

APPLEMUSIC~~6-1~~ 7-11-85

LPR#0

SOURCE FILE: ASS3

SOURCE FILE: ASSCTL

0000:	1	APPLE_SOUND
0000:	2	P.P.
C030:	3	SPEAKER EQU \$C030
0000:	4	DSECT
00E0:	5	ORG \$EO
00E0:	6	NOTECOUNT DS 2
00E2:	7	Z1COMP DS 2
00E4:	8	Z2COMP DS 2
00E6:	9	Z1COUNT DS 2
00E8:	10	Z1WAVE DS 2
00EA:	11	Z2WAVE DS 2
00EC:	12	TIMEFACT DS 1
		; CTL. POINTER
		; OCT. ADJ. PULSE WIDTH

00ED:	13	OCTUPUS DS 4
00F1:	14	TIME1 DS 1
00F2:	15	TIME5 DS 1
00F3:	16	TIME3 DS 1
00F4:	17	TIME7 DS 1
00F5:	18	TEMPERARY DS 2
00F7:	19	TEMP DS 1
0000:	20	DEND

----- NEXT OBJECT FILE NAME IS ASS3.OBJ0

1000:	21	ORG \$1000
1000:A9 FF	22	INIT LDA #\$FF
1002:85 E0	23	STA NOTECOUNT
1004:4C 09 10	24	JMP APPLEGO
1007:	25	SAVECOUNT DS 1
1008:	26	LENADJ DS 1
1009:	27	APPLEGO EQU *
1009:AD 00 C0	28	LDA \$C000
100C:E9 DA	29	CMP #\$DA
100E:00 04 E5	30	BNE NOUT
1010:AD 10 C0	31	LDA \$C010
1013:60 00 A8	32	RTS
1014:08	33	NOUT EQU *
1014:AD 10 C0	34	LDA \$C0100000*SY*DEVIBSON+T3
1017:E6 E0	35	ZG01 INC NOTECOUNT
1012:A5 E0 10	36	LDA NOTECOUNT+8*DWB0B0001*#38
101B:C9 0C	37	DEELINE CMP #12
101D:00 03	38	BNE NXTNOTE
101F:4C 00 10	39	JMP INIT
1022:	40	NXTNOTE EQU *
1022:	41	GONOTE EQU *
1022:A5 E0	42	LDA NOTECOUNT
1024:	43	;GET NOTE, IN OCTAVE
1024:29 0F	44	AND #\$F113
1026:0A	45	ASL A
1027:AD 00 12	46	TAX ASLICED 12H
1028:BD 75 12	47	LDA NOTETBL,X
102B:85 E2	48	STA Z1COMP
102D:BD 76 12	49	LDA NOTETBL+1,X
1030:85 E3	50	STA Z1COMP+1
1032:AD AB 12	51	LDA PWVALUE

1032:AD AB 12 51 LDA PWVALUE
1035:85 E8 52 STA Z1WAVE
1037:AD AC 12 53 LDA RWVALUE+1
103A:85 E9 54 0FVA STA Z1WAVE+1
103C:BD 8F 12 55 TBL 103B STA TIMETBL,X
103E:85 ED 56 STA OCTUPUS
1041:BD 90 12 57 DLAB 103B STA TIMETBL+1,X
1044:85 EE 58 TBL 103B STA OCTUPUS+1
1046:AD B1 12 59 0HVAL CALDA QUIK
1049:FO 04 60 BEQ OKQUIKS
104B:46 EE 61 TBL 103B OCTUPUS+1
104D:66 ED 62 ROR OCTUPUS
104F:23 43 13 63 OKQUIKS EQU *
104F:A9 00 64 LDA #0
1051:8D 08 10 65 STA LENADD
1054:85 EF 66 STA OCTUPUS+2
1056:85 FO 67 STA OCTUPUS+3
1058: 68 LDA #\$35 CPT 103B DLAB 400*400
1058: 69 STA TIMEFACT
1058:A5 EO 70 DIBENED LDA NOTECOUNT
105A:4A 71 LSR A
105B:4A 72 LSR A
105C:4A 73 LSR A
105D:4A 74 LSR A
105E:00 75 DLAB 23L ORAO1 #8FO 103B 11 54 82 DLAB 415*415
1060:18 76 DIBALP BCBCPCTT*400*400*400*400
1061:69 OB 77 DIB 400 ADC #11 PLDPLT 10
1063:AA 0C 78 B TAX 103B DEBCTT DEBT
1064:83 10 79 DEX DIB 400*400*400*400*400
1064:8E 07 10 80 REVOLC STX SAVECOUNT
1067:CE 07 10 81 DEC SAVECOUNT
106A:41 00 82 OCTLOOP EQU *
106A:46 E3 83 LSR Z1COMP+1
106C:66 E2 84 ROR Z1COMP
106E:40 85 LSR Z2COMP+1
106E:45 86 ROR Z2COMP
106E:46 E9 87 LSR Z1WAVE+1
1070:66 E8 88 ROR Z1WAVE
1072:CA 31 89 DEX
1073:30 1C 90 REVOLC BMI OUTOCTLOOP
1075:EC 07 100 91 CPX SAVECOUNT
1078:FO F0 13 92 BEQ OCTLOOP
1078:06 ED 93 ASL OCTUPUS
107C:26 EE 13 94 ROL OCTUPUS+1
107E:26 FF 11 95 ROL OCTUPUS+2
1080:26 FO 96 DX1BT ROL OCTUPUS+3
1082:AD 08 10 97 LDA LENADD
1085:18 00 01 98 CLC
1086:69 16 99 CPVALS08 ADC #22
1088:8D 08 10 100 STA LENADD
1088:4C 6A 10 101 DLAB GJMP OCTLOOP
108E: 102 OCTNEW EQU *
108E:23 28 90 103 TBL 103B DIB 400*400*400*400*400
108E:4C 6A 10 104 JMP OCTLOOP
1091:83 43 20 105 OUTOCTLOOP EQU *
1091:A5 ED 10 106 LDA OCTUPUS
1093:38 00 107 SEC
1094:ED 08 10 108 SBC LENADD#400*400*400
1097:BO 18 10 109 BCS OKLEN1
1099:A5 EE 110 0HVAL CALDA OCTUPUS+1
109B:08 111 PHP
109C:C6 EE 112 TBL 103B DIB 400*400*400*400*400
109E:28 113 PLP
109F:FO 02 114 BEQ OKLEN2

