

IMAGE NUMBER 1

1PR#0

SOURCE FILE: ASS2

SOURCE FILE: ASSCTL

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00001      1 ;APPLE.SOUND
00001      2 ;P.P.
00001      3 ;SLIDE.9/13/85
00001      4 SPEAKER EQU $C030
00001      5 DSECT
00E01      6 ORG $E0
00E01      7 NOTECOUNT DS 2
00E21      8 Z1COUNT DS 2
00E41      9 TEMPERRY DS 2
00001      10 DEND

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---- NEXT OBJECT FILE NAME IS ASS2.OBJO

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10001      11 ORG $1000
10001AD 10 C0 12 LDA $C010
10031AD AD 15 13 JMP WAITGO
10061A9 FF 14 INIT LDA #$FF
10081B5 E0 15 STA NOTECOUNT
100A14C 30 10 16 JMP APPLEGO
t669930^~xOff~<30838a9eef60a970d5of f03
100E1      18 Z1COMP DS 2
10101      19 Z2COMP DS 2
10121      20 Z1WAVE DS 2 ;OCT. ADJ. PULSE. WIDTH
10141      21 Z2WAVE DS 2
10161      22 TIMEFACT DS 1
10171      23 OCTUPUS DS 4
101B1      24 TIME1 DS 1
101C1      25 TIMES DS 1
101D1      26 TIME3 DS 1
101E1      27 TIME7 DS 1
101F1      28 TEMP DS 1
10201      29 LENADJ DS 1
1021100 00 00 30 SLPUTE DFB 0,0,0
1024100    31 SVOLDINDEX DFB 0
1025100    32 OCTMINUS1 DFB 0
1026100    33 FIRSTSLID DFB 0
1027100 00 00 34 OLDCOMP DFB 0,0,0

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102A100 00 35 STIMEFACT DFB 0,0
102C100    36 AMTSIGN DFB 0
102D100    37 AMTANDOUT DFB 0

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102E100 00 38 AMTWORK DFB 0,0
10301      39 APPLEGO EQU *

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10301AD 00 C0 40 LDA $C000
10331C9 9B 41 CMP #9B
10351D0 04 42 BNE NOUT
10371AD 10 C0 43 LDA $C010

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103A160    44 RTS
103B1      45 NOUT EQU *
103B1AD 10 C0 46 LDA $C010

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103E1E6 E0 47 ZG01 INC NOTECOUNT
10401A5 E0 48 LDA NOTECOUNT
10421C9 0C 49 CMP #12

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10441D0 03 50 BNE NXTNOTE

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1041:45 E0	48	LDA	NOTECOUNT
1042:49 0C	49	CMP	#12
1044:00 03	50	BNE	NXTNOTE
1046:4C 06 10	51	JMP	INIT
1049:	52	NXTNOTE	EQU *

3~3FO

1049:	53	GONOTE	EQU *
1049:A5 E0	54	LDA	NOTECOUNT
104B:	55	;GET NOTE IN OCTAVE	
104B:29 0F	56	AND	#\$F
104D:0A	57	ASL	A
104E:AA	58	TAX	
104F:BD 87 14	59	LDA	NOTETBL,X
1052:8D 0E 10	60	STA	Z1COMP
1053:BD 88 14	61	LDA	NOTETBL+1,X
1058:8D 0F 10	62	STA	Z1COMP+1
105B:AD 01 15	63	LDA	SLIDFLAG
105E:FO 0D	64	BEQ	DOWIDTH
1060:A9 00	65	LDA	#0
1062:8D 12 10	66	STA	Z1WAVE
1065:BD 13 10	67	STA	Z1WAVE+1
1068:8D 26 10	68	STA	FIRSTSLID
106B:FO 0C	69	BEQ	DIDPWVAL
106D:	70	DOWIDTH	EQU *
106D:AD F2 14	71	LDA	PWVALUE
1070:8D 12 10	72	STA	Z1WAVE
1073:AD F3 14	73	LDA	PWVALUE+1
1076:8D 13 10	74	STA	Z1WAVE+1
1079:	75	DIDPWVAL	EQU *
1079:BD A1 14	76	LDA	TIMETBL,X
107C:8D 17 10	77	STA	OCTUPUS
107F:BD A2 14	78	LDA	TIMETBL+1,X
1082:8D 18 10	79	STA	OCTUPUS+1
1085:AD F8 14	80	LDA	QUIK
1088:FO 06	81	BEQ	OKQUIKS
108A:4F 18 10	82	LSR	OCTUPUS+1
108D:6E 17 10	83	ROR	OCTUPUS
1090:	84	OKQUIKS	EQU *
1090:A9 00	85	LDA	#0
1092:8D 20 10	86	STA	LENADJ
1095:8D 19 10	87	STA	OCTUPUS+2
1098:8D 1A 10	88	STA	OCTUPUS+3
109B:A5 E0	89	LDA	NOTECOUNT
109D:4A	90	LSR	A
109E:4A	91	LSR	A
109F:4A	92	LSR	A
10A0:4A	93	LSR	A
10A1:09 FO	94	ORA	#\$FO
10A3:18	95	CLC	
10A4:69 0B	96	ADC	#11
10A6:AA	97	TAX	
10A7:8E 0D 10	98	STX	SAVECOUNT
10AA:CE 0D 10	99	DEC	SAVECOUNT
10AD:	100	OCTLOOP	EQU *
10AD:4E 0F 10	101	LSR	Z1COMP+1
10B0:6E 0E 10	102	ROR	Z1COMP
10B3:4E 13 10	103	LSR	Z1WAVE+1
10B6:6E 12 10	104	ROR	Z1WAVE
10B9:CA	105	DEX	
10RA:30 1D	106	RM1	OUTOCTILOOP
10BC:EC 0D 10	107	CPX	SAVECOUNT
10BF:FO EC	108	BEQ	OCTLOOP
10C1:0E 17 10	109	ASL	OCTUPUS
10C4:2E 18 10	110	ROL	OCTUPUS+1
10C7:2E 19 10	111	ROL	OCTUPUS+2
10CA:3E 1A 10	112	ROL	OCTUPUS+3

