98		EXG	B, A		
536	C4D5	1F	03		TFR	D, U		
537	C4D7	8D	0F		BSR	ZC4E8		
538	C4D9	1F	89		TFR	A, B		
539	C4DB	8D	08		ZC4DB	BSR	ZC4E8	
540	C4DD	A7	C4		STA	, U		

541	C4DF	A1	C0		CMPA	,U+
542	C4E1	26	E9		BNE	ZC4CC
543	C4E3	5A			DECB	
544	C4E4	26	F5		BNE	ZC4DB
545	C4E6	20	BC		BRA	ZC4A4
546						
547	C4E8	31	8D 0177	ZC4E8	LEAY	>ZC683,PCR
548	C4EC	34	20		PSHS	Y
549	C4EE	AC	E1		CMPL	,S++
550	C4F0	26	02		BNE	ZC4F4
551	C4F2	8D	03		BSR	ZC4F7
552	C4F4	A6	80		LDA	,X+
553	C4F6	39		ZC4F6	RTS	
554						
555	C4F7	34	26	ZC4F7	PSHS	Y,B,A
556	C4F9	EC	8C 8A		LDD	<ZC486,PCR
557	C4FC	27	CE		BEQ	ZC4CC
558	C4FE	8D	1C		BSR	ZC51C
559	C500	8D	4E		BSR	ZC550
560	C502	EC	8D 007D		LDD	>ZC583,PCR
561	C506	ED	8D FF7C		STD	>ZC486,PCR
562	C50A	30	8D 0079		LEAX	>ZC587,PCR
563	C50E	35	A6		PULS	PC,Y,B,A
564						
565	C510	8D	D6	ZC510	BSR	ZC4E8
566	C512	1F	89		TFR	A,B
567	C514	8D	D2		BSR	ZC4E8
568	C516	1E	89		EXG	A,B
569	C518	1F	01		TFR	D,X
570	C51A	6E	84		JMP	,X
571						
572	C51C	B1	FD31	ZC51C	CMPA	>ZFD31
573	C51F	27	12		BEQ	ZC533
574	C521	B7	FD33		STA	>ZFD33
575	C524	8D	25		BSR	ZC54B
576	C526	86	18		LDA	##18
577	C528	B7	FD30		STA	>ZFD30
578	C52B	8D	1E		BSR	ZC54B
579	C52D	34	04		PSHS	B
580	C52F	8D	12		BSR	ZC543
581	C531	35	04		PULS	B
582	C533	86	41	ZC533	LDA	##41
583	C535	C1	10		CMPL	##10
584	C537	23	02		BLS	ZC53B
585	C539	86	51		LDA	##51
586	C53B	B7	FD38	ZC53B	STA	>ZFD38
587	C53E	F7	FD32		STB	>ZFD32
588	C541	20	08		BRA	ZC54B
589						
590	C543	F6	FD30	ZC543	LDB	>ZFD30
591	C546	C5	01		BITB	##01
592	C548	26	F9		BNE	ZC543
593	C54A	39			RTS	
594						

595	C54B 8D 00	ZC54B	BSR	ZC54D
596	C54D 8D 00	ZC54D	BSR	ZC54F
597	C54F 39	ZC54F	RTS	
598				
599	C550 1A 10	ZC550	ORCC	##10
600	C552 86 80		LDA	##80
601	C554 B7 FD30		STA	>ZFD30
602	C557 8D F2		BSR	ZC54B
603	C559 5F		CLRB	
604	C55A 30 8D 0025		LEAX	>ZC583,PCR
605	C55E B6 FD30	ZC55E	LDA	>ZFD30
606	C561 85 02		BITA	##02
607	C563 26 07		BNE	ZC56C
608	C565 85 01		BITA	##01
609	C567 26 F5		BNE	ZC55E
610	C569 16 FF60		LBRA	ZC4CC
611				
612	C56C B6 FD33	ZC56C	LDA	>ZFD33
613	C56F A7 80		STA	,X+
614	C571 5A		DECB	
615	C572 26 EA		BNE	ZC55E
616	C574 8D CD		BSR	ZC543
617	C576 C5 1C		BITB	##1C
618	C578 26 03		BNE	ZC57D
619	C57A 1C EF		ANDCC	##EF
620	C57C 39		RTS	
621				
622	C57D 3F 00 00 00	ZC57D	FCB	\$3F,\$00,\$00,\$00,\$00,\$00
	C581 00 00			
623				
624	C583 43 4F 50 59	ZC583	FCC	"COPY"
625				
626	C587 20 30 2E 43	ZC587	FCC	" 0.COPY.CMD 1"
	C58B 4F 50 59 2E			
	C58F 43 4D 44 20			
	C593 31			
627	C594 04		FCB	\$04
628				
629	C595 BD C125	ZC595	JSR	>ZC125
630	C598 5D		TSTB	
631	C599 1026 0766		LBNE	ZCD03
632	C59D 8E C583		LDX	#ZC583
633	C5A0 AD 9F 5836		JSR	[INBUF]
634	C5A4 AD 9F 583A		JSR	[DOS]
635	C5A8 32 62		LEAS	\$02,S
636	C5AA 39		RTS	
637				
638	C5AB B6 EC85		LDA	>MCHECK
639	C5AE 7D EB00		TST	>FILE
640	C5B1 27 02		BEQ	ZC5B5
641	C5B3 80 04		SUBA	##04
642	C5B5 B7 EA3D	ZC5B5	STA	>PAGEM
643	C5B8 1F 89		TFR	A,B
644	C5BA 5A		DECB	

645	C5BB 58		ASLB	
646	C5BC 8E 5800		LDX	#WASS1
647	C5BF 7D EB00		TST	>FILE
648	C5C2 27 03		BEG	ZC5C7
649	C5C4 8E EB10		LDX	#STOR3
650	C5C7 7F EA36	ZC5C7	CLR	>ECHO
651	C5CA 7F EB05		CLR	>INESC
652	C5CD 6E 95		JMP	[B,X]
653				
654	C5CF 41 52 45 20	ZC5CF	FCC	"ARE YOU SURE? "
	C5D3 59 4F 55 20			
	C5D7 53 55 52 45			
	C5DB 3F 20			
655	C5DD 04		FCB	\$04
656				
657	C5DE 44 49 53 4B	ZC5DE	FCC	"DISK IS PROTECTED!"
	C5E2 20 49 53 20			
	C5E6 50 52 4F 54			
	C5EA 45 43 54 45			
	C5EE 44 21			
658	C5F0 04		FCB	\$04
659				
660	C5F1 53 43 52 41	ZC5F1	FCC	"SCRATCH DISK IN DRIVE "
	C5F5 54 43 48 20			
	C5F9 44 49 53 4B			
	C5FD 20 49 4E 20			
	C601 44 52 49 56			
	C605 45 20			
661	C607 04		FCB	\$04
662				
663	C608 46 4F 52 4D	ZC608	FCC	"FORMATTING ABORTED"
	C60C 41 54 54 49			
	C610 4E 47 20 41			
	C614 42 4F 52 54			
	C618 45 44			
664	C61A 04		FCB	\$04
665				
666	C61B 46 4F 52 4D	ZC61B	FCC	"FORMATTING COMPLETE"
	C61F 41 54 54 49			
	C623 4E 47 20 43			
	C627 4F 4D 50 4C			
	C62B 45 54 45			
667	C62E 0D		FCB	\$0D
668	C62F 0A		FCB	\$0A
669	C630 54 4F 54 41		FCC	"TOTAL SECTORS = "
	C634 4C 20 53 45			
	C638 43 54 4F 52			
	C63C 53 20 3D 20			
670	C640 04		FCB	\$04
671				
672	C641 44 4F 55 42	ZC641	FCC	"DOUBLE SIDED DISK? "
	C645 4C 45 20 53			
	C649 49 44 45 44			
	C64D 20 44 49 53			

	C651 4B 3F 20			
673	C654 04		FCB	#04
674				
675	C655 46 41 54 41	ZC655	FCC	"FATAL ERROR --- "
	C659 4C 20 45 52			
	C65D 52 4F 52 20			
	C661 2D 2D 2D 20			
676				
677	C665 42 41 44 20	ZC665	FCC	"BAD SECTOR AT "
	C669 53 45 43 54			
	C66D 4F 52 20 41			
	C671 54 20			
678	C673 04		FCB	#04
679				
680			END	ZC595

0 ERROR(S) DETECTED

SYMBOL TABLE:

D0S	583A	ECH	EA36	FILE	EB00	INBUF	5836	INESC	EB05
LBUFR	C080	LPTR	DC14	MCHECK	ECB5	PAGEM	EA3D	STOR3	EB10
WASS1	5800	WAYBAS	0000		0001	20020	0020	20021	0021
Z0022	0022	Z0023	0023	Z0024	0024	Z0025	0025	Z002B	002B
Z002A	002A	Z002B	002B	Z002C	002C	Z002E	002E	Z0030	0030
Z0100	0100	Z0101	0101	Z0102	0102	Z0103	0103	Z0115	0115
Z016E	016E	Z0187	0187	Z15C7	15C7	ZC07F	C07F	ZC100	C100
ZC103	C103	ZC104	C104	ZC105	C105	ZC106	C106	ZC10A	C10A
ZC115	C115	ZC117	C117	ZC11A	C11A	ZC122	C122	ZC125	C125
ZC16C	C16C	ZC197	C197	ZC19D	C19D	ZC1A0	C1A0	ZC1B0	C1B0
ZC183	C183	ZC1C4	C1C4	ZC1D3	C1D3	ZC1D6	C1D6	ZC1DC	C1DC
ZC1E1	C1E1	ZC1E6	C1E6	ZC201	C201	ZC207	C207	ZC230	C230
ZC256	C256	ZC277	C277	ZC2A3	C2A3	ZC2AC	C2AC	ZC2B2	C2B2
ZC2BE	C2BE	ZC2C8	C2C8	ZC2CF	C2CF	ZC2D3	C2D3	ZC2E1	C2E1
ZC2E7	C2E7	ZC2F7	C2F7	ZC2FF	C2FF	ZC303	C303	ZC318	C318
ZC31F	C31F	ZC33E	C33E	ZC348	C348	ZC355	C355	ZC385	C385
ZC388	C388	ZC3A5	C3A5	ZC3B3	C3B3	ZC3B6	C3B6	ZC3C1	C3C1
ZC406	C406	ZC412	C412	ZC41F	C41F	ZC42B	C42B	ZC42C	C42C
ZC43B	C43B	ZC440	C440	ZC442	C442	ZC444	C444	ZC445	C445
ZC44C	C44C	ZC44E	C44E	ZC455	C455	ZC45B	C45B	ZC47B	C47B
ZC483	C483	ZC486	C486	ZC4A4	C4A4	ZC4B0	C4B0	ZC4BE	C4BE
ZC4CC	C4CC	ZC4CD	C4CD	ZC4DB	C4DB	ZC4EB	C4EB	ZC4F4	C4F4
ZC4F6	C4F6	ZC4F7	C4F7	ZC510	C510	ZC51C	C51C	ZC533	C533
ZC53B	C53B	ZC543	C543	ZC54B	C54B	ZC54D	C54D	ZC54F	C54F
ZC550	C550	ZC55E	C55E	ZC566	C56C	ZC57D	C57D	ZC583	C583
ZC587	C587	ZC595	C595	ZC5B5	C5B5	ZC5C7	C5C7	ZC5FC	C5FC
ZC5DE	C5DE	ZC5F1	C5F1	ZC608	C608	ZC61B	C61B	ZC641	C641
ZC655	C655	ZC665	C665	ZC6B3	C6B3	ZC0CE	C0CE	ZC0C10	C0C10
ZC0D3	C0D3	ZC0D15	C0D15	ZC0D18	C0D18	ZC0D1E	C0D1E	ZC0D24	C0D24
ZC0D2D	C0D2D	ZC0D39	C0D39	ZC0D3C	C0D3C	ZD406	D406	ZDE03	DE03
ZDE09	DE09	ZFD30	FD30	ZFD31	FD31	ZFD32	FD32	ZFD33	FD33
ZFD38	FD38								

V2
R3.3

WaveT

Newdisk

DOS	00031	00634
ECHO	00050	00650
FILE	00052	00639 00647
INBUF	00030	00633
INESC	00053	00651
LBUFR	00033	00122
LPTR	00038	00127
MCHECK	00055	00638
PAGEM	00051	00642
STDR3	00054	00649
WASS1	00029	00646
WAVBAS	00007	00524
Z0001	00008	00092 00130
Z0020	00009	00138 00161 00162 00202 00257 00273 00276 00280 00294 00304
	00310	00334
Z0021	00010	00140 00144 00145 00206 00259 00296
Z0022	00011	00256 00272 00292 00311
Z0023	00012	00097 00253 00472
Z0024	00013	00139 00146 00156 00158 00204 00462
Z0025	00014	00115 00119 00154 00264 00369 00396
Z0028	00015	00468 00480
Z002A	00016	00093
Z002B	00017	00094
Z002C	00018	00250 00329 00331 00367
Z002E	00019	00252 00303 00307 00363
Z0030	00020	00248 00323 00365
Z0100	00021	00095 00133 00176 00268 00279 00302 00342 00347 00354 00360
	00384	00394 00402 00412 00430
Z0101	00022	00251
Z0102	00023	00103
Z0103	00024	00254
Z0115	00025	00423
Z016E	00026	00181
Z0187	00027	00142
Z15C7	00028	00179 00443
ZC07F	00032	00503
ZC100	00070	
ZC103	00074	00148 00261 00371
ZC104	00076	00151 00263 00374
ZC105	00078	00121 00210 00246 00267 00284 00315
ZC106	00062	00128
ZC10A	00063	00383
ZC115	00064	00131
ZC117	00084	00099 00117
ZC11A	00085	00113
ZC122	00090	00100 00114
ZC125	00092	00070 00629
ZC16C	00122	00118
ZC197	00139	00166
ZC19D	00142	00159
ZC1A0	00143	00152
ZC1B0	00151	00147
ZC1B3	00152	00149
ZC1C4	00161	00155 00157
ZC1D3	00168	00090 00135
ZC1D6	00169	00174 00300
ZC1DC	00173	00136
ZC1E1	00176	00141
ZC1E6	00178	00180
ZC201	00192	00184 00194 00199 00227 00234
ZC207	00197	00143
ZC230	00218	00211 00215

ZC256	00240	00207			
ZC277	00246	00164			
ZC2A3	00267	00265			
ZC2AC	00270	00277			
ZC2B2	00273	00340			
ZC2BE	00279	00270			
ZC2C8	00284	00274	00306	00320	
ZC2CF	00288	00285			
ZC2D3	00292	00271			
ZC2E1	00299	00293	00318	00328	00392
ZC2E7	00302	00295	00298		
ZC2F7	00310	00305			
ZC2FF	00314	00312			
ZC303	00316	00313			
ZC318	00326	00321			
ZC31F	00329	00308			
ZC33E	00342	00282	00317	00351	00358 00400
ZC348	00347	00327	00390	00405	
ZC355	00354	00275			
ZC385	00374	00370			
ZC388	00375	00372			
ZC3A5	00385	00389			
ZC3B3	00392	00359	00401	00406	00411 00416 00420
ZC3B6	00394	00391			
ZC3C1	00399	00397			
ZC406	00429	00153			
ZC412	00434	00438	00444		
ZC41F	00441	00436			
ZC42B	00446	00439			
ZC42C	00448	00165			
ZC438	00453	00445	00455	00488	
ZC440	00458	00433	00449	00452	00470 00487
ZC442	00459	00458			
ZC444	00460	00459			
ZC445	00462	00429			
ZC44C	00467	00463			
ZC44E	00468	00465			
ZC455	00472	00134			
ZC45B	00476	00478			
ZC47B	00493	00484			
ZC4B3	00499	00407			
ZC4B6	00501	00506	00511	00556	00561
ZC4A4	00513	00518	00545		
ZC4B0	00520	00505			
ZC4BE	00525	00530			
ZC4CC	00531	00507	00542	00557	00610
ZC4CD	00532	00515			
ZC4DB	00539	00544			
ZC4E8	00547	00513	00532	00534	00537 00539 00565 00567
ZC4F4	00552	00550			
ZC4F6	00553	00528			
ZC4F7	00555	00508	00551		
ZC510	00565	00517			
ZC51C	00572	00558			
ZC533	00582	00573			
ZC53B	00586	00584			
ZC543	00590	00580	00592	00616	
ZC54B	00595	00523	00525	00575	00578 00588 00602
ZC54D	00596	00595			
ZC54F	00597	00596			
ZC550	00599	00559			
ZC55E	00605	00609	00615		
ZC56C	00612	00607			
ZC57D	00622	00618			
ZC583	00624	00509	00560	00604	00632

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ZC587      00626 00582
ZC595      00629 00680
ZC5B5      00642 00640
ZC5C7      00650 00648
ZC5CF      00654 00098
ZC5DE      00657 00173
ZC5F1      00660 00101
ZC608      00663 00168
ZC61B      00666 00421
ZC641      00672 00116
ZC655      00675 00299
ZC665      00677 00332
ZC683      00035 00547
ZCC0E      00036 00378
ZCC10      00037 00380
ZCD03      00039 00631
ZCD15      00040 00085
ZCD18      00041 00108 00110 00112 00337
ZCD1E      00042 00084 00102 00169 00333 00422
ZCD24      00043 00132
ZCD2D      00044 00129
ZCD39      00045 00106 00425
ZCD3C      00046 00335 00339
ZD406      00047 00345 00350 00415 00419
ZDE03      00048 00410
ZDE09      00049 00269
ZFD30      00056 00432 00434 00451 00453 00482 00486 00522 00526 00577 00590
           00601 00605
ZFD31      00057 00572
ZFD32      00058 00587
ZFD33      00059 00442 00448 00574 00612
ZFD38      00060 00469 00481 00495 00520 00586