LDA SLIDCURL
STA SLIDEOPEN
LDA SLIDEVERT+1
STA SLIDEOPEN+1

A3L SCRAPDOWN
ROL SLIDEOPEN+1

109E:F0 02	114	BEQ	OKLEN2
10A1:D0 0E	115	BNE	OKLEN1
10A3:	116	EQU	*
10A3:A5 EF	117	LDA	OCTUPUS+2
10A5:08	118	PHP	
10A6:C6 EF	119	DEC	OCTUPUS+2
10A8:28	120	PLP	
10A9:D0 06	121	BNE	OKLEN1
10AB:	122	EQU	*
10AB:A5 F0	123	LDA	OCTUPUS+3
10AD:F0 02	124	BEQ	OKLEN1
10AF:C6 F0	125	DEC	OCTUPUS+3
10B1:	126	EQU	*
10B1:E6 EE	127	INC	OCTUPUS+1
10B3:E6 EF	128	INC	OCTUPUS+2
10B5:E6 F0	129	INC	OCTUPUS+3
10B7:	130	EQU	*
10B7:	131	;ADJUST. FOR. LOOP. HOUSEKEEPING. TIME	
10B7:A5 E2	132	LDA	Z1COMP
10B9:38	133	SEC	
10BA:E9 04	134	SBC	#4
10BC:85 E2	135	STA	Z1COMP
10BE:B0 06	136	BCS	OKSC1
10C0:A5 E3	137	LDA	Z1COMP+1

10C2:F0 02	138	BEQ	OKSC1
10C4:C6 E3	139	DEC	Z1COMP+1
10C6:	140	EQU	*
10C6:	141	SEC	
10C6:	142	SBC	#4
10C6:	143	STA	Z2COMP
10C6:	144	BCS	OKSC2
10C6:00 00 00	145	LDA	Z2COMP+1
10C6:00 00 03	146	BEQ	OKSC2
10C6:12 13	147	DEC	Z2COMP+1

10C6:12 02 08	148	OKSC2	EQU	*
10C6:A5 E2	149	LDA	Z1COMP	131'3'11'51'16'
10C8:85 E4	150	STA	Z2COMP	
10CA:A5 E3 15	151	LDA	Z1COMP+1	
10CC:85 E5 00	152	STA	Z2COMP+1	131'33'79'91'
10CE:12 13	153	DO.PULSE.WIDTH		
10CE:12 0E 03	154	JMP	ENDPWTH	

10CE:01030:00 01550 TESTPWOVER EQU *B 9'14'19'23'12'1'50'18

10CE:A5 E9	156	LDA	Z1WAVE+1
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10D0:C5 E3 13	157	CMP	Z1COMP+1
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10D2:90 1F 02	158	BCC	OKPWC1
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10D4:D0 08	159	BIN	BNE
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10D6:A5 E8	160	LDA	Z1WAVE
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10D8:C5 E2	161	BNB	CMP
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10DA:90 17	162	BNB	DECC
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10DC:F0 15	163	BEQ	OKPWC1
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10DE:A5 E8	164	PWOVER1	LDA
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10E0:38	165	SEC	Z1WAVE
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10E1:E5 E2	166	SBC	Z1COMP
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10E3:85 E8	167	STA	Z1WAVE
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10E5:80 02 00 00	168	BNB	BCS
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10E7:C6 E9 00	169	BNB	DECC
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10E9:A5 E9 00	170	OKZ1SB1	LDA
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10EB:38	171	SEC	Z1WAVE+1
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10EC:E5 E8	172	BNB	SBC
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10EE:85 E9	173	STA	Z1WAVE+1
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10F0:4C CE 10	174	JMP	TESTPWOVER
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10F3:12	175	OKPWC1	EQU
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10F3:A5 E2	176	LDA	Z1COMP
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10F5:38	177	SEC	
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Z1Wave Z1Wave Z1comp

10F5:38	177	SEC	
10F6:E5 E8	178	SBC	Z1WAVE
10F8:85 E2	179	STA	Z1COMP
10FA:B0 02	180	BCS	OKDOZW
10FC:C6 E3	181	DEC	Z1COMP+1
10FE:A5 E3	182	OKDOZW	LDA
1100:38	183	SEC	Z1COMP+1
1101:E5 E9	184	SBC	Z1WAVE+1
1103:85 E3	185	STA	Z1COMP+1
1105:A5 E4	186	LDA	Z2COMP
1107:18	187	CLC	
1108:65 E8	188	ADC	Z1WAVE
110A:90 02	189	BCC	OKDOZW2
110C:E6 E5	190	INC	Z2COMP+1
110E:85 E4	191	OKDOZW2	STA
1110:A5 E5	192	LDA	Z2COMP+1
1112:18	193	CLC	
1113:65 E9	194	ADC	Z1WAVE+1
1115:85 E5	195	STA	Z2COMP+1
1117:	196	;END.DD.PULSE.WIDTH	
1117:	197	ENDPWTW	EQU *
1117:E6 E2	198	INC	Z1COMP
1119:E6 E4	199	INC	Z2COMP
111B:E6 E3	200	INC	Z1COMP+1

111D:E6 E5	201	INC	Z2COMP+1
111F:AE AF 12	202	LDX	RESTER
1122:4C 00 12	203	JMP	NEXTWAVE
0025:	204	ORGPI	EQU >*
1125:	205	DS	256-ORGPI
1200:	206	NEXTWAVE	EQU *
1200:A5 E2	207	LDA	Z1COMP
1202:85 E8	208	STA	Z1WAVE
1204:A5 E4	209	LDA	Z2COMP
1206:85 EA	210	STA	Z2WAVE
1208:A5 E3	211	LDA	Z1COMP+1
120A:85 E9	212	STA	Z1WAVE+1
120C:	213	;18	
120C:EA	214	NOP	
120D:EA	215	NOP	
120E:BD 2F C0	216	LDA	\$C02F,X ;SPEAKER

1211:	217	;24.CCS	
1211:C6 E8	218	WL1	DEC Z1WAVE
1213:D0 FC	219	BNE	WL1
1215:C6 E9	220	DEC	Z1WAVE+1
1217:F0 08	221	BEQ	OUTWL1
1219:C6 E8	222	DEC	Z1WAVE
121B:C6 E8	223	HOLDWAVE	DEC Z1WAVE
121D:C6 E8	224	DEC	Z1WAVE
121F:D0 F0	225	BNE	WL1
1221:	226	OUTWL1	EQU >*
1221:D0 0C	227	;7.OUT	BL BEQ NOHOLD
1221:A5 E5	228	LDA	Z2COMP+1
1223:85 EB	229	STA	Z2WAVE+1
1225:A5 ED	230	LDA	OCTUPUS
1227:18	231	BLWAVE	CLC *
1228:E5 EC	232	BLWAVE	SBC TIMEFACT
122A:85 ED	233	BLWAVE	STA OCTUPUS
122C:B0 08	234	BCS	WAVEOK:SC CS TE A,B
122E:C6 EE	235	DEC	OCTUPUS+1
1230:D0 04	236	BNE	WAVEOK
1232:C6 EF	237	DEC	OCTUPUS+2
1234:F0 13	238	BLWAVE	BEQR EXITWAVE
1236:	239	WAVEOK	EQU *
1236:BD 2F C0	240	LDA	\$C02F,X