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10CA:2E 1A 10	112	ROL	OCTUPUS+3
10CB:AD 20 10	113	LDA	LENADJ
10D0:18	114	CLC	
10D1:69 16	115	ADC	#22

ff

10D3:BD 20 10	116	STA	LENADJ
10D6:4C AD 10	117	JMP	OCTLOOP
10D9:	118	EQU	*
10D9:AD 17 10	119	LDA	OCTUPUS
10DC:F0 06	120	BEQ	DOOCT1ER
10DE:38	121	SEC	
10DF:ED 20 10	122	SBC	LENADJ
10E2:80 2B	123	BCS	OKLEN1
10E4:	124	EQU	*
10E4:AD 18 10	125	LDA	OCTUPUS+1
10E7:08	126	PHP	
10E8:CE 18 10	127	DEC	OCTUPUS+1
10EB:28	128	PLP	
10EC:F0 02	129	BEQ	OKLEN2
10EE:00 1F	130	BNE	OKLEN1
10F0:	131	OKLEN2	EQU *
10F0:AD 19 10	132	LDA	OCTUPUS+2
10F3:08	133	PHP	
10F4:CE 19 10	134	DEC	OCTUPUS+2
10F7:28	135	PLP	
10F8:D0 15	136	BNE	OKLEN1
10FA:	137	OKLEN3	EQU *
10FA:AD 1A 10	138	LDA	OCTUPUS+3
10FD:D0 0D	139	BNE	OKOCT3
10FF:A9 00	140	LDA	#0
1101:BD 18 10	141	STA	OCTUPUS+1
1104:BD 19 10	142	STA	OCTUPUS+2
1107:BD 17 10	143	STA	OCTUPUS
110A:F0 03	144	BHQ	OKLEN1
110C:	145	OKOCT3	EQU *
110C:CE 1A 10	146	DEC	OCTUPUS+3
110E:	147	OKLEN1	EQU *
110E:EE 18 10	148	INC	OCTUPUS+1
1112:EE 19 10	149	INC	OCTUPUS+2
1115:EE 1A 10	150	INC	OCTUPUS+3
1118:	151	OKSCNT2	EQU *
1118:	152	;ADJUST FOR. LOOP, HOUSEKEEPING. TIME	
1118:AD 0E 10	153	LDA	Z1COMP
111B:38	154	SEC	
111C:E9 04	155	SBC	#4
111E:BD 0E 10	156	STA	Z1COMP
1121:BD 08	157	BCS	OKSC1
1123:AD 0F 10	158	LDA	Z1COMP+1
1126:F0 03	159	BHQ	OKSC1
1128:CE 0F 10	160	DEC	Z1COMP+1
112B:	161	OKSC1	EQU *
112B:	162	OKSC2	EQU *
112B:AD 0E 10	163	LDA	Z1COMP
112E:BD 10 10	164	STA	Z2COMP
1131:AD 0F 10	165	LDA	Z1COMP+1
1134:BD 11 10	166	STA	Z2COMP+1
1137:	167	;DO. PULSE. WIDTH	
1137:	168	;JMP ENDPWTH	
1137:	169	TESTPWOVER EQU *	
1137:AD 13 10	170	LDA	Z1WAVE+1
113A:CD 0F 10	171	CMP	Z1COMP+1
113D:90 28	172	BCC	OKPWCR
113F:D0 0A	173	BNE	PWOVER1
1141:AD 12 10	174	LDA	Z1WAVE
1144:CD 0E 10	175	CMP	Z1COMP

1144:AD 0E 10 175 CMP Z1COMP
1147:90 1E 176 BCC OKPWC1
1149:FO 1C 177 BEQ OKPWC1
114B:AD 12 10 178 PWOVER1 LDA Z1WAVE

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114E:38 179 SEC
114F:ED 0E 10 180 SBC Z1COMP
1152:8D 12 10 181 STA Z1WAVE
1155:BO 03 182 BCS OKZ1SB1
1157:CE 13 10 183 DEC Z1WAVE+1
115A:AD 13 10 184 OKZ1SB1 LDA Z1WAVE+1

115D:38 185 SEC
115E:ED 0F 10 186 SBC Z1COMP+1
1161:8D 13 10 187 STA Z1WAVE+1
1164:4C 37 11 188 JMP TESTPWOVER
1167: 189 OKPWC1 EQU *

1167:AD 0E 10 190 LDA Z1COMP

116A:38 191 SEC
116B:ED 12 10 192 SBC Z1WAVE
116E:8D 0E 10 193 STA Z1COMP
1171:BO 03 194 BCS OKDOZW
1173:CE 0F 10 195 DEC Z1COMP+1
1176:AD 0F 10 196 OKDOZW LDA Z1COMP+1

1179:38 197 SEC
117A:ED 13 10 198 SBC Z1WAVE+1
117D:8D 0F 10 199 STA Z1COMP+1

1180:AD 10 10 200 LDA Z2COMP
1183:18 201 CLC
1184:AD 12 10 202 ADC Z1WAVE
1187:90 03 203 BCC OKDOZW2
1189:EE 11 10 204 INC Z2COMP+1
118C:8D 10 10 205 OKDOZW2 STA Z2COMP

118E:AD 11 10 206 LDA Z2COMP+1
1192:18 207 CLC
1193:6D 13 10 208 ADC Z1WAVE+1
1196:8D 11 10 209 STA Z2COMP+1
1199: 210 ;END. DO.PULSE.WIDTH

1199: 211 ENDPWTH EQU *

1199:EE 0E 10 212 INC Z1COMP
119C:EE 10 10 213 INC Z2COMP
119F:EE 0F 10 214 INC Z1COMP+1
11A2:EE 11 10 215 INC Z2COMP+1
11A5:AD 01 15 216 DOZSLIDE LDA SLIDFLAG

11AB:FO 28 217 BEQ TONOZSLIDE

11AA:AD 26 10 218 LDA FIRSTSLID
11AD:FO 26 219 BEQ TOSAVSLIDE

11AE:A2 00 220 AMONGSLIDE LDX #0

11B1:AD 00 C0 221 LDA #\$0000
11B4:C9 9B 222 CMP #\$9B
11B6:D0 03 223 BNE NOTESCSL

11B8:4C 3F 15 224 JMP NEXTNOTE

11BB:CE 02 15 225 NOTESCSL EQU *

11BB:CE 02 15 226 DEC SNUM

11BE:AD 02 15 227 LDA SNUM

11C1:C9 FF 228 CMP #\$FF

11C3:D0 19 229 BNE OKSLNUM

11C5:CE 03 15 230 DEC SNUM+1

11C8:AD 03 15 231 LDA SNUM+1

11CB:C9 FF 232 CMP #\$FF

11CB:D0 0F 233 BNE OKSLNUM

11CF:4C 3F 15 234 JMP NEXTNOTE

11D2:4C 75 13 235 TONOZSLIDE JMP NOZSLIDE

11D5:CE 26 10 236 TOSAVSLIDE DEC FIRSTSLID

11D8:D0 25 10 237 STA OCTMINUS1

11DB:4C 03 13 238 JMP SAVSLIDE

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11DB:4C	03	13	238	JMP	SAVSLIDE
11DE:AD	04	13	239	LDA	PUSSY
11E1:8D	17	10	240	STA	OCTUPUS
11E4:AD	05	15	241	LDA	PUSSY+1

11E7:8D	18	10	242	STA	OCTUPUS+1
11EA:AD	06	15	243	LDA	PUSSY+2
11ED:8D	19	10	244	STA	OCTUPUS+2
11F0:AD	07	15	245	LDA	PUSSY+3
11F3:8D	1A	10	246	STA	OCTUPUS+3
11F6:AD	09	15	247	LDA	SAMT
11F9:OD	0A	15	248	ORA	SAMT+1
11FC:D0	12		249	BNE	OKAMTSNZ
11FE:8D	2F	10	250	STA	AMTWORK+1