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9.10.84

CO. CMD

OPT PAG

* NAM CD.CMDV2R3.3

8.10.84

V 2

R 3.3

Waveterm

Copy all

" Sys

0100	Z0100	EQU	#0100
0104	Z0104	EQU	#0104
0240	Z0240	EQU	#0240
0243	Z0243	EQU	#0243
0244	Z0244	EQU	#0244
0380	Z0380	EQU	#0380
0382	Z0382	EQU	#0382
0383	Z0383	EQU	#0383
0384	Z0384	EQU	#0384
04C0	Z04C0	EQU	#04C0
5818	INDEZO	EQU	#5818
5820	INCHA	EQU	#5820
5830	INVCH	EQU	#5830
5832	OUTCX	EQU	#5832
5836	INBUF	EQU	#5836
5838	INB2	EQU	#5838
583A	DOS	EQU	#583A
6000	Z6000	EQU	#6000
C080	LBUFR	EQU	#C080
C509	ZC509	EQU	#C509
C840	ZC840	EQU	#C840
CC09	ZCC09	EQU	#CC09
CC14	LPTER	EQU	#CC14
CC15	ZCC15	EQU	#CC15
CC28	ZCC28	EQU	#CC28
CC2C	ZCC2C	EQU	#CC2C
CC3D	ZCC3D	EQU	#CC3D
CC41	ZCC41	EQU	#CC41
CD15	ZCD15	EQU	#CD15
CD18	ZCD18	EQU	#CD18
CD1E	ZCD1E	EQU	#CD1E
CD21	ZCD21	EQU	#CD21
CD24	ZCD24	EQU	#CD24
CD27	ZCD27	EQU	#CD27
CD2D	ZCD2D	EQU	#CD2D
CD3F	ZCD3F	EQU	#CD3F
D403	FMSCLS	EQU	#D403
D406	ZD406	EQU	#D406
EA2E	MERK2	EQU	#EA2E
EA36	ECHO	EQU	#EA36
EA48	ZIFF	EQU	#EA48
F027	PDATA1	EQU	#F027
C0FF	ZC0FF	EQU	#C0FF

* *****

C100 ORG #C100

* *****

C100 20 16 ZC100 BRA ZC118

59	C102 01		FCB	\$01
60	C103 00 00 00 00	ZC103	FCB	\$00,\$00,\$00,\$00,\$00,\$00,\$00,\$00
	C107 00 00 00 00			
61	C108 00 00 00	ZC108	FCB	\$00,\$00,\$00
62	C10E 00 00	ZC10E	FCB	\$00,\$00
63	C110 00 00	ZC110	FCB	\$00,\$00
64	C112 00	ZC112	FCB	\$00
65	C113 00	ZC113	FCB	\$00
66	C114 00	ZC114	FCB	\$00
67	C115 00	ZC115	FCB	\$00
68	C116 00	ZC116	FCB	\$00
69	C117 00	ZC117	FCB	\$00
70				
71	C118 8E C509	ZC118	LDX	#ZC509
72	C11B BF C10E		STX	>ZC10E
73	C11E 8E C840		LDX	#ZC840
74	C121 C6 0F		LDB	#0F
75	C123 BD C2C0		JSR	>ZC2C0
76	C126 B6 CC2B		LDA	>ZCC2B
77	C129 F6 CC2C		LDB	>ZCC2C
78	C12C F7 C117		STB	>ZC117
79	C12F 81 60		CMPA	#60
80	C131 23 02		BLS	ZC135
81	C133 80 0C		SUBA	#0C
82	C135 B7 C116	ZC135	STA	>ZC116
83	C138 7F C114		CLR	>ZC114
84	C13B B6 CC09		LDA	>ZCC09
85	C13E B7 C115		STA	>ZC115
86	C141 7F CC09		CLR	>ZCC09
87	C144 BD C421		JSR	>ZC421
88	C147 25 59		BCS	ZC1A2
89	C149 26 09		BNE	ZC154
90	C14B 8E 0240		LDX	#Z0240
91	C14E A7 03		STA	#03,X
92	C150 6F 04		CLR	#04,X
93	C152 20 08		BRA	ZC15C
94				
95	C154 8E 0240	ZC154	LDX	#Z0240
96	C157 BD CD2D		JSR	>ZCD2D
97	C15A 25 31		BCS	ZC18D
98	C15C BD C421	ZC15C	JSR	>ZC421
99	C15F 25 41		BCS	ZC1A2
100	C161 26 09		BNE	ZC16C
101	C163 8E 0380		LDX	#Z0380
102	C166 A7 03		STA	#03,X
103	C168 6F 04		CLR	#04,X
104	C16A 20 08		BRA	ZC174
105				
106	C16C 8E 0380	ZC16C	LDX	#Z0380
107	C16F BD CD2D		JSR	>ZCD2D
108	C172 25 19		BCS	ZC18D
109	C174 8E 0240	ZC174	LDX	#Z0240
110	C177 6D 04		TST	#04,X
111	C179 27 42		BEG	ZC18D

112	C17B	8E	0380		LDX	#Z0380
113	C17E	6D	04		TST	#04,X
114	C180	26	03		BNE	ZC185
115	C182	7E	C2D8		JMP	>ZC2D8
116						
117	C185	BD	CD24	ZC185	JSR	>ZCD24
118	C188	BD	C2EF		JSR	>ZC2EF
119	C18B	20	0B		BRA	ZC198
120						
121	C18D	BD	CD3F	ZC18D	JSR	>ZCD3F
122	C190	20	03		BRA	ZC195
123						
124	C192	BD	CD1E	ZC192	JSR	>ZCD1E
125	C195	BD	D403	ZC195	JSR	>FMSCLS
126	C198	B6	C115	ZC198	LDA	>ZC115
127	C19B	B7	CC09		STA	>ZCC09
128	C19E	BD	CD24		JSR	>ZCD24
129	C1A1	39			RTS	
130						
131	C1A2	8E	C840	ZC1A2	LDX	#ZC840
132	C1A5	C6	1A		LDB	##1A
133	C1A7	E7	01		STB	#01,X
134	C1A9	20	E2		BRA	ZC18D
135						
136	C1AB	7D	C113	ZC1AB	TST	>ZC113
137	C1AE	27	08		BEQ	ZC188
138	C1B0	8E	C678		LDX	#ZC678
139	C1B3	BD	CD24		JSR	>ZCD24
140	C1B6	20	DA		BRA	ZC192
141						
142	C1B8	7C	C114	ZC1B8	INC	>ZC114
143	C1BB	20	5A		BRA	ZC217
144						
145	C1BD	8E	0380	ZC1BD	LDX	#Z0380
146	C1C0	6D	04		TST	#04,X
147	C1C2	26	DE		BNE	ZC1A2
148	C1C4	A6	03		LDA	#03,X
149	C1C6	B1	0243		CMPA	>Z0243
150	C1C9	27	D7		BEQ	ZC1A2
151	C1CB	BE	CC14	ZC1CB	LDX	>LPTR
152	C1CE	A6	84		LDA	,X
153	C1D0	BD	CD21		JSR	>ZCD21
154	C1D3	24	06		BCC	ZC1DB
155	C1D5	81	2E		CMPA	##2E
156	C1D7	27	06		BEQ	ZC1DF
157	C1D9	20	D0		BRA	ZC1AB
158						
159	C1DB	81	39	ZC1DB	CMPA	##39
160	C1DD	23	C3		BLS	ZC1A2
161	C1DF	7F	C114	ZC1DF	CLR	>ZC114
162	C1E2	8E	C103		LDX	#ZC103
163	C1E5	C6	0B		LDB	##0B
164	C1E7	6F	84	ZC1E7	CLR	,X
165	C1E9	30	01		LEAX	#01,X

166	C1EB 5A		DECB	
167	C1EC 26	F9	BNE	ZC1E7
168	C1EE BE	CC14	LDX	>LPTER
169	C1F1 A6	84	LDA	,X
170	C1F3 81	2E	CMPA	##2E
171	C1F5 27	0A	BEQ	ZC201
172	C1F7 8E	COFF	LDX	#ZCOFF
173	C1FA BD	CD2D	JSR	>ZCD2D
174	C1FD 25	A3	BCS	ZC1A2
175	C1FF 20	16	BRA	ZC217
176				
177	C201 7C	CC15	ZC201	INC >ZCC15
178	C204 C6	03	LDB	##03
179	C206 8E	C10B	LDX	#ZC10B
180	C209 BD	CD27	ZC209	JSR >ZCD27
181	C20C 25	09	BCS	ZC217
182	C20E A7	84	STA	,X
183	C210 30	01	LEAX	#01,X
184	C212 5A		DECB	
185	C213 2A	F4	BPL	ZC209
186	C215 20	8B	BRA	ZC1A2
187				
188	C217 8E	0100	ZC217	LDX #Z0100
189	C21A 6F	02	CLR	#02,X
190	C21C B6	0243	LDA	>Z0243
191	C21F A7	03	STA	#03,X
192	C221 86	06	LDA	##06
193	C223 A7	84	STA	,X
194	C225 B7	C113	STA	>ZC113
195	C228 BD	D406	JSR	>ZD406
196	C22B 26	74	BNE	ZC2A1
197	C22D BD	CD24	JSR	>ZCD24
198	C230 8E	0100	ZC230	LDX #Z0100
199	C233 86	07	LDA	##07
200	C235 A7	84	STA	,X
201	C237 BD	D406	JSR	>ZD406
202	C23A 26	5C	BNE	ZC298
203	C23C 6D	04	TST	#04,X
204	C23E 27	5E	BEQ	ZC29E
205	C240 2B	EE	BMI	ZC230
206	C242 6D	8B 10	TST	#10,X
207	C245 2B	E9	BMI	ZC230
208	C247 C6	0B	LDB	##0B
209	C249 8E	0104	LDX	#Z0104
210	C24C BF	C10E	STX	>ZC10E
211	C24F 8E	0244	LDX	#Z0244
212	>C252 BD	C2C0	JSR	>ZC2C0
213	C255 7D	C114	TST	>ZC114
214	C258 26	2C	BNE	ZC286
215	C25A 8E	0244	LDX	#Z0244
216	C25D BF	CC41	STX	>ZCC41
217	C260 8E	C103	LDX	#ZC103
218	C263 BF	CC3D	STX	>ZCC3D
219	C266 BE	CC3D	ZC266	LDX >ZCC3D