LDA & DISPEQS
 STA SAMPLES

+1

+1

+2

+2

←

1236:BD	2F	CO	240	LDA	\$C02F,X
1239:	-	-	241	:S1.CCS	
1239:06	EA		242	WL2	DEC
123B:00	FC		243	BNE	Z2WAVE
123D:C6	EB		244	DEC	Z2WAVE+1
123F:F0	BF		245	BEQ	NEXTWAVE
1241:C6	EA		246	DEC	Z2WAVE
1243:C6	EA		247	DEC	Z2WAVE
1245:C6	EA		248	DEC	Z2WAVE
1247:D0	FO		249	BNE	WL2
1249:	-	-	250	:7.OUT	
1249:	-	-	251	WAVEOUT EQU	*
1249:	-	-	252	EXITWAVE EQU	*
1249:4C	30	14	253.	JMP	NEXTNOTE ↗
124C:A2	10		254	LDX	#\$10
124E:A0	10		255	LDY	#\$10
1250:CA	-	-	256	OL1	DEX
1251:D0	FD		257	BNE	OL1
1253:88	-	-	258	DEY	
1254:D0	FA		259	BNE	OL1
1256:4C	09	10	260	JMP	APPLEGO
1259:01	02	03	261	OCTAVE	DFB 1,2,3,4,5
125C:04	05				
125E:06	07	08	262	DFB	6,7,8,9,10,11,12,13

Forsuives
 go next note
 use Z1COMP,
 to adjust slide
 Value, simply
 add slide value.
 also OCTAVES,
 OCTAVES+1
 +2

need to be
 saved + restored.

SLIDE: DELTA (neg-pos)
 Number of slides

at EXITWAVE ← LOAD SHOCKDOWN

LDA SLIDECONT
 STA SLIDEFLG
 BNE
 JMP NEXTNOTE

LDA SLIDEFLG
 BMI
 DEC SLIDEFLG
 BPL

BMI:
 PL: LDA SAVEPLUS OCTAVES
 +1 +1
 ↗

LDA Z1COMP -
 CLC
 ADC SLIDEVAL
 BEQ SLIDEVAL
 INC SLIDEVAL
 CLC: LDA Z1COMP
 ADC SLIDEVAL+1
 STA Z1COMP

1261:09	0A	0B			
1264:0C	0D				
1266:0E			263	DFB	14
1267:80			264	PTBL	DFB \$80
1268:81			265	DFB	\$81
1269:82			266	DFB	\$82
126A:83			267	DFB	\$83
126B:84			268	DFB	\$84
126C:85			269	DFB	\$85
126D:86			270	DFB	\$86
126E:87			271	DFB	\$87
126F:88			272	DFB	\$88
1270:89			273	DFB	\$89
1271:8A			274	DFB	\$8A
1272:8B			275	DFB	\$8B
1273:8C			276	DFB	\$8C
1274:8D			277	DFB	\$8D
1275:2E	FD		278	NOTETBL	DW 64814
1277:F8	EE		279	DW	611761
1279:8F	E1		280	DW	57743
127B:E6	D4		281	DW	54502
127D:F3	C8		282	DW	51443
127F:AC	BD	00	283	DW	48556
1281:06	B3		284	DW	45830
1283:FA	A8		285	DW	43258
1285:7E	9F		286	DW	40830
1287:8B	96		287	DW	38539
1289:18	8E		288	DW	36376
128B:1E	86		289	DW	34334
128D:97	7E		290	DW	32407
128F:	-	-	291	TIMETBL EQU	*
128F:26	00		292	DW	38
1291:28	00		293	DW	40
1293:2B	00		294	DW	43
1295:2E	00	00	295	DW	46
1297:30	00		296	DW	48
1299:33	00		297	DW	51
129B:35	00		298	DW	53
129D:37	00		299	DW	55
129F:3A	00		300	DW	59

12A1: 3C 00 00 00 301 DW 30*2
12A3: 3E 00 00 00 302 DW 31*2
12A5: 40 00 00 00 303 DW 32*2
12A7: 42 00 00 00 304 DW 33*2
12A9: 44 00 00 00 305 DW 34*2
12AB: 46 00 00 00 306 CHN ASSCTL
12AB: 47 1 FASSCTL DS 1
12AB: 48 2 PWVALUE DS 2
12AD: 49 3 PWDELTA DS 2
12AF: 50 4 RESTER DS 1
12B0: 51 5 RTIME DS 1
12B1: 00 52 6 QUIK DFB O
12B2: 00 53 7 NOIFLAG DFB O
12B3: 00 54 8 NOITIMER DFB O
12B4: 00 55 9 TIME11 DFB O
12B5: 00 56 10 TIME13 DS 1
12B6: 00 57 11 TIME17 DS 1
12B7: 00 58 12 SOUNDBORG DS 2
12B9: 00 59 13 PASSON DFB O
12BA: 00 60 14 CLOTHW DS \$1400-*
1400: AD 10 CO 00 15 LDA \$CO10
1403: 4C 90 14 00 16 JMP WAITGO
1406: 00 00 00 00 17 TUNOTE DS 1