1201:A2	01		251	LDX	#1
1203:AD	2C	10	252	LDA	AMTSIGN
1206:10	02		253	BPL	STRAMT
1208:A2	FF		254	LDX	#\$FF
120A:8E	2E	10	255	STRAMT	STX
120D:4C	22	12	256	JMP	DIDAMT

1210:AD	0A	15	257	OKAMTSNZ	LDA
1213:OD	2C	10	258	ORA	AMTSIGN
1216:2D	2D	10	259	AND	AMTANDOUT
1219:8D	2F	10	260	STA	AMTWORK+1
121C:AD	09	15	261	LDA	SAMT
121E:8D	2E	10	262	STA	AMTWORK
1222:AD	27	10	263	DIDAMT	LDA
1225:18			264	CLC	
1226:60	2E	10	265	ADC	AMTWORK
1229:8D	0E	10	266	STA	Z1COMP
122C:AD	28	10	267	LDA	OLDCOMP+1
122E:6D	2F	10	268	ADC	AMTWORK+1
1232:6D	0F	10	269	STA	Z1COMP+1
1235:D0	18		270	BNE	NOSLUNDER
1237:AD	0E	10	271	LDA	Z1COMP
123A:C9	20		272	CMP	#\$20
123C:B0	24		273	BCS	LIMALRIGHT
123E:AD	2C	10	274	LDA	AMTSIGN

1241:10	15		275	BPL	SETSLUP
1243:A7	FF		276	SETSLOWDOWN	LDA
1245:8D	0E	10	277	STA	Z1COMP
1248:A9	07		278	LDA	#\$7
124A:8D	0F	10	279	STA	Z1COMP+1
124D:D0	13		280	BNE	LIMALRIGHT

124F:C9	08		281	NOSLUNDER	CMP
1251:90	0F		282	BCC	LIMALRIGHT
1253:AD	2C	10	283	LDA	AMTSIGN
1256:30	EB		284	BMI	SETSLOWDOWN
1258:A9	00		285	SETSLOWDOWN	LDA
125A:8D	0F	10	286	STA	Z1COMP+1

125D:A9	1F		287	LDA	#\$1F
125F:8D	0E	10	288	STA	Z1COMP
1262:AD	27	10	289	LIMA	LIMALRIGHT
1265:8D	21	10	290	STA	OLDCOMP

1268:AD	28	10	291	LDA	OLDCOMP+1
126B:8D	22	10	292	STA	OLDCOMP+1

126E:20	D3	14	293	JSR	GETSLINDEX
1271:8E	24	10	294	STX	SVOLDINDEX
1274:AD	0E	10	295	LDA	Z1COMP

1277:8D	21	10	296	STA	OLDCOMP
127A:AD	0F	10	297	LDA	Z1COMP+1
127D:8D	22	10	298	STA	OLDCOMP+1

1280:20	D3	14	299	JSR	GETSLINDEX
1283:8A			300	TXA	
1284:38			301	SEC	

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1283:47		300	TAX	
1284:39		301	SEC	
1285:ED	24	10	302	SBC SVOLDINDEX
1288:80	21	10	303	STA SLPUTE
128B:AA			304	TAX
027~				
128C:AD	21	10	305	LDA SLPUTE
128F:10	06		306	BPL PUTEOK
1291:49	FF		307	EDR ##FF
1293:18			308	CLC
1294:69	01		309	ADC #1
1296:AA			310	TAX
1297:AD	21	10	311	PUTEOK LDA SLPUTE
129A:30	17		312	BMI SLLEFT
129C:F0	2C		313	BEQ SAVSLXX
129E:CA			314	RSLROT DEX
129F:30	29		315	BMI SAVSLXX
12A1:4E	1A	10	316	LSR OCTUPUS+3
12A4:6E	19	10	317	ROR OCTUPUS+2
12A7:6E	18	10	318	ROR OCTUPUS+1
12A9:6E	17	10	319	ROR OCTUPUS
12AD:6E	25	10	320	ROR OCTMINUS1
12B0:4C	9E	12	321	JMP RSLROT
12B3:F0	15		322	SLLEFT BEQ SAVSLXX
12B5:CA			323	XLLEFT DEX
12B6:30	12		324	BMI SAVSLXX
12B8:0E	25	10	325	ASL OCTMINUS1
12BB:2E	17	10	326	ROL OCTUPUS
12BE:2E	18	10	327	ROL OCTUPUS+1
12C1:2E	19	10	328	ROL OCTUPUS+2
12C4:2E	1A	10	329	ROL OCTUPUS+3
12C7:4C	B5	12	330	JMP XLLEFT
12CA:AD	17	10	331	SAVSLXX LDA OCTUPUS
12CD:8D	04	15	332	STA PUSSY
12D0:AD	18	10	333	LDA OCTUPUS+1
12D3:8D	05	15	334	STA PUSSY+1
12D6:AD	19	10	335	LDA OCTUPUS+2
12D9:8D	06	15	336	STA PUSSY+2
12DC:AD	1A	10	337	LDA OCTUPUS+3
12DF:8D	07	15	338	STA PUSSY+3
12E2:AD	18	10	339	LDA OCTUPUS+1
12E5:D0	03		340	BNE OKSOK1
12E7:EE	18	10	341	INC OCTUPUS+1
12EA:AD	19	10	342	LDA OKSOK1
12EB:D0	03		343	BNE OKSOK2
12EF:EE	19	10	344	INC OCTUPUS+2
12F2:AD	1A	10	345	LDA OKSOK2
12F5:D0	03		346	BNE OKSOK3
12F7:EE	1A	10	347	INC OCTUPUS+3
12FA:AD	2A	10	348	LDA STIMEFACT
12FD:8D	16	10	349	STA TIMEFACT
1300:4C	4D	13	350	JMP SVDPUSS
1303:AD	0A	15	351	SAVSLIDE LDA SAMT+1
1306:29	80		352	AND ##80
1308:F0	0C		353	REQ POSITION
130A:A9	FC		354	LDA ##FC
130C:3D	2C	10	355	STA AMTSIGN
130F:A9	FF		356	LDA ##FF
1311:8D	2D	10	357	STA AMTANDOUT
1314:D0	08		358	BNE DONESIGN
1316:8D	2C	10	359	POSITION STA AMTSIGN
1319:A9	03		360	LDA ##3
131B:8D	2D	10	361	STA AMTANDOUT
131E:AD	16	10	362	DONESIGN LDA TIMEFACT
1321:8D	2A	10	363	STA STIMEFACT
1324:08	00		364	LDO ##0

1321:8D 2H 10 363 STA STIMEFACT
1324:A9 00 364 LDA #\$0
1326:8D 29 10 365 STA STIMEFACT-1
1329:8D 2B 10 366 STA STIMEFACT+1
132C:AD 17 10 367 LDA OCTUPUS