220	C269	8C	C10E		CMPX	#ZC10E
221	C26C	27	18		BEQ	ZC286
222	C26E	A6	84		LDA	,X
223	C270	30	01		LEAX	#01,X
224	C272	BF	CC3D		STX	>ZCC3D
225	C275	BE	CC41		LDX	>ZCC41
226	C278	4D			TSTA	
227	C279	27	04		BEQ	ZC27F
228	C27B	A1	84		CMPA	,X
229	C27D	26	B1		BNE	ZC230
230	C27F	30	01	ZC27F	LEAX	#01,X
231	C281	BF	CC41		STX	>ZCC41
232	C284	20	E0		BRA	ZC266
233						
234	C286	8E	0240	ZC286	LDX	#Z0240
235	C289	8D	19		BSR	ZC2A4
236	>C28B	BD	C2B5		JSR	>ZC2B5
237	>C28E	BD	C2EF		JSR	>ZC2EF
238	C291	25	00		BCS	ZC293
239	C293	BD	D403	ZC293	JSR	>FMSCLS
240	C296	20	98		BRA	ZC230
241						
242	C298	A6	01	ZC298	LDA	#01,X
243	C29A	81	08		CMPA	##08
244	C29C	26	03		BNE	ZC2A1
245	C29E	7E	C1CB	ZC29E	JMP	>ZC1CB
246						
247	C2A1	7E	C18D	ZC2A1	JMP	>ZC18D
248						
249	C2A4	30	02	ZC2A4	LEAX	#02,X
250	C2A6	6F	84		CLR	,X
251	C2A8	5F			CLRB	
252	C2A9	86	2E		LDA	##2E
253	C2AB	BD	CD18		JSR	>ZCD18
254	C2AE	8E	0382		LDX	#Z0382
255	C2B1	6F	84		CLR	,X
256	C2B3	5F			CLRB	
257	C2B4	39			RTS	
258						
259	C2B5	C6	0B	ZC2B5	LDB	##0B
260	C2B7	8E	0244		LDX	#Z0244
261	C2BA	BF	C10E		STX	>ZC10E
262	C2BD	8E	0384		LDX	#Z0384
263	C2C0	BF	C110	ZC2C0	STX	>ZC110
264	C2C3	BE	C10E		LDX	>ZC10E
265	C2C6	A6	84		LDA	,X
266	C2C8	30	01		LEAX	#01,X
267	C2CA	BF	C10E		STX	>ZC10E
268	C2CD	BE	C110		LDX	>ZC110
269	C2D0	A7	84		STA	,X
270	C2D2	30	01		LEAX	#01,X
271	C2D4	5A			DECB	
272	C2D5	26	E9		BNE	ZC2C0
273	C2D7	39			RTS	

274					
275	C2DB BD	CD24	ZC2DB	JSR	>ZCD24
276	C2DB BE	0240		LDX	#Z0240
277	C2DE A6	03		LDA	#03,X
278	C2E0 B1	0383		CMPA	>Z0383
279	C2E3 26	03		BNE	ZC2EB
280	C2E5 7E	C1A2		JMP	>ZC1A2
281					
282	C2EB BD	CB	ZC2EB	BSR	ZC2B5
283	C2EA BD	03		BSR	ZC2EF
284	C2EC 7E	C19B		JMP	>ZC19B
285					
286	C2EF BE	0380	ZC2EF	LDX	#Z0380
287	C2F2 6D	0C		TST	#0C,X
288	C2F4 26	16		BNE	ZC30C
289	C2F6 BE	0240		LDX	#Z0240
290	C2F9 A6	0C		LDA	#0C,X
291	C2FB 34	02		PSHS	A
292	C2FD A6	0D		LDA	#0D,X
293	C2FF E6	0E		LDB	#0E,X
294	C301 BE	0380		LDX	#Z0380
295	C304 E7	0E		STB	#0E,X
296	C306 A7	0D		STA	#0D,X
297	C308 35	02		PULS	A
298	C30A A7	0C		STA	#0C,X
299	C30C BE	0240	ZC30C	LDX	#Z0240
300	C30F 86	01		LDA	##01
301	C311 A7	84		STA	,X
302	C313 BD	D406		JSR	>ZD406
303	C316 26	19		BNE	ZC331
304	C318 86	FF		LDA	##FF
305	C31A A7	8B 3B		STA	#3B,X
306	C31D 6D	8B 10		TST	#10,X
307	C320 2A	03		BPL	ZC325
308	C322 7E	C3D6		JMP	>ZC3D6
309					
310	C325 BE	0380	ZC325	LDX	#Z0380
311	C328 86	02		LDA	##02
312	C32A A7	84		STA	,X
313	C32C BD	D406		JSR	>ZD406
314	C32F 27	03		BEQ	ZC334
315	C331 7E	C3E2	ZC331	JMP	>ZC3E2
316					
317	C334 86	FF	ZC334	LDA	##FF
318	C336 A7	8B 3B		STA	#3B,X
319	C339 7F	C112		CLR	>ZC112
320	C33C BE	0240		LDX	#Z0240
321	C33F 6D	8B 17		TST	#17,X
322	C342 27	06		BEQ	ZC34A
323	C344 BE	0380		LDX	#Z0380
324	C347 6C	8B 17		INC	#17,X
325	C34A BE	04C0	ZC34A	LDX	#Z04C0
326	C34D BF	C10E		STX	>ZC10E
327	C350 BE	C116		LDX	>ZC116

328	C353	BF	C110		STX	>ZC110
329	C356	BE	0240	ZC356	LDX	#Z0240
330	C359	BD	D406		JSR	>ZD406
331	C35C	27	13		BEQ	ZC371
332	C35E	A6	01		LDA	#01,X
333	C360	B1	08		CMPA	##08
334	C362	26	0A		BNE	ZC36E
335	C364	BE	C10E		LDX	>ZC10E
336	C367	30	1F		LEAX	-#01,X
337	C369	BF	C10E		STX	>ZC10E
338	C36C	20	48		BRA	ZC3B6
339						
340	>C36E	7E	C3EC	ZC36E	JMP	>ZC3EC
341						
342	C371	BE	C10E	ZC371	LDX	>ZC10E
343	C374	A7	84		STA	,X
344	C376	BC	C110		CMPX	>ZC110
345	C379	27	4A		BEQ	ZC3C5
346	C37B	30	01		LEAX	#01,X
347	C37D	BF	C10E		STX	>ZC10E
348	C380	20	D4		BRA	ZC356
349						
350	C382	B6	0243	ZC382	LDA	>Z0243
351	C385	B1	03B3		CMPA	>Z03B3
352	C388	27	09		BEQ	ZC393
353	C38A	BE	6000		LDX	#Z6000
354	C38D	BD	6E	ZC38D	BSR	ZC3FD
355	C38F	30	1F		LEAX	-#01,X
356	C391	26	FA		BNE	ZC38D
357	C393	BE	C10E	ZC393	LDX	>ZC10E
358	C396	A6	84	ZC396	LDA	,X
359	C398	BF	C10E		STX	>ZC10E
360	C39B	BE	03B0		LDX	#Z03B0
361	C39E	BD	D406		JSR	>ZD406
362	C3A1	26	49		BNE	ZC3EC
363	C3A3	BE	C10E		LDX	>ZC10E
364	C3A6	BC	C110		CMPX	>ZC110
365	C3A9	27	04		BEQ	ZC3AF
366	C3AB	30	01		LEAX	#01,X
367	C3AD	20	E7		BRA	ZC396
368						
369	C3AF	7D	C112	ZC3AF	TST	>ZC112
370	C3B2	27	96		BEQ	ZC34A
371	C3B4	20	1D		BRA	ZC3D3
372						
373	C3B6	BE	0240	ZC3B6	LDX	#Z0240
374	C3B9	B6	04		LDA	##04
375	C3BB	A7	84		STA	,X
376	C3BD	B7	C112		STA	>ZC112
377	C3C0	BD	D406		JSR	>ZD406
378	C3C3	26	27		BNE	ZC3EC
379	C3C5	BE	C10E	ZC3C5	LDX	>ZC10E
380	C3C8	BF	C110		STX	>ZC110
381	C3CB	BE	04C0		LDX	#Z04C0