1407: 00 00 00 00 18 GOTUNE EQU *
1407: 00 00 00 00 19 ****=
1407: 00 00 00 00 20 ;*, SET, SOUNDBORG, TO, BASE, ADDRESS
1407: 00 00 00 00 21 ;*, OF, MUSIC, TABLES, FOR, OVERLAYS
1407: 00 00 00 00 22 ;*, SOUNDBORG, IS, USED, TO, PROVIDE,
1407: 00 00 00 00 23 ;*, RELOCATABILITY, IT, POINTS, TO
1407: 00 00 00 00 24 ;*, FIRST, BYTE, OF, MUSIC, TO, PLAY
1407: 00 00 00 00 25 ;*, OR, OF, SOUND, EFFECT, TABLES, !
1407: 00 00 00 00 26 ;*****=
1407: 00 00 00 00 27 ;><><><><><><
1407: 00 00 00 00 28 ;>, AND, ONE, MORE, THING....
1407: 00 00 00 00 29 ;>, THE, WORD, OF, STORAGE, "SUBTBL"
1407: 00 00 00 00 30 ;>, MUST, HOLD, THE, RELOCATABLE
1407: 00 00 00 00 31 ;>, ADDRESS, OF, THE, SUBTABLE, NOW
1407: 00 00 00 00 32 ;>, THIS, IS, AT, END, OF, AREA, AT
1407: 00 00 00 00 33 ;>, ZFOOO!!!!!!
1407: 00 00 00 00 34 ;><><><><><
1407:A9 00 00 00 35 LDA #0
1409:8D B7 12 36 STA SOUNDBORG
140C: A9 20 37 KTF000 LDA #\$20
140E: 8D B8 12 38 STA SOUNDBORG+1
1411: 00 00 00 00 39 ;*****=
1411: 00 00 00 00 40 ;*, CURRENTLY, AT, \$2000
1411: 00 00 00 00 41 ;*****=
1411:A9 00 00 00 42 LDA #GTUNE
1413: 85 E6 43 STA Z1COUNT
1415: A9 20 44 LDA #CTUNE
1417: 85 E7 45 STA Z1COUNT+1
1419: 00 00 00 00 46 ;*****=
1419: 00 00 00 00 47 ;*, Z1COUNT, IS, WHERE, ABSOLUTE,
1419: 00 00 00 00 48 ;*, ADDRESS, OF, CURRENT, SOUND, IS
1419: 00 00 00 00 49 ;*****=
1419: 00 00 00 00 50 GOTUNEX EQU *
1419: A9 00 00 00 51 LDA #0
141B: 8D AB 12 52 STA PWVALUE
141E: 8D AC 12 53 STA PWVALUE+1
1421: 8D AD 12 54 STA PWDELTA
1424: 8D AE 12 55 STA PWDELTA+1
1427: 8D B1 12 56 STA QUIK
142A: 8D 4B 15 57 STA SLOOPCNT
142D: 8D A7 17 58 PFC CHGSPCTP

142A:8D 4B 15 57 STA SLOOPCNT
142D:CE 4B 15 58 DEC SLOOPCNT
1430:-- -- 59 NEXTNOTE EQU *
1430:AO 00 CO 60 LDY #0
1432:-- -- 61 NEXTNGO EQU *
1432:A9 01 62 LDA #1
1434:8D AF 12 63 OKSELCH STA RESTER
1437:E6 F1 64 :219 LBLINCA TIME1
1439:E6 F3 65 :087 LBLINCA TIME3
143B:A5 F3 66 :FB8 LDA TIME3
143D:29 03 67 :8D3 OKAND3 #43
143F:D0 02 68 :001 BNE OINKT3
1441:E6 F3 69 :1D9 LBLINC TIME3
1443:A5 F2 70 OINKT3 LDA TIMES
1445:69 05 71 ADC #5
1447:85 E2 72 STA TIMES
1449:-- -- 73 \$BCC OINKT5
1449:80 05 74 :LDA #0 LDA
1449:-- -- 75 :STA TIME5
1449:80 05 76 :ADC ADC
1449:-- -- 77 :LDA LDA
1449:00 78 OINKT5 EQU *
1449:A5 F4 79 LDA TIME7
144B:69 07 80 ADC #7
1450:00 81 STA
1450:00 82 :LDA LDA
1450:8C 8C 83 :LDA LDA
144D:85 F4 84 STA TIME7
144E:82 05 85 :BNE OINKT7
144E:-- -- 86 :INC TIME7
144E:00 87 OINKT7 EQU *
144F:AD B4 12 88 :LDY LDA TIME11
1452:62 0B 89 ADC #11
1454:8D B4 12 90 STA TIME11
1457:AD B5 12 91 LDA TIME13A
145A:62 0D 92 ADC #13
145C:8D B5 12 93 STA TIME13A
145E:AD B6 12 94 BNE OINKT11
1462:E9 11 95 :LDA #0 LDA
1462:-- -- 96 :STA TIME11
1462:8C 8C 97 OINKT11 EQU *
1467:AD BQ 12 98 LDA RTIME11
146A:4A 99 :LDY LSR A
146B:E5 F1 100 SBC TIME11
146D:65 F3 101 ADC TIME3
146F:E5 F2 102 SBC TIME5
1471:65 F4 103 :98 ADC TIME7
1473:ED B4 12 104 SBC TIME11
1476:6D B5 12 105 LDY LDA ADC TIME13
1479:ED B6 12 106 SBC TIME17
147C:8D B0 12 107 LDY LDA STA RTIME
147F:AD 00 CO 108 LDA \$CO000
1482:30 11 110 BMI WAITGO
1484:AD B2 12 110 :99 LDA NOIFLAG
1487:F0 03 111 BEQ OKTINY
1489:4C 9F 16 112 DMP DONOISER
148C:8C 8C 113 OKTINY EQU *
148C:B1 E6 114 :9C11 LDA (Z1COUNT),Y
148E:D0 53 115 BNE NORETSA
1490:10 53 116 WAITGO EQU *
1490:AD 00 CO 117 LDA \$CO000
1493:10 FB 53 118 BPL WAITGO
1495:-- -- 119 WAITGO EQU *
1495:48 120 PHA

1497:4C 170 PLA
1498:AB 10 CO 121 LDA \$CO10
1499:68 122 PLA
149A:38 123 SEC
149B:E9 81 124 SBC #\$\$81
149D:90 F1 125 BCC WAITGO
149F:C9 1A 126 CMP #26
14A1:90 OC 127 BCC DOKEY
14A3:E9 40 128 SBC #\$\$40
14A5:C9 19 129 CMP #25
14A7:D0 01 130 BNE OKKEY1
14A9:60 131 RTS
14AA:90 03 132 OKKEY1 BCC DOKEY
14AC: 133 ;LDA \$CO10
14AC:4C 90 14 134 JMP WAITGO
14AF:0A 135 DOKEY ASL A
14B0:AA 136 TAX
14B1:BD 00 1F 137 LDA SOUNDS,X
14B4:85 E6 138 STA Z1COUNT
14B6:BD 01 1F 139 LDA SOUNDS+1,X
14B9:85 E7 140 STA Z1COUNT+1
14BB:AO 00 141 LDY #0
14BD:B1 E6 142 LDA (Z1COUNT),Y
14BF:8D EC 16 143 STA SUBTBL