132E:8D 04 15 368 STA PUSSY
1332:AD 18 10 369 LDA OCTUPUS+1
1335:8D 05 15 370 STA PUSSY+1

1338:AD 19 10 371 LDA OCTUPUS+2
133B:8D 06 15 372 STA PUSSY+2
133E:AD 1A 10 373 LDA OCTUPUS+3

1341:8D 07 15 374 STA PUSSY+3
1344:CE 05 15 375 DEC PUSSY+1
1347:CE 06 15 376 DEC PUSSY+2

134A:CE 07 15 377 DEC PUSSY+3
134D:AD 01 378 SVIPPUSS LDY #1

134F:AD 05 10 379 LDA Z1COMP
1352:8D 27 10 380 STA OLDCOMP
1355:F0 05 381 BEQ WHOOPSVP

1357:8D 10 10 382 STA Z2COMP
135A:D0 06 383 BNE NXTSVDPUSS

135C:8C 10 10 384 WHOOPSVP STY Z2COMP
135E:RC 0E 10 385 STY Z1COMP

1362:AD 0F 10 386 NXTSVDPUSS LDA Z1COMP+1
1365:8D 28 10 387 STA OLDCOMP+1

1368:F0 05 388 BEQ NXZSAVEP
136A:8D 11 10 389 STA Z2COMP+1
136D:D0 06 390 BNE NOZSLIDE

13AF:8C 0F 10 391 NXZSAVEP STY Z1COMP+1
1372:8C 11 10 392 STY Z2COMP+1

1375: 393 NOZSLIDE EQU *
1375: 394 ;

1375: 395 ;

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1375: 397 ;

1375: 398 ;

1375: 399 ;

1375:AE F6 14 400 LDX RESTER

1378:4C 00 14 401 JMP NEXTWAVE

007B: 402 DRGP1 EQU >*

137B: 403 DS 256-DRGP1

1400: 404 NEXTWAVE EQU *

1400:AD 0E 10 405 LDA Z1COMP

1402:8D 12 10 406 STA Z1WAVE

1406:AD 10 10 407 LDA Z2COMP

1409:8D 14 10 408 STA Z2WAVE

140C:AD 0F 10 409 LDA Z1COMP+1

140F:8D 13 10 410 STA Z1WAVE+1

1412: 411 ;18

1412:EA 412 NOP

1413:8A 413 NOP

1414:BD 2F C0 414 LDA \$C02F,X ;SPEAKER

1417: 415 ;24,CCS

1417:CE 12 10 416 WL1 DEC Z1WAVE

141A:D0 FB 417 BNE WL1

141C:CE 13 10 418 DEC Z1WAVE+1

141F:F0 0B 419 BEQ OUTWL1

1421:CE 12 10 420 DEC Z1WAVE

1424:CE 12 10 421 DEC Z1WAVE

1427:CE 12 10 422 DEC Z1WAVE

142A:D0 EB 423 BNE WL1

142C: 424 OUTWL1 EQU *

142C: 425 ;17,OUT

142C:AD 11 10 426 LDA Z2COMP+1

142E:8D 15 10 427 STA Z2WAVE+1

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143F:8D 15 10 427 STA Z2WAVE+1
1432:AD 17 10 428 LDA OCTUPUS
1435:18 429 CLC
1436:ED 16 10 430 SBC TIMEFACT

1439:BD 17 10 431 STA OCTUPUS
143C:BO 0A 432 RCS WAVEOK
143E:CE 18 10 433 DEC OCTUPUS+1
1441:D0 05 434 BNE WAVEOK
1443:CE 19 10 435 DEC OCTUPUS+2
1446:FO 18 436 BEQ EXITWAVE
1448: 437 WAVEOK EQU *
1448:BD 2F C0 438 LDA \$C02F,X
1448: 439 :31,CCS

144B:CE 14 10 440 WL2 DEC Z2WAVE
144E:D0 FB 441 BNE WL2
1450:CE 15 10 442 DEC Z2WAVE+1
1453:FO AB 443 BEQ NEXTWAVE
1455:CE 14 10 444 DEC Z2WAVE
1458:CE 14 10 445 DEC Z2WAVE

145B:CE 14 10 446 DEC Z2WAVE
145E:D0 EB 447 BNE WL2

1440: 448 :17,OUT
1460: 449 WAVEOUT EQU *
1460: 450 EXITWAVE EQU *
1460:AD 01 15 451 LDA SLIDELAG
1463:FO 03 452 BEQ NONOSLIDE
1465:4C AF 11 453 JMP AMONGSLIDE
1448: 454 NONOSLIDE EQU *
1468:4C 3F 15 455 JMP NEXTNOTE
146B:01 02 03 456 OCTAVE DFB 1,2,3,4,5
144E:04 05

1470:06 07 08 457 DFB 6,7,8,9,10,11,12,13

1473:09 0A 0B

1476:0C 0D

1478:0E 458 DFB 14
1479:80 459 PTBL DFB \$80
147A:81 460 DER \$81
147B:82 461 DFB \$82
147C:83 462 DFB \$83
147D:84 463 DFB \$84
147E:85 464 DFB \$85
147F:86 465 DFB \$86
1480:87 466 DFB \$87

1481:88 467 DFB \$88
1482:89 468 DFB \$89
1483:8A 469 DFB \$8A
1484:8B 470 DFB \$8B
1485:8C 471 DFB \$8C
1486:8D 472 DFB \$8D

1487:2E FD 473 NOTETBL DW 64814
1489:F8 EE 474 DW 61176
148B:6F E1 475 DW 57743

148D:E6 D4 476 DW 54502
148F:F3 C8 477 DW 51443
1491:AC BD 478 DW 48556

1493:06 83 479 DW 45830
1495:FA A8 480 DW 43258
1497:7E 9F 481 DW 40830

1499:8B 96 482 DW 38539
149B:18 8E 483 DW 36376
149D:1E 86 484 DW 34334

149F:97 7E 485 DW 32407
14A1: 486 TIMETBL EQU *

14A1:20 00 487 DW > 21*2

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14A1:00	486	TIME1BL	EQ	*
14A1:2A 00	487	DW	21*2	
14A3:2C 00	488	DW	22*2	
14A5:2E 00	489	DW	23*2	
14A7:30 00	490	DW	24*2	

14A9:32 00	491	DW	25*2	
14AB:34 00	492	DW	26*2	
14AD:36 00	493	DW	27*2	

14AF:38 00	494	DW	28*2	
14B1:3A 00	495	DW	29*2	
14B3:3C 00	496	DW	30*2	

14B5:3E 00	497	DW	31*2	
14B7:40 00	498	DW	32*2	
14B9:42 00	499	DW	33*2	

14BB:44 00	500	DW	34*2	
14BD:46 00	501	;		
14BD:10 00 20	502	SLCOMPARE DFB	\$10,0,\$20,0,\$80,0,0,1,0,2,0,4,0,8,0,\$10,0,\$20,0,	

4C0:00 B0 00				
4C3:00 01 00				
4C6:02 00 04				

14C9:00 08 00				
14CC:10 00 20				
14CE:00 40 00				

14D2:80				
14D3:42 0B	503	;		
14D3:42 0B	504	GETSLINDEX LDX #11		

14D5:40 16	505	LDY #122		
14D7:4D 22 10	506	GETSLXL LDA SLPUTE+1		
14DA:49 BE 14	507	CMP SLCOMPARE+1,Y		
14DD:40 04	508	BEQ CHKLLOWSL		
14DF:40 0F	509	BCS GOTSLXP		
14E1:40 08	510	BCC NXTSLXP		