382	C3CE	BF	C10E		STX	>ZC10E
383	C3D1	20	AF		BRA	ZC382
384						
385	C3D3	8E	0380	ZC3D3	LDX	#Z0380
386	C3D6	86	04	ZC3D6	LDA	##04
387	C3D8	A7	84		STA	,X
388	C3DA	BD	D406		JSR	>ZD406
389	C3DD	26	0D		BNE	ZC3EC
390	C3DF	1C	FE		ANDCC	##FE
391	C3E1	39			RTS	
392						
393	C3E2	A6	01	ZC3E2	LDA	#01,X
394	C3E4	81	04		CMPA	##04
395	C3E6	27	07		BEQ	ZC3EF
396	C3E8	81	03		CMPA	##03
397	C3EA	27	12		BEQ	ZC3FE
398	C3EC	7E	C2A1	ZC3EC	JMP	>ZC2A1
399						
400	C3EF	8E	C686	ZC3EF	LDX	#ZC686
401	C3F2	BD	CD1E		JSR	>ZCD1E
402	C3F5	7E	C195		JMP	>ZC195
403						
404	C3F8	BD	CD24	ZC3F8	JSR	>ZCD24
405	C3FB	1A	01		ORCC	##01
406	C3FD	39		ZC3FD	RTS	
407						
408	C3FE	8E	C694	ZC3FE	LDX	#ZC694
409	C401	BD	F027		JSR	>PDATA1
410	C404	BD	CD15		JSR	>ZCD15
411	C407	84	5F		ANDA	##5F
412	C409	81	59		CMPA	##59
413	C40B	26	EB		BNE	ZC3FB
414	C40D	8E	0380		LDX	#Z0380
415	C410	86	0C		LDA	##0C
416	C412	A7	84		STA	,X
417	C414	BD	D406		JSR	>ZD406
418	C417	26	D3		BNE	ZC3EC
419	C419	A6	88 24		LDA	\$24,X
420	C41C	A7	04		STA	\$04,X
421	C41E	7E	C325		JMP	>ZC325
422						
423	C421	C6	01	ZC421	LDB	##01
424	C423	BE	CC14		LDX	>LPTER
425	C426	A6	84		LDA	,X
426	C428	BD	CD21		JSR	>ZCD21
427	C42B	25	18		BCS	ZC445
428	C42D	81	39		CMPA	##39
429	C42F	22	13		BHI	ZC444
430	C431	E6	01		LDB	\$01,X
431	C433	C1	2E		CMPS	##2E
432	C435	27	0D		BEQ	ZC444
433	C437	84	03		ANDA	##03
434	C439	34	02		PSHS	A
435	C43B	BD	CD27		JSR	>ZCD27

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436 C43E BD CD27 JSR >ZCD27
437 C441 35 02 PULS A
438 C443 5F CLR B
439 C444 5D ZC444 TST B
440 C445 39 ZC445 RTS
441
442 * *****
443 C50D ORG $C50D
444 * *****
445
446 C50D FF FCB $FF
447 C50E 00 FCB $00
448 C50F 00 FCB $00
449 C510 00 FCB $00
450 C511 53 54 41 52 FCC "STARTUP"
    C515 54 55 50
451 C518 00 FCB $00
452 C519 54 58 54 FCC "TXT"
453
454 C51C 30 20 31 ZC51C FCC "0 1"
455 C51F 0D FCB $0D
456 C520 04 FCB $04
457
458 C521 4C 49 4E 4B ZC521 FCC "LINK 1.WAVE.SYS"
    C525 20 31 2E 57
    C529 41 56 45 2E
    C52D 53 59 53
459 C530 04 FCB $04
460
461 C531 BD CD24 ZC531 JSR >ZCD24
462 C534 8E C60B LDX #ZC60B
463 C537 BD F027 JSR >PDATA1
464 C53A BD C5FA JSR >ZC5FA
465 C53D 24 F2 BCC ZC531
466 C53F BD CD24 JSR >ZCD24
467 C542 8E C65B LDX #ZC65B
468 C545 BD F027 JSR >PDATA1
469 C548 BD C5FA JSR >ZC5FA
470 C54B 25 20 BCS ZC56D
471 C54D BD CD24 JSR >ZCD24
472 C550 8E C51C LDX #ZC51C
473 C553 AD 9F 5836 JSR [INBUF]
474 C557 8E C080 LDX #LBUFR
475 C55A BF CC14 STX >LPTER
476 C55D BD C118 JSR >ZC118
477 C560 8E C521 LDX #ZC521
478 C563 AD 9F 5836 JSR [INBUF]
479 C567 AD 9F 583A JSR [DOS]
480 C56B 20 4C BRA ZC5B9
481
482 C56D BD CD24 ZC56D JSR >ZCD24
483 C570 8E C66A LDX #ZC66A,
484 C573 BD F027 JSR >PDATA1
485 C576 8E C5C5 LDX #ZC5C5

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486 C579 86 0D          ZC579 LDA    ##0D
487 C57B AD 9F 5832     JSR    [OUTCX]
488 C57F A6 80          LDA    ,X+
489 C581 81 FF          CMPA   ##FF
490 C583 27 E8          BEQ    ZC56D
491 C585 AD 9F 5832     JSR    [OUTCX]
492 >C589 BD C5FA       JSR    >ZC5FA
493 C58C 24 EB          BCC    ZC579
494 C58E BD C6E1       JSR    >ZC6E1
495 C591 A6 1F          LDA    -#01,X
496 C593 B7 EA2E       STA    >MERK2
497 C596 AD 9F 5830     JSR    [INVCH]
498 C59A 8E C6B5       LDX    #ZC6B5
499 C59D AD 9F 5836     JSR    [INBUF]
500 C5A1 B6 EA2E       LDA    >MERK2
501 C5A4 A7 A0          STA    ,Y+
502 C5A6 BD C6C0       JSR    >ZC6C0
503 C5A9 8E C6B8       LDX    #ZC6B8
504 C5AC AD 9F 5838     JSR    [INB2]
505 C5B0 8E C0B0       LDX    #LBUFR
506 C5B3 BF CC14       STX    >LPTER
507 C5B6 BD C118       JSR    >ZC118
508 C5B9 BD CD24       ZC5B9 JSR    >ZCD24
509 C5BC 8E C5D6       LDX    #ZC5D6
510 C5BF BD F027       JSR    >PDAT1
511 C5C2 32 62          LEAS   #02,S
512 C5C4 39             RTS
513
514 C5C5 57 54 58 59   ZC5C5 FCC    "WTXYZCMERSLPDKUF"
    C5C9 5A 43 4D 45
    C5CD 52 53 4C 50
    C5D1 44 4B 55 46
515 C5D5 FF           FCB    ##FF
516
517 C5D6 50 4C 45 41   ZC5D6 FCC    "PLEASE RESTORE "
    C5DA 53 45 20 52
    C5DE 45 53 54 4F
    C5E2 52 45 20
518 C5E5 22           FCB    #22
519 C5E6 50 50 47 2D   FCC    "PPG-SYS"
    C5EA 53 59 53
520 C5ED 22           FCB    #22
521 C5EE 20 44 49 53   FCC    " DISK NOW !"
    C5F2 4B 20 4E 4F
    C5F6 57 20 21
522 C5F9 04           FCB    #04
523
524 C5FA 7F EA36       ZC5FA CLR    >ECHO
525 C5FD AD 9F 5820     JSR    [INCHAJ]
526 C601 81 04          CMPA   ##04
527 C603 25 03          BCS    ZC60B
528 C605 1C FE          ANDCC  ##FE
529 C607 39             RTS
530

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531	C608 1A 01	ZC608	DRCC	##01			
532	C60A 39		RTS				
533							
534	C60B 49 6E 73 65	ZC60B	FCC	"Insert ORIGINAL in SYSTEM - driv"			
	C60F 72 74 20 4F						
	C613 52 49 47 49						
	C617 4E 41 4C 20						
	C61B 69 6E 20 53						
	C61F 59 53 54 45						
	C623 4D 20 2D 20						
	C627 64 72 69 76						
535	C62B 65 2C		FCC	"e,"			
536	C62D 0D		FCB	\$0D			
537	C62E 0A		FCB	\$0A			
538	C62F 61 6E 64 20		FCC	"and COPY in USER - driv"			
	C633 20 20 20 43						
	C637 4F 50 59 20						
	C63B 20 20 20 20						
	C63F 69 6E 20 55						
	C643 53 45 52 20						
	C647 20 20 2D 20						
	C64B 64 72 69 76						
539	C64F 65		FCC	"e"			
540	C650 0D		FCB	\$0D			
541	C651 0A		FCB	\$0A			
542	C652 52 45 41 44		FCC	"READY ?:"			
	C656 59 20 3F 3A						
543	C65A 04		FCB	\$04			
544							
545	C65B 53 69 6E 67	ZC65B	FCC	"Single FILE ? "			
	C65F 6C 65 20 46						
	C663 49 4C 45 20						
	C667 3F 20						
546	C669 04		FCB	\$04			
547							
548	C66A 46 69 6C 65	ZC66A	FCC	"File name :"			
	C66E 20 6E 61 6D						
	C672 65 20 3A						
549	C675 0A		FCB	\$0A			
550	C676 0D		FCB	\$0D			
551	C677 04		FCB	\$04			
552							
553	C678 43 4F 50 59	ZC678	FCC	"COPY COMPLETE"			
	C67C 20 43 4F 4D						
	C680 50 4C 45 54						
	C684 45						
554	C685 04		FCB	\$04			
555							
556	C686 4E 4F 20 53	ZC686	FCC	"NO SUCH FILE "			
	C68A 55 43 48 20						
	C68E 46 49 4C 45						
	C692 20						
557	C693 04		FCB	\$04			
558							


```

559 C694 46 49 4C 45 ZC694 FCC "FILE EXISTS - DELETE ORIGINAL ? "
    C698 20 45 58 49
    C69C 53 54 53 20
    C6A0 2D 20 44 45
    C6A4 4C 45 54 45
    C6A8 20 4F 52 49
    C6AC 47 49 4E 41
    C6B0 4C 20 3F 20
560 C6B4 04 FCB $04
561
562 C6B5 30 2E ZC6B5 FCC "0."
563 C6B7 04 FCB $04
564
565 C6B8 2E 55 53 52 ZC6B8 FCC ".USR 1"
    C6BC 20 31
566 C6BE 0D FCB $0D
567 C6BF 04 FCB $04
568
569 C6C0 86 03 ZC6C0 LDA ##03
570 C6C2 34 02 PSHS A
571 C6C4 5F ZC6C4 CLRB
572 C6C5 7C EA36 INC >ECHO
573 C6C8 AD 9F 5818 JSR [INDEZ0]
574 C6CC 81 FF CMPA ##FF
575 C6CE 27 17 BEQ ZC6E7
576 C6D0 8B 30 ADDA ##30
577 C6D2 A7 A0 STA ,Y+
578 C6D4 6A E4 DEC ,S
579 C6D6 26 EC BNE ZC6C4
580 C6D8 32 61 LEAS $01,S
581 C6DA AD 9F 5830 JSR [INVCH]
582 C6DE 7F EA36 CLR >ECHO
583 C6E1 86 20 ZC6E1 LDA ##20
584 C6E3 6E 9F 5832 JMP [OUTCX]
585
586 C6E7 7F EA48 ZC6E7 CLR >ZIFF
587 C6EA AD 9F 5830 JSR [INVCH]
588 C6EE 7F EA36 CLR >ECHO
589 C6F1 32 63 LEAS $03,S
590 C6F3 39 RTS
591
592 END ZC531