14C2:C8 144 INY
14C3:B1 E6 145 LDA (Z1COUNT),Y
14C5:8D ED 16 146 STA SUBTBL+1
14C8:A5 E6 147 LDA Z1COUNT
14CA:18 148 CLC
14CB:69 02 149 ADC #2
14CD:90 02 150 BCC OKZ1AOK
14CF:E6 E7 151 INC Z1COUNT+1
14D1:85 E6 152 OKZ1AOK STA Z1COUNT
14D3:A5 E6 153 LDA Z1COUNT
14D5:8D B7 12 154 STA SOUNDORG
14D8:A5 E7 155 LDA Z1COUNT+1
14DA:8D B8 12 156 STA SOUNDORG+1
14DB:AO 00 157 LDY #0
14DF:4C 19 14 158 JMP GOTUNEX
14E2:50 50 159 ;***** AND PASSO
14E2:50 50 160 ;ALSO, NEEDS RELOCATE, SOUNDS
14E2:50 50 161 ;AND SUBTBL EQU 0000+3
14E2: 162 ;***** AND EQU *
14E2:80 00 163 ; BCS =OKMEM
14E2:60 00 164 RTS #0
14E3:30 51 165 NORETQ BMI @DONOTES FDW 0000+3
14E5:00 00 166 NEXTBYT EQU #0000
14E5:E6 E6 167 INC Z1COUNT
14E7:D0 02 168 ANDNORM BNEN OKBYT
14E9:E6 E7 169 INCZ INC Z1COUNT+1
14EB:50 40 170 OKBYT EQU *#20
14EB:8D B9 12 171 STA PASSIVE
14EE:C9 30 172 CMP #\$\$30
14F0:B0 19 173 BCS NEXTGOON
14F2:D9 20 174 CMP #\$\$20
14F4:90 04 30 175 BCC CHKEMALL
14F6:A2 0B 176 LDA #11
14F8:D0 00 177 BNE DOEMA
14FA:50 50 178 CHKEMA EQU *#20
14FA:B0 50 00 179 ;CMP #12 AND EQU 0000+3
14FA: 180 ;BCS NEXTNGO
14FA: 181 DOEMA AND EQU *#MDY
14FA:0A 182 ASL A
14FB:AA 183 TAX
14FC:00 00 184 LDA SUBTBL

14FB:AA	183	TAX
14FC:BD	0E 15	184 LDA SUBS,X
14FF:BD	09 15	185 STA GODOIT+1
1502:BD	0F 15	186 LDA SUBS+1,X
1505:BD	0A 15	187 STA GODOIT+2
1508:20	32 14	188 GODOIT JSR NEXTNGO
150B:		189 NEXTGOON EQU *
150B:4C	30 14	190 JMP NEXTNOTE
150E:00	00	191 SUBS DW 0
1510:4C	15	192 DW SLOOP
1512:8B	15	193 DW SSETPW
1514:A3	15	194 DW SSETPWD
1516:28	16	195 DW SBOTHPW
1518:19	16	196 DW SCLEARPW
151A:BB	15	197 DW SDOPWD
151C:29	15	198 DW SREST
151E:30	16	199 DW SROTS
1520:75	16	200 DW SRETS
1522:66	16	201 DW STOGLQUIK
1524:CC	16	202 DW SWHITE
1526:4C	32 14	203 JMP NEXTNGO
1529:A9	00	204 SREST LDA #0
152B:8D	AF 12	205 STA RESTER
152E:68		206 PLA

12

152F:68		207 PLA
1530:A9	CO	208 LDA %%CO
1532:85	E0	209 STA NOTECOUNT
1534:D0	08	210 BNE OKB2
1536:		211 DONOTES EQU *
1536:85	E0	212 STA NOTECOUNT
1538:E6	E6	213 INC Z1COUNT
153A:D0	02	214 BNE OKB2
153C:E6	E7	215 INC Z1COUNT+1
153E:B1	E6	216 OKB2 LDA (Z1COUNT),Y
1540:85	EC	217 ;CHECK IT STA TIMEFACT
1542:E6	E6	218 INC Z1COUNT
1544:D0	02	219 BNE OKB3
1546:E6	E7 00	220 INC Z1COUNT+1
1548:00	00	221 OKB3 EQU *
1548:4C	22 10	222 ;NEXT IN JMP DE CONOTE ;GOES TO PLAY IT
154B:		223 ; MOORBE EQU *
154B:FF		224 SLOOPCNT DFB \$FF+00
154C:		225 SLOOP EQU *
154C:AD	4B 15	226 ;INCLUDE LDA SLOOPCNT ;ESCAPE FROM SLOOP
154F:30	26	227 ;HELLO BMI STARTLOOP
1551:CE	4B 15	228 ;INCLUDE DECW SLOOPCNT
1554:30	29 34	229 BMI ENOLDOOP00
1556:00	00	230 DOMYLOOP EQU * ;END OF A
1556:E6	E6	231 INC Z1COUNT ;END OF A
1558:D0	02	232 BNE OKZ11
155A:E6	E7	233 INC Z1COUNT+1
155C:4C		234 OKZ11 EQU *
155C:B1	E6	235 LDA (Z1COUNT),Y
155E:48		236 PHA %
155F:C8	36 165	237 373 INY FDB %
1560:B1	E6	238 OKZ12@1 LDA (Z1COUNT),Y
1562:85	E7	239 STA Z1COUNT+1
1564:68	19 0B	240 PEA CIRCLEB
1565:85	E6	241 ;SOUND "STA(Z1COUNT)@1"
1567:		242 ;***** EQU *
1567:00		243 ;*, USE, SOUNDORG, TO, COMPUTE
1567:		244 ;*, ABSOLUTE, ADDRESS, OF, LOOP, FROM
1567:		245 ;*, RELATIVE, ADDRESS,
1567:		246 ;*****

1567: 246 ;*****
1567: AD B7 12 247 LDA SOUNDORG
156A: 18 248 CLC
156B: 65 E6 249 ADC Z1COUNT
156D: 85 E6 250 STA Z1COUNT
156F: AD BB 12 251 OKZ1NL LDA SOUNDORG+1
1572: 65 E7 252 ADC Z1COUNT+1
1574: 85 E7 253 STA Z1COUNT+1
1576: 60 254 RTS
1577: B1 E6 255 STARTLOOP LDA (Z1COUNT),Y
1579: 8D 4B 15 256 STA SLOOPCNT
157C: 4C 56 15 257 JMP DOMYLOOP
157F: A5 E6 258 ENDLOOP LDA Z1COUNT
1581: 18 259 CLC
1582: 69 03 260 ADC #3
1584: 90 02 261 BCC OKENDL
1586: E6 E7 262 INC Z1COUNT+1
1588: 85 E6 263 OKENDL STA Z1COUNT
158A: 60 264 RTS
158B: 265 SSETPW EQU *
158B: B1 E6 266 LDA (Z1COUNT),Y
158D: 8D AB 12 267 STA PWVALUE
1590: C8 268 INY
1591: B1 E6 269 LDA (Z1COUNT),Y