14E3:AD 21 10	511	CHKLLOWSL LDA SLPUTE		
14E6:D9 B0 14	512	CMP SLCOMPARE,Y		
14E9:B0 05	513	BCS GOTSLXP		

14EB:CA	514	NXTSLXP DEX		
14EC:88	515	DEY		
14ED:88	516	DEY		

14EE:10 E7	517	BNE GETSLXL		
14F0:16 00	518	GOTSLXP RTS		
14F1:46 00	519	;		

14F1:46 00	520	;		
14F1:46 00	521	CHN ASSCTL		
14F1:46 00	1	;ASSCTL		

14F1:00	2	TSUBTBL DFB 0		
14F2:00	3	PWVALUE DS 2		
14F4:00	4	PWDELTA DS 2		

14F6:00	5	RESTER DS 1		
14F7:00	6	RTIME DS 1		
14F8:00	7	QUIK DFB 0		

14F9:00	8	NO1FLAG DFB 0		
14FA:00	9	NOITIMER DFB 0		
14FB:00	10	TIME11 DFB 0		

4FC:00	11	TIME13 DS 1		12
4FD:00	12	TIME17 DS 1		11
4FE:00	13	SOUNDORG DS 2		10

1500:00	14	PASS DFB 0		9
1501:00	15	SLIDFLAG DS 1		8
1502:00 00	16	ENUM DFB 0,0		7

1504:00 00 00	17	PUSSY DFB 0,0,0,0,0		6
1507:00 00				5
1509:00 00 00	18	SAMT DFB 0,0,0		4

150C:00	19	IDS \$1800-*		3
150C:AD 10 CO	20	LDA \$C010		

150E:4C AD 15	21	IMP WAITOO		
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1512:          22 TUNOTE DS   1
1513:          23 GOTUNE EQU   *
1513:          24 ; *****
1513:          25 ; *****
1513:          26 ;>C>C<C>C<C<C<
1513:          27 ;>, AND, ONE, MORE, THING...
1513:          28 ;>, THE, WORD, OF, STORAGE, "SUBTBL"
1513:          29 ;>, MUST, HOLD, THE, RELOCATABLE
1513:          30 ;>, ADDRESS, OF, THE, SUBTABLE, NOW
1513:          31 ;>, THIS, IS, FIRST, 2, BYTES, OF,
1513:          32 ;>, MUSIC!!!!!!!
1513:          33 ;>>>>>>>>>>>
1513:A9 00      34     LDA   #0
1515:80 FE 14    35     STA   SOUNDORG
1518:A9 20      36     LDA   #20
51A:80 FF 14    37     STA   SOUNDORG+1
51D:            38 ; *****
51D:            39 ;*, CURRENTLY, AT, $2000
151D:            40 ; *****
151D:A9 00      41     LDA   #<TUNE
151E:85 E2      42     STA   Z1COUNT
521:A9 20      43     LDA   #<TUNE
523:85 E3      44     STA   Z1COUNT+1
525:            45 ; *****
1525:            46 ;*, Z1COUNT, IS, WHERE, ABSOLUTE,
1525:            47 ;*, ADDRESS, OF, CURRENT, SOUND, IS
1525:            48 ; *****
1525:            49 GOTUNEX EQU   *
1525:A9 00      50     LDA   #0
1527:80 F2 14    51     STA   PWVALUE
152A:80 F3 14    52     STA   PWVALUE+1
152D:80 F4 14    53     STA   PWDELTA
1530:80 F5 14    54     STA   PWDELTA+1
1533:80 F8 14    55     STA   QUITK
1536:80 01 15    56     STA   SLIDFLAG
539:80 6B 16    57     STA   SLOOPCNT
153C:CE 6B 16    58     DEC   SLOOPCNT
153F:            59 NEXTNOTE EQU   *
153F:A0 00      60     LDY   #0
541:            61 NEXTNGO EQU   *
1541:A9 01      62     LDA   #1
543:80 F6 14    63     STA   RESTER
1546:EE 1B 10    64     INC   TIME1
1549:AD 1D 10    65     LDA   TIME3
154C:18          66     CLC
54D:69 1F          67     ADC   #31 ; AND #3
154F:D0 03          68     BNE   DINKT3
551:EE 1D 10    69     INC   TIME3
1554:AD 1C 10    70     LDA   TIME5
1557:69 05          71     ADC   #5
1559:80 1C 10    72     STA   TIME5
55C:            73 ;
55C:            74 ;
55C:            75 DINKT5 EQU   * ; INC TIME7
155C:AD 1E 10    76     LDA   TIME7
155F:69 07          77     ADC   #7
1561:80 1E 10    78     STA   TIME7
1564:D0 03          79     BNE   DINKT7
1566:EE 1E 10    80     INC   TIME7
569:            81 DINKT7 EQU   *
1569:AD FB 14    82     LDA   TIME11
156C:69 0B          83     ADC   #11
156E:80 FB 14    84     STA   TIME11
1571:AD FC 14    85     LDA   TIME13

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158C:39 CD	83	HLD	W2
158E:8D FR	14	STA	TIME11
1571:AD FC	14	LDA	TIME13
1574:69 33	86	ADC	#51
1576:8D FC	14	STA	TIME13

1579:AD FD	14	88	LDA	TIME17
157C:E9 11		89	SBC	#17
157E:8D FD	14	90	STA	TIME17

1581:		91	DINKT11	EQU *
1581:AD F7	14	92	LDA	RTIME
1584:EU 1B	10	93	SBC	TIME1
1587:6D 1B	10	94	ADC	TIME3
158A:ED 1C	10	95	SBC	TIME5
158D:6D 1E	10	96	ADC	TIME7

1590:ED FD	14	97	SBC	TIME17
1593:6D FB	14	98	ADC	TIME11
1596:6D FC	14	99	ADC	TIME13

1599:8D F7	14	100	STA	RTIME
159C:AD 00 CO	101		LDA	\$C000
159E:8D 11		102	BMI	WAITGOX

15A1:AD F9	14	103	LDA	NOIFLAG
15A4:F0 03		104	BEQ	OKTINY
15A6:4C D8	17	105	JMP	DONOISER

15A9:		106	OKTINY	EQU *
15A9:B1 E2		107	LDA	(Z1COUNT),Y
15AB:8D 53		108	BNE	NORETS

15AD:		109	WAITGO	EQU *
15AD:AD 00 CO	110		LDA	\$C000
15B0:10 FR		111	BPL	WAITGO
15B2:		112	WAITGOX	EQU *
15B2:48		113	PHA	
15B3:AD 10 CO	114		LDA	\$C010