```

0 ERROR(S) DETECTED

SYMBOL TABLE:

DOS	583A	ECHO	EA36	FMSCLS	D403	INB2	5838	INBUF	5836
INCHA	5820	INDEZ0	5818	INVCH	5830	LBUFR	C080	LPTR	CC14
MERK2	EA2E	OUTCX	5832	PDAT41	F027	Z0100	0100	Z0104	0104
Z0240	0240	Z0243	0243	Z0244	0244	Z0380	0380	Z0382	0382
Z0383	0383	Z0384	0384	Z04C0	04C0	Z6000	6000	ZC0FF	C0FF
ZC100	C100	ZC103	C103	ZC108	C108	ZC10E	C10E	ZC110	C110
ZC112	C112	ZC113	C113	ZC114	C114	ZC115	C115	ZC116	C116
ZC117	C117	ZC118	C118	ZC135	C135	ZC154	C154	ZC15C	C15C
ZC16C	C16C	ZC174	C174	ZC185	C185	ZC18D	C18D	ZC192	C192
ZC195	C195	ZC198	C198	ZC1A2	C1A2	ZC1AB	C1AB	ZC188	C188
ZC1BD	C1BD	ZC1CB	C1CB	ZC1DB	C1DB	ZC1DF	C1DF	ZC1E7	C1E7
ZC201	C201	ZC209	C209	ZC217	C217	ZC230	C230	ZC266	C266
ZC27F	C27F	ZC286	C286	ZC293	C293	ZC298	C298	ZC29E	C29E
ZC2A1	C2A1	ZC2A4	C2A4	ZC2B5	C2B5	ZC2C0	C2C0	ZC2D8	C2D8
ZC2E8	C2E8	ZC2EF	C2EF	ZC30C	C30C	ZC325	C325	ZC331	C331
ZC334	C334	ZC34A	C34A	ZC356	C356	ZC36E	C36E	ZC371	C371
ZC382	C382	ZC38D	C38D	ZC393	C393	ZC396	C396	ZC3AF	C3AF
ZC3B6	C3B6	ZC3C5	C3C5	ZC3D3	C3D3	ZC3D6	C3D6	ZC3E2	C3E2
ZC3EC	C3EC	ZC3EF	C3EF	ZC3F8	C3F8	ZC3FD	C3FD	ZC3FE	C3FE
ZC421	C421	ZC444	C444	ZC445	C445	ZC509	C509	ZC51C	C51C
ZC521	C521	ZC531	C531	ZC56D	C56D	ZC579	C579	ZC5B9	C5B9
ZC5C5	C5C5	ZC5D6	C5D6	ZC5FA	C5FA	ZC608	C608	ZC60B	C60B
ZC65B	C65B	ZC66A	C66A	ZC678	C678	ZC686	C686	ZC694	C694
ZC6B5	C6B5	ZC6B8	C6B8	ZC6C0	C6C0	ZC6C4	C6C4	ZC6E1	C6E1
ZC6E7	C6E7	ZC840	C840	ZCC09	CC09	ZCC15	CC15	ZCC2B	CC2B
ZCC2C	CC2C	ZCC3D	CC3D	ZCC41	CC41	ZCD15	CD15	ZCD18	CD18
ZCD1E	CD1E	ZCD21	CD21	ZCD24	CD24	ZCD27	CD27	ZCD2D	CD2D
ZCD3F	CD3F	ZD406	D406	ZIFF	EA48				

CO. CMD

V2

R 3.3

Waveterm

copy all

Copy Original on Disk

ZC110	00063	00263	00268	00328	00344	00364	00380
ZC112	00064	00319	00369	00376			
ZC113	00065	00136	00194				
ZC114	00066	00083	00142	00161	00213		
ZC115	00067	00085	00126				
ZC116	00068	00082	00327				
ZC117	00069	00078					
ZC118	00071	00057	00476	00507			

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ZC135      00082 00080
ZC154      00095 00089
ZC15C      00098 00093
ZC16C      00106 00100
ZC174      00109 00104
ZC185      00117 00114
ZC18D      00121 00097 00108 00134 00247
ZC192      00124 00140
ZC195      00125 00122 00402
ZC198      00126 00119 00284
ZC1A2      00131 00088 00099 00147 00150 00160 00174 00186 00280
ZC1AB      00136 00157
ZC1B8      00142 00137
ZC1BD      00145 00111
ZC1CB      00151 00245
ZC1DB      00159 00154
ZC1DF      00161 00156
ZC1E7      00164 00167
ZC201      00177 00171
ZC209      00180 00185
ZC217      00188 00143 00175 00181
ZC230      00198 00205 00207 00229 00240
ZC266      00219 00232
ZC27F      00230 00227
ZC286      00234 00214 00221

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ZC293	00239	00238	
ZC298	00242	00202	
ZC29E	00245	00204	
ZC2A1	00247	00196	00244 00398
ZC2A4	00249	00235	
ZC2B5	00259	00236	00282
ZC2C0	00263	00075	00212 00272
ZC2D8	00275	00115	
ZC2E8	00282	00279	
ZC2EF	00286	00118	00237 00283
ZC30C	00299	00288	
ZC325	00310	00307	00421
ZC331	00315	00303	
ZC334	00317	00314	
ZC34A	00325	00322	00370
ZC356	00329	00348	
ZC36E	00340	00334	
ZC371	00342	00331	
ZC382	00350	00383	
ZC38D	00354	00356	
ZC393	00357	00352	
ZC396	00358	00367	
ZC3AF	00369	00365	
ZC3B6	00373	00338	
ZC3C5	00379	00345	
ZC3D3	00385	00371	
ZC3D6	00386	00308	
ZC3E2	00393	00315	
ZC3EC	00398	00340	00362 00378 00389 00418
ZC3EF	00400	00395	
ZC3F8	00404	00413	
ZC3FD	00406	00354	
ZC3FE	00408	00397	
ZC421	00423	00087	00098
ZC444	00439	00429	00432
ZC445	00440	00427	
ZC509	00027	00071	
ZC51C	00454	00472	
ZC521	00458	00477	
ZC531	00461	00465	00592
ZC56D	00482	00470	00490
ZC579	00486	00493	
ZC5B9	00508	00480	
ZC5C5	00514	00485	
ZC5D6	00517	00509	
ZC5FA	00524	00464	00469 00492
ZC608	00531	00527	
ZC60B	00534	00462	
ZC65B	00545	00467	
ZC66A	00548	00483	
ZC678	00553	00138	
ZC686	00556	00400	
ZC694	00559	00408	
ZC6B5	00562	00498	
ZC6B8	00565	00503	
ZC6C0	00569	00502	
ZC6C4	00571	00579	
ZC6E1	00583	00494	
ZC6E7	00586	00575	
ZC840	00029	00073	00131
ZCC09	00030	00084	00086 00127
ZCC15	00032	00177	
ZCC2B	00033	00076	
ZCC2C	00034	00077	
ZCC3D	00035	00218	00219 00224
ZCC44	00036	00216	00225 00231
ZCD15	00037	00410	

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ZCD18      00038 00253
ZCD1E      00039 00124 00401
ZCD21      00040 00153 00426
ZCD24      00041 00117 00128 00139 00197 00275 00404 00461 00466 00471 00482
           00508
ZCD27      00042 00180 00435 00436
ZCD2D      00043 00096 00107 00173
ZCD3F      00044 00121
ZD406      00046 00195 00201 00302 00313 00330 00361 00377 00388 00417
ZIFF       00049 00586

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9.10.84

OPT PAG

* NAM D.CMDV2R3.3

8.10.84

D. CMD

V 2

R 3.3

Waveterm

Drucker

"Print Events"