1593: 8D AC 12 270 STA PWVALUE+1
1596: A5 E6 271 LDA Z1COUNT
1598: 18 272 CLC
1599: 69 02 273 ADC #2
159B: 90 02 274 BCC OKZ13
159D: E6 E7 275 INC Z1COUNT+1
159F: 85 E6 276 OKZ13 STA Z1COUNT
15A1: 88 277 DEY
15A2: 60 278 RTS
15A3: 8D AC 12 279 SSETPWD EQU *(Z1COUNT),Y
15A3: B1 E6 280 LDA (Z1COUNT),Y
15A5: 8D AD 12 281 STA PWDELTA
15A8: C8 282 INY
15A9: B1 E6 283 LDA (Z1COUNT),Y
15AB: 8D AE 12 284 STA PWDELTA+1
15AE: A5 E6 285 LDA Z1COUNT
15B0: 18 286 CLC
15B1: 69 02 287 ADC #2
15B3: 90 02 288 BCC OKZ14
15B5: E6 E7 289 INC Z1COUNT+1
15B7: 85 E6 290 OKZ14 STA Z1COUNT
15B9: 88 291 DEY
15BA: 60 292 RTS
15BB: 293 SDOPWD EQU *(PWVALUE+1)
15BB: AD AC 12 294 LDA PWVALUE+1
15BE: 85 F6 295 STA TEMPERARY+1
15C0: AD AB 12 296 LDA PWVALUE
15C3: 18 297 CLC
15C4: 6D AD 12 298 ADC PWDELTA
15C7: 85 F5 299 STA TEMPERARY
15C9: AD AE 12 300 LDA PWDELTA+1
15CC: 30 0C 301 BMI CHKPDNS
15CE: 90 14 302 BCC OK1PWD
15D0: A5 F6 303 LDA TEMPERARY+1
15D2: 69 00 304 ADC #0
15D4: B0 2A 305 BCS NEGPWD
15D6: 85 F6 306 STA TEMPERARY+1
15D8: 90 0A 307 BCC OK1PWD
15DA: B0 08 308 CHKPDNS BCS OK1PWD
15DC: A5 F6 309 LDA TEMPERARY+1

15DC:A5 F6 309 LDA TEMPERARY+1
15DE:E9 00 310 SBC #0
15E0:90 1E 311 BCC NEGPWD
15E2:85 F6 312 STA TEMPERARY+1
15E4: 313 OK1PWDO EQU *
15E4:A5 F6 314 LDA TEMPERARY+1
15E6:18 315 CLC
15E7:6D AE 12 316 ADC PWDELTA+1
15EA:85 F6 317 STA TEMPERARY+1
15EC:AD AE 12 318 LDA PWDELTA+1
15EF:30 0D 319 BMI DOCHDOWN
15F1:B0 0D 320 BCS NEGPWD
15F3: 321 NONEGPWD EQU *
15F3:A5 F5 322 LDA TEMPERARY
15F5:8D AB 12 323 STA PWVALUE
15F8:A5 F6 324 LDA TEMPERARY+1
15FA:8D AC 12 325 STA PWVALUE+1
15FD:60 326 RTS
15FE:B0 F3 327 DOCHDOWN BCS NONEGPWD
1600: 328 NEGPWD EQU *
1600:AD AE 12 329 LDA PWDELTA+1
1603:49 FF 330 EOR #\$FF
1605:8D AE 12 331 STA PWDELTA+1
1608:AD AD 12 332 LDA PWDELTA

160B:49 FF 333 EOR #\$FF
160D:8D AD 12 334 STA PWDELTA
1610:EE AD 12 335 INC PWDELTA
1613:D0 03 336 BNE DUNGNEG
1615:EE AE 12 337 INC PWDELTA+1
1618: 338 DUNGNEG EQU *
1618:60 339 RTS
1619:A9 00 340 SCLEARPW LDA #0
161B:8D AD 12 341 STA PWDELTA
161E:8D AE 12 342 STA PWDELTA+1
1621:8D AB 12 343 STA PWVALUE
1624:8D AC 12 344 STA PWVALUE+1
1627:60 345 RTS
1628:20 BB 15 346 SBOTHPW JSR SSETPW
162B:4C A3 15 347 JMP SSETPWD
162E: 348 HOLDROT DS 2
1630: 349 SROTS EQU *
1630: 350 *TIME:TIME STW *
1630: 351 *PCD:CDT103 PCDJH301
1630: 352 *P40 EPICAN
1630:AD EC 16 353 0142 01 LDA SUBTBL
1633:85 F5 354 STA TEMPERARY
1635:AD ED 16 355 LDA SUBTBL+1
1638:85 F6 356 STA TEMPERARY+1
163A:B1 E6 357 LDA (Z1COUNT),Y
163C:48 358 LDONH12 PHACK
163D:E6 E6 359 INC Z1COUNT
163F:D0 02 360 BNE OKIZS
1641:E6 E7 361 ADDINC Z1COUNT+1
1643:A5 E6 362 OKIZSC LDA Z1COUNT
1645:8D 2E 16 363 LDONSCN STA HOLDROT
1648:A5 E7 364 LDA Z1COUNT+1
164A:8D 2F 16 365 STA HOLDROT+1
164D:68 366 PLA
164E:20 B0 12 367 AND RTIME
1651:18 368 CLC
1652:71 E6 369 ADC (Z1COUNT),Y
1654:0A 370 LDONVMA ASL A LDU
1655:90 02 371 BCC PGSB1
1657:E6 F6 372 INC TEMPERARY+1