15B6:68		115	PLA	
15B7:38		116	SEC	
15B9:E9 81		117	SBC	#\$81

15BA:90 F1		118	BCC	WAITGO
15BC:09 1A		119	CMP	#26
15BE:90 0C		120	BCC	DOKEY

15C0:E9 40		121	SBC	#\$40
15C2:09 19		122	CNP	#25
15C4:8D 01		123	BNE	OKKEY1

15C6:60		124	RTS	
15C7:90 03		125	OKKEY1	BCC DOKEY
15C9:		126	LDA	\$C010

15C9:4C AD	15	127	JMP	WAITGO
15CC:0A		128	DOKEY	ASL A
15CD:AA		129	TAX	

15CE:BD 00 1F		130	LDA	SOUNDS,X
15D1:85 E2		131	STA	Z1COUNT
15D3:8D 01 1F		132	LDA	SOUNDS+1,X

15D6:85 E3		133	STA	Z1COUNT+1
15D8:AD 00		134	LDY	#0
15DA:B1 E2		135	LDA	(Z1COUNT),Y

15DC:8D 51 18		136	STA	SUBTBL
15DF:C8		137	INY	
15E0:B1 E2		138	LDA	(Z1COUNT),Y

15E2:8D 52 18		139	STA	SUBTBL+1
15E5:A5 E2		140	LDA	Z1COUNT
15E7:18		141	CLC	

15E8:69 02		142	ADC	#2
15EA:90 02		143	BCC	OKZ1AOK
15EC:E6 E3		144	INC	Z1COUNT+1

15EE:85 E2		145	OKZ1AOK	STA Z1COUNT
15F0:A5 E2		146	LDA	Z1COUNT
15F2:8D FF	14	147	STA	SOUNDORG

15E2:8D FE	14	147	STA	SOUNDORG
15F5:A5 E3		148	LDA	Z1COUNT+1
15F7:8D FF	14	149	STA	SOUNDORG+1
15FA:AO 00		150	LDY	#0

15FC:4C 25 15	151	JMP	GOTUNEX
15FF:	152	;*****	
15FF:	153	;ALSO NEED RELOCATE SOUNDS	

15FF:	154	;AND SUBTBL	
15FF:	155	;*****	
15FF:	156	;	

15FF:60	157	RTS	
1600:30 53	158	NORETS	BMI DONOTES
1602:	159	NEXTBYT	EQU *

1602:E6 E2	160	INC	Z1COUNT
1604:D0 02	161	BNE	OKBYT
1606:E4 E3	162	INC	Z1COUNT+1

1608:	163	OKBYT	EQU *
1608:8D 00 15	164	STA	PASS
160B:C9 30	165	CMP	#930

160D:B0 19	166	BCS	NEXTGOON
160F: C9 20	167	CMP	#\$20
1611:90 04	168	BCC	CHKEMA

1613:A9 0B	169	LDA	#11
1615:D0 00	170	BNE	DOEMA
1617:	171	CHKEMA	EQU *

1617:	172	;CMP	#12
1617:	173	;BCS	NEXTNGO
1617:	174	DOEMA	EQU *

1617:0A	175	ASL	A
1618:AA	176	TAX	
1619:BD 2B 16	177	LDA	SUBS,X

161C:BD 26 16	178	STA	GODDIT+1
161F:BD 2C 16	179	LDA	SUBS+1,X
1622:BD 27 16	180	STA	GODDIT+2

1625:20 41 15	181	GODDIT	JSR NEXTNGO
1628:	182	NEXTGOON	EQU *
1628:4C 3F 15	183	JMP	NEXTNOTE

162B:00 00	184	SUBS	DW 0
162D:6C 16	185	DW	SLOOP
162E:AB 16	186	DW	SSETPW

1631:C8 16	187	DW	SSETPWD
1633:48 17	188	DW	SBOTHPW
1635:39 17	189	DW	SCLEARPW

1637:DB 16	190	DW	SDOPWD
1639:48 16	191	DW	SREST
163B:50 17	192	DW	SROTS

163D:95 17	193	DW	SRETS
163F:A6 17	194	DW	STOGLOQUIK
1641:09 18	195	DW	SWHITE

1643:29 18	196	DW	SSLIDE
1645:4C 41 15	197	JMP	NEXTNGO
1648:A9 00	198	SREST	LDA #0

164A:80 F6 14	199	STA	RESTER
164D:68	200	PLA	
164E:68	201	PLA	

164F:A9 C0	202	LDA	#\$C0
1651:85 EO	203	STA	NOTECOUNT
1653:00 03	204	BNE	OKB2

1655:85 EO	205	DONOTES	EQU *
1655:85 EO	206	STA	NOTECOUNT

1657:E6 E2	207	INC	Z1COUNT
1659:D0 02	208	BNE	OKB2

165B:E6 E3	209	INC	Z1COUNT+1
165D:B1 E2	210	OKB2	LDA (Z1COUNT),Y

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1662: E0 E0	209	INC	Z1COUNT+1
165D: B1 E2	210	OKB2	LDA (Z1COUNT), Y
165F: 8D 16 10	211	STA	TIMEFACT
1662: E6 E2	212	INC	Z1COUNT
1664: D0 02	213	BNE	OKB3

1666: E6 E3	214	INC	Z1COUNT+1
1668:	215	OKB3	EQU *
1668: 4C 49 10	216	JMP	GONOTE ; GOES TO PLAY IT
166B: 4	217	;	
166B: FF	218	SLOOPCNT	DFB \$FF
166C:	219	SLOOP	EQU *
166C: AD 6B 16	220	LDA	SLOOPCNT
166F: 30 26	221	BMI	STARTLOOP
1671: CE AB 16	222	DEC	SLOOPCNT
1674: 30 29	223	BMI	ENDLOOP
1676:	224	D0MYLOOP	EQU *
1676: E6 E2	225	INC	Z1COUNT
1678: 00 02	226	BNE	OKZ11
167A: E6 E3	227	INC	Z1COUNT+1
167C:	228	OKZ11	EQU *
167C: B1 E2	229	LDA	(Z1COUNT), Y
167E: 48	230	PHA	
167F: C8	231	INY	
1680: B1 E2	232	OKZ12	LDA (Z1COUNT), Y
1682: 85 E3	233	STA	Z1COUNT+1
1684: 68	234	PLA	
1685: 85 E2	235	STA	Z1COUNT
1687:	236	*****	
1687:	237	*, USE, SOUNDORG, TO, COMPUTE	
1687:	238	*, ABSOLUTE, ADDRESS, OF, LOOP, FROM	
1687:	239	*, RELATIVE, ADDRESS,	
1687:	240	*****	
1687: AD FE 14	241	LDA	SOUNDORG
168A: 18	242	CLC	
168B: A5 E2	243	ADC	Z1COUNT
168D: 85 E2	244	STA	Z1COUNT
168F: AD FF 14	245	OKZ1NL	LDA SOUNDORG+1
1692: 65 E3	246	ADC	Z1COUNT+1
1694: 85 E3	247	STA	Z1COUNT+1
1696: 60	248	RTS	
1697: B1 E2	249	STARTLOOP	LDA (Z1COUNT), Y
1699: 8D 6B 16	250	STA	SLOOPCNT
169C: 4C 76 16	251	JMP	D0MYLOOP
169F: A5 E2	252	ENDLOOP	LDA Z1COUNT
16A1: 18	253	CLC	
16A2: 69 03	254	ADC	#3
16A4: 90 02	255	BCC	OKENDL
16A6: E6 E3	256	INC	Z1COUNT+1
16A8: 85 E2	257	OKENDL	STA Z1COUNT
16AB: 60	258	RTS	
16AB:	259	SSETPW	EQU *
16AB: B1 E2	260	LDA	(Z1COUNT), Y
16AD: 8D F2 14	261	STA	PWVALUE
16B0: C8	262	INY	
16B1: B1 E2	263	LDA	(Z1COUNT), Y
16B3: 8D F3 14	264	STA	PWVALUE+1
16B6: A5 E2	265	LDA	Z1COUNT
16B8: 18	266	CLC	
16B9: 69 02	267	ADC	#2
16BB: 90 02	268	BCC	OKZ13
16BD: E6 E3	269	INC	Z1COUNT+1
16BF: 85 E2	270	OKZ13	STA Z1COUNT
16C1: B8	271	DEY	
16C2: 60	272	RTS	
16C3:	273	SSETPWD	EQU *