2					
3					
4					
5					
6					
7		0000	WAVBAS	EQU	\$0000
8		270F	Z270F	EQU	\$270F
9		5824	SECUR	EQU	\$5824
10		5832	OUTCX	EQU	\$5832
11		7000	Z7000	EQU	\$7000
12		7004	Z7004	EQU	\$7004
13		BFC0	ZBFC0	EQU	\$BFC0
14		C000	ZC000	EQU	\$C000
15		C200	ZC200	EQU	\$C200
16		C201	ZC201	EQU	\$C201
17					
18		CD03	ZCD03	EQU	\$CD03
19		EA3D	PAGEM	EQU	\$EA3D
20		EB08	ZEB08	EQU	\$EB08
21		EB0A	ZEB0A	EQU	\$EB0A
22		EB80	ZEB80	EQU	\$EB80
23		EE05	SOFKEY	EQU	\$EE05
24		FCF8	ZFCF8	EQU	\$FCF8
25		FCF9	ZFCF9	EQU	\$FCF9
26		C202	ZC202	EQU	\$C202
27					
28			* *****		
29	C203		ORG		\$C203
30			* *****		
31					
32	C203	7F	FCF9	ZC203	CLR >ZFCF9
33	C206	86	FF	LDA	##FF
34	C208	B7	FCF8	STA	>ZFCF8
35	C208	86	3C	LDA	##3C
36	C20D	B7	FCF9	STA	>ZFCF9
37	C210	5F		CLRB	
38	C211	F7	FCF8	STB	>ZFCF8
39	C214	86	34	LDA	##34
40	C216	B7	FCF9	STA	>ZFCF9
41	C219	86	3C	LDA	##3C
42	C21B	B7	FCF9	STA	>ZFCF9
43	C21E	7F	C200	CLR	>ZC200
44	C221	39		RTS	
45					
46	C222	A6	80	ZC222	LDA ,X+
47	C224	81	FF	CMPLA	##FF
48	C226	27	05	BEQ	ZC22D
49	>C228	BD	C22E	JSR	>ZC22E
50	C22B	20	F5	BRA	ZC222
51					
52	C22D	39		ZC22D	RTS
53					
54	C22E	34	04	ZC22E	PSHS B
55	C230	34	02		PSHS A
56	C232	F6	FCF9	ZC232	LDB >ZFCF9
57	C235	2B	11		BMI ZC248
58	C237	AD	9F EE05	JSR	[SOFKEY]

59	C23B 4D		TSTA		
60	C23C 26	F4	BNE	ZC232	
61	C23E 35	02	PULS	A	
62	C240 35	04	PULS	B	
63	C242 86	01	LDA	##01	
64	C244 B7	C200	STA	>ZC200	
65	C247 39		RTS		
66					
67	C248 F6	FCF8	ZC248	LDB	>ZFCF8
68	C24B A6	E4		LDA	,S
69	C24D B7	FCF8		STA	>ZFCF8
70	C250 86	34		LDA	##34
71	C252 B7	FCF9		STA	>ZFCF9
72	C255 86	3C		LDA	##3C
73	C257 B7	FCF9		STA	>ZFCF9
74	C25A 35	02		PULS	A
75	C25C 35	04		PULS	B
76	C25E 39			RTS	
77					
78	C25F B6	EA3D	ZC25F	LDA	>PAGEM
79	C262 81	05		CMPA	##05
80	C264 25	39		BCS	ZC29F
81	C266 16	0162		LBRA	ZC3CB
82					
83	C269 0A 0A 0A 1B		ZC269	FCB	\$0A,\$0A,\$0A,\$1B,\$4C,\$02,\$1B,\$42
	C26D 4C 02 1B 42				
84	C271 20 20 20 20			FCC	" PP6 WAVE-TERM PRINT "
	C275 20 20 20 50				
	C279 50 47 20 20				
	C27D 20 57 41 56				
	C281 45 2D 54 45				
	C285 52 4D 20 50				
	C289 52 49 4E 54				
	C28D 20 20 20 20				
85	C291 50 41 47 45			FCC	"PAGE"
86	C295 FF			FCB	##FF
87					
88	C296 0A 1B 4C 02		ZC296	FCB	\$0A,\$1B,\$4C,\$02,\$1B,\$47,\$01,\$50
	C29A 1B 47 01 50				
89	C29E FF			FCB	##FF
90					
91	C29F BD	C203	ZC29F	JSR	>ZC203
92	C2A2 8E	C269		LDX	##ZC269
93	C2A5 BD	C222		JSR	>ZC222
94	C2A8 B6	EA3D		LDA	>PAGEM
95	C2AB 8B	30		ADDA	##30
96	C2AD BD	C22E		JSR	>ZC22E
97	C2B0 C6	14		LDB	##14
98	C2B2 86	0A	ZC2B2	LDA	##0A
99	C2B4 BD	C22E		JSR	>ZC22E
100	C2B7 5A			DECB	
101	C2B8 26	F8		BNE	ZC2B2
102	C2BA 8E	BFC0		LDX	##ZBFC0
103	C2BD 1F	12		TFR	X,Y

104	C2BF 34	10	ZC2BF	PSHS	X	
105	C2C1 8E	C296		LDX	#ZC296	
106	C2C4 BD	C222		JSR	>ZC222	
107	C2C7 35	10		PULS	X	
108	C2C9 C6	50		LDB	##50	
109	C2CB 4F		ZC2CB	CLRA		
110	C2CC BD	C22E		JSR	>ZC22E	
111	C2CF 5A			DECB		
112	C2D0 26	F9		BNE	ZC2CB	
113	C2D2 34	04	ZC2D2	PSHS	B	
114	C2D4 C6	08		LDB	##08	
115	C2D6 34	04		PSHS	B	
116	C2D8 E6	84		LDB	,X	
117	C2DA 59		ZC2DA	ROLB		
118	C2DB 46			RORA		
119	C2DC 6A	E4		DEC	,S	
120	C2DE 26	FA		BNE	ZC2DA	
121	C2E0 32	61		LEAS	\$01,S	
122	C2E2 35	04		PULS	B	
123	C2E4 BD	C22E		JSR	>ZC22E	
124	C2E7 7D	C200		TST	>ZC200	
125	C2EA 26	1C		BNE	ZC308	
126	C2EC 30	88 C0		LEAX	-\$40,X	
127	C2EF 5A			DECB		
128	C2F0 26	E0		BNE	ZC2D2	
129	C2F2 C6	40		LDB	##40	
130	C2F4 31	21		LEAY	\$01,Y	
131	C2F6 1F	21		TFR	Y,X	
132	C2F8 108C	C000		CMPLY	#ZC000	
133	C2FC 26	C1		BNE	ZC2BF	
134	C2FE C6	16		LDB	##16	
135	C300 86	0A	ZC300	LDA	##0A	
136	C302 BD	C22E		JSR	>ZC22E	
137	C305 5A			DECB		
138	C306 26	F8		BNE	ZC300	
139	C308 7E	CD03	ZC308	JMP	>ZCD03	
140						
141	C30B 0A 0A 0A 1B		ZC30B	FCB	\$0A,\$0A,\$0A,\$1B,\$42	
	C30F 42					
142	C310 20 20 20 20			FCC	" PPG WAVE-TERM PRINT E"	
	C314 20 50 50 47					
	C318 20 20 57 41					
	C31C 56 45 2D 54					
	C320 45 52 4D 20					
	C324 50 52 49 4E					
	C328 54 20 20 20					
	C32C 20 20 20 45					
143	C330 56 45 4E 54			FCC	"VENT"	
144	C334 0A			FCB	\$0A	
145	C335 0A			FCB	\$0A	
146	C336 0A			FCB	\$0A	
147	C337 0F			FCB	\$0F	
148	C338 1B			FCB	\$1B	
149	C339 4C			FCC	"L"	

150	C33A 03		FCB	\$03		
151	C33B FF		FCB	\$FF		
152						
153	C33C 20 20 20 20	ZC33C	FCC	"	BAR NO. TIME	GATE OC"
	C340 20 20 20 20					
	C344 20 42 41 52					
	C348 20 4E 4F 2E					
	C34C 20 54 49 4D					
	C350 45 20 20 20					
	C354 47 41 54 45					
	C358 20 20 4F 43					
154	C35C 54 2E 20 53		FCC	"T. SET. GRP UPD CH. 0123456789"		
	C360 45 54 2E 20					
	C364 47 52 50 20					
	C368 20 55 50 44					
	C36C 20 20 43 48					
	C370 2E 20 30 31					
	C374 32 33 34 35					
	C378 36 37 38 39					
155	C37C 41 42 43 44		FCC	"ABCDEF"		
	C380 45 46					
156	C382 FF		FCB	\$FF		
157						
158	C383 20 20 20 20	ZC383	FCC	"	PPG WAVE-TERM PRINT	"
	C387 20 20 20 20					
	C38B 20 50 50 47					
	C38F 20 20 57 41					
	C393 56 45 2D 54					
	C397 45 52 4D 20					
	C39B 50 52 49 4E					
	C39F 54 20 20 20					
159	C3A3 20 20 20 45		FCC	" EVENT		"
	C3A7 56 45 4E 54					
	C3AB 20 20 20 20					
	C3AF 20 20 20 20					
	C3B3 20 20 20 20					
	C3B7 20 20 20 20					
	C3BB 20 20 20 20					
	C3BF 20 20 20 20					
160	C3C3 20 50 41 47		FCC	" PAGE: "		
	C3C7 45 3A 20					
161	C3CA FF		FCB	\$FF		
162						
163	C3CB BE EB80	ZC3CB	LDX	>ZEB80		
164	C3CE 34 10		PSHS	X		
165	C3D0 8E 0000		LDX	#WAVBAS		
166	C3D3 BF EB80		STX	>ZEB80		
167	C3D6 BE 5832		LDX	>OUTCX		
168	C3D9 34 10		PSHS	X		
169	C3DB 8E C22E		LDX	#ZC22E		
170	C3DE BF 5832		STX	>OUTCX		
171	C3E1 BE 5824		LDX	>SECUR		
172	C3E4 34 10		PSHS	X		
173	C3E6 8E C45C		LDX	#ZC45C		