1657:E6 F6 372 INC TEMPERARY+1
1659: 373 PGSB1 EQU *
165A:B1 F5 374 TAY
165C:85 E6 375 LDA (TEMPERARY),Y
165E:C8 376 STA Z1COUNT
165F:B1 F5 377 INY
1661:85 E7 378 LDA (TEMPERARY),Y
1661: 379 STA Z1COUNT+1
1663: 380 ****=
1663: 381 ;*, USE, SOUNDORG, AGAIN, FOR
1663: 382 ;*, SUBROUTINE, TABLE
1663: 383 ****=
1663:AD B7 12 384 LDA SOUNDORG
1666:18 385 CLC
1667:65 E6 386 ADC Z1COUNT
1669:85 E6 387 STA Z1COUNT
166B:AD B8 12 388 LDA SOUNDORG+1
166E:65 E7 389 ADC Z1COUNT+1
1670:85 E7 390 STA Z1COUNT+1
1672:A0 00 391 LDY #0
1674:60 392 RTS
1675: 393 SRETS EQU *
1675:AD 2E 16 394 LDA HOLDROT
1678:85 E6 395 STA Z1COUNT

167A:AD 2F 16 396 LDA HOLDROT+1
167D:85 E7 397 STA Z1COUNT+1
167F:E6 E6 398 INC Z1COUNT
1681:D0 02 399 BNE HROK1
1683:E6 E7 400 INC Z1COUNT+1
1685: 401 HROK1 EQU *
1685:60 402 RTS
1686:AD B1 12 403 STOGLQUIK LDA QUIK
1689:49 FF 404 EOR #\$FF
168B:8D B1 12 405 STA QUIK
168E:60 406 RTS
168F: 407 OTHRNOISE EQU *
168F: 408 CKNSTOP EQU *
168F:CE B3 12 409 DEC NOITIMER
1692:F0 03 410 BEQ EXITGOER
1694:4C 30 14 411 NXTNGOER JMP NEXTNOTE
1697: 412 EXITGOER EQU *
1697:A9 00 413 LDA #0
1699:8D B2 12 414 STA NOIFLAG
169C:4C 30 14 415 JMP NEXTNOTE
169F: 416 DONOISER EQU *
169F: 417 NXTNOISE EQU *
169F: 418 LDA SPEAKER
169F:AD B0 12 419 LDA RTIME
16A2:4A 420 LSR A
16A3:4A 421 LSR A
16A4:A8 422 TAY
16A5:AD B9 12 423 LDA PASS
16AB:AE 30 00 424 LDX SPEAKER
16AB: 425 DRIVE EQU *
16AB:AA 426 TAX
16AC:CA 427 DODEX DEX
16AD:10 ED 428 BPL DODEX
16AF:88 429 DEY
16B0:D0 F9 430 BNE DRIVE
16B2:E6 F1 431 INC TIME1
16B4:AD 30 C0 432 CPUS, DOLDA SPEAKER
16B7:A5 F1 433 LDA TIME1BOX
16B9:29 07 434 AND #7
16BB:F0 D2 435 BEQ OTHRNOISE

16BB:FO 02 435 BEQ OTHRNOSE
 16BH:AD B0 12 436 LDA RTIME
 16C0: 437 ;ADC TIME3 00 00 180 ГРА ВО
 16C0: 438 ;SBC TIME5
 16C0:00 DD 439 ;ADC TIME7 00 00 180
 16C0:00 E0 440 ;SBC TIME1 00 00 180
 16C0:30 00 441 ;ADC TIME11 00 00 180
 16C0:ED B5 12 442 SBC TIME13A
 16C3:6D B6 12 443 ADC TIME17
 16C6:BD B0 12 444 3898 STA DTIME 00 00 180 ГРА DALBX X
 16C9: 445 ;LDA SPEAKERBD *
 16C9:40 9F 16 446 JMP DONOISER
 16CC:00 E0 447 SWHITE3 EQU *#E0
 16CC:B1 E6 448 LDA (Z1COUNT),Y
 16CE:E6 E6 449 Z1BO 01 INC Z1COUNT
 16D0:00 02 450 BNE ZWHZ
 16D2:E6 E7 451 BXFSIDE INC Z1COUNT+1
 16D4:00 452 ZWHZ EQU *
 16D4:8D B3 12 453 STA NOITIMER
 16D7:A9 FF 454 LDA #FF ПУНКТЫ СОБЫТИЙ ОИМ
 16D9:8D B2 12 455 STA NOIFLAG
 16DC:68 AD 1C 456 PLA BXLBX X
 16DD:68 457 GE LDHPL PLA
 16DE:AD B9 12 458 LDA PASSBX
 2020:00 00 459 LDW #1E
 2031:BD AD 1C 460 TOS CLEAR ГРА BXIBP X
 2030: 461 ;LDW 00 00 T0A BE 0 ОБЩЕЛЬ
 16E1:29 0F 462 AND #\$F
 16E8:0A 463 ASL A
 16E4:0A 464 ASL A
 16E5:0A 00 3A 465 ASL A
 16E6:8D B9 12 466 B100MMI STA PASS
 16E9:4C 9F 16 467 LDW 00 00 JMS NXTNOISE
 16EC:00 2F 468 SUBTBL1 DWMM \$2FOO
 16EE: 469 LDW 00 00 DSA #1FOO-*
 1F00:FE 1F 470 SOUNDS DW \$1FFE ОГЛЯДЫ
 2000:60 00 471 TUNE EQU \$2000
 1F02:00 00 472 DSC \$1FFE-*
 1FFE:00 2F 473 DWS \$2FOO
 2000:62 00 474 LDW TUNEHT
 2000:60 00 1B 475 LDW 00 00
 *** SUCCESSFUL ASSEMBLY: NO ERRORS
 2000:62 BD 32 STA HTBO X
 2000:60 00 14 SBC #F5
 2000:38 00 SEC
 2000:60 00 1B 476 LDW ДЕНЬHT
 2000:60 00 90 SPC
 2000:60 00 91 SEC ОКНИДХ
 2000:60 00 92 SDA #0
 2000:60 00 92 ГРА ФСДИЗА
 2000:60 1A 20 MMN СОБЫТИЙ ОИМ
 2002:10 20 SPC
 2000:60 00 20 SEC ВРЕМ
 2000:60 00 20 ГРА ВСЕДВЕДХ
 2000:60 00 20 SEC ВСЕДВЕД
 2000:60 00 20 MMN #5
 2000:60 10 20 SEC ВС100ЛНО
 2000:60 00 21 SPC ВСЕСТА СЛОЖНО
 2000:60 00 20 MMN ВСЕСТА
 2000:60 00 20 ГРА ФРЕ
 2000:60 00 21 SPC ОПИНЬ
 2000:60 00 20 ГРА #F5
 2000:60 00 20 ГРА ДЕНЬ
 2000:60 00 20 SEC ОВИДХ ЕГО