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16C2:80 272 RTS
16C3: 273 SSETPWD EQU *
16C3:81 E2 274 LDA (Z1COUNT),Y
16C5:8D F4 14 275 STA PWDELTA
16C6:C8 276 INY

16C9:81 E2 277 LDA (Z1COUNT),Y
16CB:8D F5 14 278 STA PWDELTA+1
16CE:A5 E2 279 LDA Z1COUNT
16D0:18 280 CLC
16D1:69 02 281 ADC #2
16D3:90 02 282 BCC OKZ14
16D5:E6 E3 283 INC Z1COUNT+1
16D7:85 E2 284 STA Z1COUNT
16D9:88 285 DEY
16DA:60 286 RTS
16DB: 287 SDOPWD EQU *
16D9:AD F3 14 288 LDA PWVALUE+1
16DE:85 E5 289 STA TEMPERARY+1
16E0:AD F2 14 290 LDA PWVALUE
16E3:18 291 CLC
16E4:60 F4 14 292 ADC PWDELTA
16E7:85 E4 293 STA TEMPERARY
16F9:AD F5 14 294 LDA PWDELTA+1
16EC:30 0C 295 BMI CHKPdns
16EE:90 14 296 BCC OK1PWD0
16F0:85 E5 297 LDA TEMPERARY+1
16F2:69 00 298 ADC #0
16F4:B0 2A 299 BCS NEGPWD
16F6:85 E5 300 STA TEMPERARY+1
16F8:90 0A 301 BCC OK1PWD0
16FA:B0 08 302 CHKPdns BCS OK1PWD0
16FC:A5 E5 303 LDA TEMPERARY+1
16FE:E9 00 304 SBC #0
1700:90 1E 305 BCC NEGPWD
1702:85 E5 306 STA TEMPERARY+1
1704: 307 OK1PWD0 EQU *
1704:A5 E5 308 LDA TEMPERARY+1
1706:18 309 CLC
1707:60 F5 14 310 ADC PWDELTA+1
170A:85 E5 311 STA TEMPERARY+1
170C:AD F5 14 312 LDA PWDELTA+1
170F:30 0D 313 BMI DOCHDOWN
1711:B0 0D 314 BCS NEGPWD
1713: 315 NONEGPWD EQU *
1713:A5 E4 316 LDA TEMPERARY
1715:8D F2 14 317 STA PWVALUE
1718:A5 E5 318 LDA TEMPERARY+1
171A:8D F3 14 319 STA PWVALUE+1
171D:60 320 RTS
171E:B0 F3 321 DOCHDOWN BCS NONEGPWD
1720: 322 NEGPWD EQU *
1720:AD F5 14 323 LDA PWDELTA+1
1723:49 FF 324 EOR #FF
1725:8D F5 14 325 STA PWDELTA+1
1728:AD F4 14 326 LDA PWDELTA
172B:49 FF 327 EOR #FF
172D:8D F4 14 328 STA PWDELTA
1730:EE F4 14 329 INC PWDELTA
1733:D0 03 330 BNE TIUNGNEG
1735:EE F5 14 331 INC PWDELTA+1
1738: 332 DUNGNEG EQU *
1738:40 333 RTS
1739:A9 00 334 SCLEARPW LDA #0
173B:8D F4 14 335 STA PWDELTA
173E:8D F5 14 336 STA PWDELTA+1

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173B:3D	F4	14	333	STA	PWDELTA
173E:8D	F5	14	336	STA	PWDELTA+1
1741:8D	F2	14	337	STA	PWVALUE
1744:8D	F3	14	338	STA	PWVALUE+1
1747:60			339	RTS	

1748:20	AB	16	340	SBOTHPW	JSR	SSETPW
174B:4C	C3	16	341		JMP	SSETPWD
174E:			342	HOLDROT	DS	2
1750:			343	SROTS	EQU	*
1750:			344	:		
1750:			345	:		
1750:			346	:		
1750:AD	51	18	347		LDA	SUBTBL
1753:85	E4		348		STA	TEMPERARY
1755:AD	52	18	349		LDA	SUBTBL+1
1758:85	E5		350		STA	TEMPERARY+1
175A:B1	E2		351		LDA	(Z1COUNT),Y
175C:48			352		PHA	
175D:E6	E2		353		INC	Z1COUNT
175F:D0	02		354		BNE	OKIZS
1761:E6	E3		355		INC	Z1COUNT+1
1763:A5	E2		356	OKIZS	LDA	Z1COUNT
1765:8D	4E	17	357		STA	HOLDROT
1768:A5	E3		358		LDA	Z1COUNT+1
176A:8D	4F	17	359		STA	HOLDROT+1
176B:68			360		PLA	
176E:2D	F7	14	361		AND	RTIME
1771:18			362		CLC	
1772:71	E2		363		ADC	(Z1COUNT),Y
1774:0A			364		ASL	A
1775:90	02		365		BCC	PGSB1
1777:E6	E5		366		INC	TEMPERARY+1
1779:			367	PGSB1	EQU	*
1779:A8			368		TAY	
177A:B1	E4		369		LDA	(TEMPERARY),Y
177C:85	E2		370		STA	Z1COUNT
177E:C8			371		INY	
177F:B1	E4		372		LDA	(TEMPERARY),Y
1781:85	E3		373		STA	Z1COUNT+1
1783:			374	*****		
1783:			375	*, USE, SOUNDORG, AGAIN, FOR		
1783:			376	*, SUBROUTINE, TABLE		
1783:			377	*****		
1783:AD	FF	14	378		LDA	SOUNDORG
1786:18			379		CLC	
1787:65	E2		380		ADC	Z1COUNT
1789:85	E2		381		STA	Z1COUNT
178B:AD	FF	14	382		LDA	SOUNDORG+1
178E:65	E3		383		ADC	Z1COUNT+1
1790:85	E3		384		STA	Z1COUNT+1
1792:A0	00		385		LDY	#0
1794:60			386		RTS	
1795:			387	SRETS	EQU	*
1795:AD	4E	17	388		LDA	HOLDROT
1798:85	E2		389		STA	Z1COUNT
179A:AD	4F	17	390		LDA	HOLDROT+1
179D:85	E3		391		STA	Z1COUNT+1
179F:E6	E2		392		INC	Z1COUNT
17A1:D0	02		393		BNE	HROK1
17A3:E6	E3		394		INC	Z1COUNT+1
17A5:			395	HROK1	EQU	*
17A5:60			396		RTS	
17A6:AD	F8	14	397	STOGLQUIK	LDA	QUIK
17A9:49	FF		398		EDR	#\$FF
17AB:8D	F2	14	399		STA	QUIK