174	C3E9	BF	5824		STX	>SECUR
175	C3EC	86	06		LDA	##06
176	C3EE	B7	C202		STA	>ZC202
177	C3F1	86	01		LDA	##01
178	C3F3	B7	C201		STA	>ZC201
179	C3F6	BD	C203		JSR	>ZC203
180	C3F9	BE	C30B		LDX	#ZC30B
181	C3FC	BD	C222		JSR	>ZC222
182	C3FF	BE	EB80	ZC3FF	LDX	>ZEB80
183	C402	8C	270F		CMPX	#Z270F
184	C405	27	19		BEQ	ZC420
185	C407	34	10		PSHS	X
186	C409	AD	9F 7000		JSR	[Z7000]
187	C40D	25	08		BCS	ZC417
188	>C40F	BD	C436		JSR	>ZC436
189	C412	7D	C200		TST	>ZC200
190	C415	26	1B		BNE	ZC432
191	C417	35	10	ZC417	PULS	X
192	C419	30	01		LEAX	#01,X
193	C41B	BF	EB80		STX	>ZEB80
194	C41E	20	DF		BRA	ZC3FF
195						
196	C420	35	10	ZC420	PULS	X
197	C422	BF	5824		STX	>SECUR
198	C425	35	10		PULS	X
199	C427	BF	5832		STX	>OUTCX
200	C42A	35	10		PULS	X
201	C42C	BF	EB80		STX	>ZEB80
202	C42F	7E	CD03		JMP	>ZCD03
203						
204	C432	32	62	ZC432	LEAS	#02,S
205	C434	20	EA		BRA	ZC420
206						
207	C436	BD	C4BD	ZC436	JSR	>ZC4BD
208	C439	BE	C33C		LDX	#ZC33C
209	C43C	BD	C222		JSR	>ZC222
210	C43F	86	0A		LDA	##0A
211	C441	BD	C22E		JSR	>ZC22E
212	C444	7C	C202		INC	>ZC202
213	C447	AD	9F 7000		JSR	[Z7000]
214	C44B	25	0E		BCS	ZC45B
215	>C44D	BD	C46B		JSR	>ZC46B
216	C450	AD	9F 7004	ZC450	JSR	[Z7004]
217	C454	25	05		BCS	ZC45B
218	>C456	BD	C46B		JSR	>ZC46B
219	C459	20	F5		BRA	ZC450
220						
221	C45B	39		ZC45B	RTS	
222						
223	C45C	86	20	ZC45C	LDA	##20
224	C45E	BD	C22E		JSR	>ZC22E
225	C461	86	20		LDA	##20
226	C463	BD	C22E		JSR	>ZC22E
227	C466	86	20		LDA	##20


```

228 C468 7E C22E JMP >ZC22E
229
230 C46B 8D EF ZC46B BSR ZC45C
231 C46D 8D ED BSR ZC45C
232 C46F CE EB80 LDU #ZEB80
233 C472 10BE EB0A LDY >ZEB0A
234 C476 A6 42 LDA #02,U
235 C478 B1 FF CMPA #FF
236 C47A 27 09 BEQ ZC485
237 C47C AD 9F EB08 ZC47C JSR [ZEB08]
238 C480 24 FA BCC ZC47C
239 >C482 7E C4BD JMP >ZC4BD
240
241 C485 AD 9F EB08 ZC485 JSR [ZEB08]
242 C489 8E C49D LDX #ZC49D
243 C48C BD C222 JSR >ZC222
244 C48F F6 C202 LDB >ZC202
245 C492 86 0A ZC492 LDA #0A
246 C494 BD C22E JSR >ZC22E
247 C497 5C INCB
248 C49B C1 4B CMPB #4B
249 C49A 26 F6 BNE ZC492
250 C49C 39 RTS
251
252 C49D 20 20 20 20 ZC49D FCC " ***** END *****"
C4A1 2A 2A 2A 2A
C4A5 2A 2A 2A 2A
C4A9 2A 2A 20 45
C4AD 4E 44 20 2A
C4B1 2A 2A 2A 2A
C4B5 2A 2A 2A 2A
C4B9 2A 2A
253 C4BB 0A FCB #0A
254 C4BC FF FCB #FF
255
256 C4BD 34 04 ZC4BD PSHS B
257 C4BF F6 C202 LDB >ZC202
258 C4C2 C1 46 CMPB #46
259 C4C4 25 38 BCS ZC4FE
260 C4C6 86 0A ZC4C6 LDA #0A
261 C4C8 BD C22E JSR >ZC22E
262 C4CB 5C INCB
263 C4CC C1 4B CMPB #4B
264 C4CE 26 F6 BNE ZC4C6
265 C4D0 86 04 LDA #04
266 C4D2 B7 C202 STA >ZC202
267 C4D5 8E C383 LDX #ZC383
268 C4D8 BD C222 JSR >ZC222
269 C4DB B6 C201 LDA >ZC201
270 C4DE 4C INCA
271 C4DF B7 C201 STA >ZC201
272 C4E2 C6 FF LDB #FF
273 C4E4 5C ZC4E4 INCB
274 C4E5 80 0A SUBA #0A

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275	C4E7	2A	FB	BPL	ZC4E4
276	C4E9	34	02	PSHS	A
277	C4EB	1F	98	TFR	B,A
278	C4ED	88	30	ADDA	##30
279	C4EF	BD	C22E	JSR	>ZC22E
280	C4F2	35	02	PULS	A
281	C4F4	88	3A	ADDA	##3A
282	C4F6	BD	C22E	JSR	>ZC22E
283	C4F9	86	0A	LDA	##0A
284	C4FB	BD	C22E	JSR	>ZC22E
285	C4FE	86	0A	LDA	##0A
286	C500	BD	C22E	JSR	>ZC22E
287	C503	7C	C202	INC	>ZC202
288	C506	35	84	PULS	PC,B
289					
290				END	ZC25F

0 ERROR(S) DETECTED

SYMBOL TABLE:

OUTCX	5832	PAGEM	EA3D	SECUR	5824	SOFKEY	EE05	WAVBAS	0000
Z270F	270F	Z7000	7000	Z7004	7004	ZBFC0	BFC0	ZC000	C000
ZC200	C200	ZC201	C201	ZC202	C202	ZC203	C203	ZC222	C222
ZC22D	C22D	ZC22E	C22E	ZC232	C232	ZC248	C248	ZC25F	C25F
ZC269	C269	ZC296	C296	ZC29F	C29F	ZC2B2	C2B2	ZC2BF	C2BF
ZC2CB	C2CB	ZC2D2	C2D2	ZC2DA	C2DA	ZC300	C300	ZC308	C308
ZC30B	C30B	ZC33C	C33C	ZC3B3	C3B3	ZC3CB	C3CB	ZC3FF	C3FF
ZC417	C417	ZC420	C420	ZC432	C432	ZC436	C436	ZC450	C450
ZC45B	C45B	ZC45C	C45C	ZC46B	C46B	ZC47C	C47C	ZC485	C485
ZC492	C492	ZC49D	C49D	ZC4BD	C4BD	ZC4C6	C4C6	ZC4E4	C4E4
ZC4FE	C4FE	ZCD03	CD03	ZEB08	EB08	ZEB0A	EB0A	ZEB80	EB80
ZFCFB	FCFB	ZFCF9	FCF9						

9.10.84

OUTCX 00010 00167 00170 00199
PAGEM 00019 00078 00094
SECUR 00009 00171 00174 00197
SOFKEY 00023 00058
WAVBAS 00007 00165
Z270F 00008 00183
Z7000 00011 00186 00213
Z7004 00012 00216
ZBFC0 00013 00102
ZC000 00014 00132
ZC200 00015 00043 00064 00124 00189
ZC201 00016 00178 00269 00271
ZC202 00026 00176 00212 00244 00257 00266 00287
ZC203 00032 00091 00179
ZC222 00046 00050 00093 00106 00181 00209 00243 00268
ZC22D 00052 00048
ZC22E 00054 00049 00096 00099 00110 00123 00136 00169 00211 00224 00226
00228 00246 00261 00279 00282 00284 00286
ZC232 00056 00060
ZC248 00067 00057
ZC25F 00078 00290
ZC269 00083 00092
ZC296 00088 00105
ZC29F 00091 00080
ZC2B2 00098 00101
ZC2BF 00104 00133
ZC2CB 00109 00112
ZC2D2 00113 00128
ZC2DA 00117 00120
ZC300 00135 00138
ZC30B 00139 00125
ZC30B 00141 00180
ZC33C 00153 00208
ZC3B3 00158 00267
ZC3CB 00163 00081
ZC3FF 00182 00194
ZC417 00191 00187
ZC420 00196 00184 00205
ZC432 00204 00190
ZC436 00207 00188
ZC450 00216 00219
ZC45B 00221 00214 00217
ZC45C 00223 00173 00230 00231
ZC46B 00230 00215 00218
ZC47C 00237 00238
ZC485 00241 00236
ZC492 00245 00249
ZC49D 00252 00242
ZC4BD 00256 00207 00239
ZC4C6 00260 00264
ZC4E4 00273 00275
ZC4FE 00285 00259
ZCD03 00018 00139 00202
ZEB0B 00020 00237 00241
ZEB0A 00021 00233
ZEB80 00022 00163 00166 00182 00193 00201 00232
ZFCFB 00024 00034 00038 00067 00069
ZFCF9 00025 00032 00036 00040 00042 00056 00071 00073

D. (M)

V2

R 3.3

Waveterm

Drucker

"Print Events"