1009	APPLEGO	14FA	CHKEMA	15DA	CHKPdns	?168F	CKNSTOP
15FE	DOCHDOWN	16AC	DODEX	14FA	DOEMA	14AF	DOKEY
1556	DOMYLOOP	169F	DONOISER	1536	DONOTES	16AB	DRIVE
1618	DUNGNEG	157F	ENDLOOP	?1117	ENDPWTB	1697	EXITGOER
1249	EXITWAVE	1508	GODOIT	1022	GONOTE	1419	GOTUNEX
?1407	GOTUNE	162E	HOLDROT	1685	HROK1	1000	INIT
1008	LENADJ	1600	NEGPWD	?14E5	NEXTBYT	150B	NEXTGOON
1432	NEXTNGO	1430	NEXTNOTE	1200	NEXTWAVE	12B2	NOIFLAO
12B3	NOTIMER	15F3	NONEPWD	14E3	NORETS	E0	NOTECOUNT
1275	NOTETBL	1014	NOUT	?1694	NXTNGOER	169F	NXTNOISE
1022	NXTNOTE	?1259	OCTAVE	106A	OCTLOOP	?108E	OCTNEW
ED	OCTUPUS	?1467	OINKT11	1443	OINKT3	?1449	OINKT5
?144F	OINKT7	15E4	OK1PWD0	153E	OKR2	1548	OKB3
14EB	OKBYT	10FE	OKDOZW	110E	OKDOZW2	1588	OKENDL
1643	OKIZS	14AA	OKKEY1	10B1	OKLEN1	10A3	OKLEN2
?10AB	OKLEN3	10F3	OKPWC1	104F	OKQUIKS	10C6	OKSC1
?10C6	OKSC2	?10B7	OKSCNT2	148C	OKTINY	155C	OKZ11
?1560	OKZ12	159F	OKZ13	15B7	OKZ14	14D1	OKZ1AOK
?156F	OKZ1NL	10E9	OKZ1SB1	1250	OLL1	25	ORGPI
168F	OTHRNOSE	1091	OUTOCTLOOP	1221	OUTWL1	12B9	PASS
1659	PGSB1	?1267	PTBL	12AD	PWDELTA	10DE	PWOVER1
12AB	PWVALUE	12B1	QUIK	12AF	RESTER	12B0	RTIME
1007	SAVECOUNT	1628	SBOTHPW	1619	SCLEARPW	15BB	SDOPWD
154B	SL0OPCNT	154C	SLOOP	12B7	SOUNDORG	1F00	SOUNDS
C030	SPEAKER	1529	SREST	1675	SRETS	1630	SROTS
15A3	SSETPWD	158B	SSETPW	1577	STARTLOOP	1686	STOGLQUIK
150E	SUBS	16EC	SUBTBL	16CC	SWHITE	? F7	TEMP
F5	TEMPERARY	10CE	TESTPWOVER	12B4	TIME11	12B6	TIME17
F1	TIME1	12B5	TIME13	F3	TIME3	F2	TIME5
F4	TIME7	EC	TIMEFACT	128F	TIMETBL	2000	TUNE
?1406	TUNOTE	1490	WAITGO	1495	WAITGOX	1236	WAVEOK
?1249	WAVEOUT	1211	WL1	1239	WL2	E2	Z1COMP
E6	Z1COUNT	E8	Z1WAVE	E4	Z2COMP	EA	Z2WAVE
?1017	ZGO1	16D4	ZWHZ				

25 ORGF1	E0 NOTECOUNT	E2 Z1COMP	E4 Z2COMP
E6 Z1COUNT	E8 Z1WAVE	EA Z2WAVE	EC TIMEFACT
ED OCTUPUS	F1 TIME1	F2 TIME5	F3 TIME3
F4 TIME7	F5 TEMPERARY	? F7 TEMP	1000 INIT
1007 SAVECOUNT	1008 LENADJ	1009 APPLEGO	1014 NOUT
?1017 ZG01	1022 NXTNOTE	1022 GONOTE	104F OKQUIKS
106A OCTLOOP	?108E OCTNEW	1091 OUTOCTLOOP	10A3 OKLEN2
?10AB OKLEN3	10B1 OKLEN1	?10B7 OKSCNT2	10C6 OKSCI
?10C6 OKSC2	10CE TESTPWOVER	10DE PWOVER1	10E9 OKZ1SB1
10F3 OKPWC1	10FE OKDOZW	110E OKDOZW2	?1117 ENOPWTH
1200 NEXTWAVE	1211 WL1	1221 OUTWL1	1236 WAVEOK
1239 WL2	?1249 WAVEOUT	1249 EXITWAVE	1250 OL1
?1259 OCTAVE	?1267 PTBL	1275 NOTETBL	128F TIMETBL
12AB PWVALUE	12AD PWDELTA	12AF RESTER	12B0 RTIME
12B1 QUIK	12B2 NOIFLAG	12B3 NOTIMER	12B4 TIME11
12B5 TIME13	12B6 TIME17	12B7 SOUNDORG	12B9 PASS
?1406 TUNOTE	?1407 GOTUNE	1419 GOTUNEX	1430 NEXTNOTE
1432 NEXTNGO	1443 OINKT3	?1449 OINKT5	?144F OINKT7
?1467 OINKT11	148C OKTINY	1490 WAITGO	1495 WAITGOX
14AA OKKEY1	14AF DOKEY	14D1 OKZ1AOK	14E3 NORETS
?14E5 NEXTBYT	14EB OKBYT	14FA DOEMA	14FA CHKEMA
1508 GODOIT	150B NEXTGOON	150E SUBS	1529 SREST
1536 DONOTES	153E OKB2	1548 OKB3	154B SLOOPCNT
154C SLOOP	1556 DOMYLOOP	155C OKZ11	?1560 OKZ12
?156F OKZ1NL	1577 STARTLOOP	157F ENDLOOP	1588 OKENDL
158B SSETPW	159F OKZ13	15A3 SSETPWD	15B7 OKZ14
15BB SDOPWD	15DA CHKPdns	15E4 OK1PWD0	15F3 NONEGPWD
15FE DOCHDOWN	1600 NIEGPWD	1618 DUNGNEG	1619 SCLEARPW
1628 SBOTHPW	162E HOLDROT	1630 SROTS	1643 OKIZS
1659 PGSB1	1675 SRETS	1685 HRDK1	1686 STOGLQUIK
168F OTHRNOSE	?168F CKNSTOP	?1694 NXTNGOER	1697 EXITGOER
169F NXTNONSE	169F DONOISER	16AB DRIVE	16AC DODEX
16CC SWWHITE	16D4 ZWHZ	16EC SUBTBL	1FOO SOUNDS
2000 TUNE	C030 SPEAKER		