17AB:8D F8 14 399 STA QUIK
17AE:60 400 RTS
17AF:A9 00 401 EXITGOER LDA #0
17B1:8D F9 14 402 STA NOIFLAG

17B4:60	403	RTS	
17B5:	404	OTHRNOISE EQU *	
17B5:CE FA 14	405	CKNSTOP DEC NOITIMER	
17B8:FD F5	406	BEQ EXITGOER	
17BA:AD 30 CO	407	LDA SPEAKER	
17BD:A9 1E	408	NEWNOISE LDA #31	
17BF:6D 1D 10	409	ADC TIME3	
17C2:8D 1D 10	410	STA TIME3	
17C5:A9 11	411	LDA #17	
17C7:ED FD 14	412	SBC TIME17	
17CA:8D FD 14	413	STA TIME17	
17CD:A9 33	414	LDA #51	
17CF:6D FC 14	415	ADC TIME13	
17D2:8D FC 14	416	STA TIME13	
17D5:AD F7 14	417	LDA RTIME	
17D8:	418	DONOISER EQU *	
17D8:	419	NXTNOISE EQU *	
17D8:4A	420	LSR A	
17D9:4A	421	LSR A	
17DA:4A	422	LSR A	
17DB:DO 02	423	BNE OKRTY	
17DD:A9 01	424	LDA #1	
17DF:A8	425	OKRTY TAY	
17E0:AD 00 15	426	LDA PASS	
17E3:AE 30 CO	427	LDX SPEAKER	
17E6:AA	428	DRIVE TAX	
17E7:CA	429	DDEX DEX	
17E8:10 FD	430	BPL DODEX	
17EA:88	431	DEY	
17EB:DO F9	432	BNE DRIVE	
17ED:EE 1B 10	433	INC TIME1	
17F0:AD 1B 10	434	LDA TIME1	
17F3:29 07	435	AND #7	
17F5:FD BE	436	BEQ OTHRNOISE	
17F7:AD F7 14	437	LDA RTIME	
17FA:6D 1D 10	438	ADC TIME3	
17FD:ED FC 14	439	SBC TIME13	
1800:6D FD 14	440	ADC TIME17	
1803:8D F7 14	441	STA RTIME	
1806:4C D8 17	442	JMP DONOISER	
1809:	443	SWHITE EQU *	
1809:B1 F2	444	LDA (Z1COUNT), Y	
180B:E6 E2	445	INC Z1COUNT	
180D:DO 02	446	BNE ZWHZ	
180F:E6 F3	447	INC Z1COUNT+1	
1811:	448	ZWHZ EQU *	
1811:8D FA 14	449	STA NOITIMER	
1814:A9 FF	450	LDA #FF	
1816:8D F9 14	451	STA NOIFLAG	
1819:68	452	PLA	
181A:68	453	PLA	
181B:AD 00 15	454	LDA PASS	
181E:29 OF	455	AND #FF	
1820:0A	456	ASL A	
1821:0A	457	ASL A	
1822:0A	458	ASL A	
1823:8D 00 15	459	STA PASS	
1826:4C D8 17	460	JMP NXTNOISE	
1829:	461	SSL IDE EQU *	
1829:A9 EE	462	LDA #SEE	

1829: 461 SSLIDE EQU *
1829:A9 FF 462 LDA #\$FF
182E:8D 01 15 463 STA SLIDFLAG
182E:B1 E2 464 LDA (Z1COUNT),Y
1830:8D 02 15 465 STA SNUM

1833:C8 466 INY
1834:B1 E2 467 LDA (Z1COUNT),Y
1834:8D 03 15 468 STA SNUM+1

1839:C8 469 INY
183A:B1 E2 470 LDA (Z1COUNT),Y
183C:8D 09 15 471 STA SAMT

183F:C8 472 INY
1840:B1 E2 473 LDA (Z1COUNT),Y
1842:8D 0A 15 474 STA SAMT+1

1845:A5 E2 475 LDA Z1COUNT

1847:18 476 CLC

1848:69 04 477 ADC #4

184A:85 E2 478 STA Z1COUNT

184C:90 02 479 BCC OKZ1SL1

184E:E6 E3 480 INC Z1COUNT+1

1850:60 481 OKZ1SL1 RTS

1851: 482 ;

1851: 483 ;

1851:00 2F 484 SUBTBL DW \$2FOO

1853: 485 DS \$1FOO-*

1E00:FF 1F 486 SOUNDS DW \$1FFE

2000: 487 TUNE EQU \$2000

1FO2: 488 DS \$1FFE-*

1FFE:00 2F 489 DW \$2FOO

2000: 490 ;

*** SUCCESSFUL ASSEMBLY: NO ERRORS

11AF	AMONGSLIDE	102D	AMTANDOUT	102C	AMTSIGN	102E	AMTWORK
1030	APPLEGO	1617	CHKEMA	14E3	CHKLWSL	16FA	CHKPDNS
117B	CKNSTOP	1222	DIDAMT	1079	DIDPWVAL	171F	DODCHDOWN
17E7	DODEX	1617	DOEMA	150C	DOKEY	1676	DONYLOOP
131E	DONESIGN	17D8	DONOISER	1655	DONOTES	10E4	DOOCT1ER
106D	DOWIDTH	?11A5	DOZSLIDE	17E6	DRIVE	1738	DUNGNEG
169F	ENDLOOP	?1199	ENDPWTN	17AF	EXITGGER	1460	EXITWAVE
1026	FIRSTSLID	14D3	GETSLINDEX	14D7	GETSLXL	1625	GODDIT
1049	GONOTE	14F0	GOTSLXP	?1513	GOTUNE	1525	GOTUNEX
174E	HOLDROT	17A5	HROK1	1006	INIT	1020	LENADJ
1262	LIMALRIGHT	1720	NEGPWD	?17BD	NEWNOISE	?1602	NEXTBYT
1628	NEXTGOON	1541	NEXTNGO	153F	NEXTNOTE	1400	NEXTWAVE
14F9	NOIFLAG	14FA	NOITIMER	1713	NONEGPWD	1468	NONOSLIDE
1600	NORETS	124F	NOSLUNDER	EO	NOTECOUNT	11BB	NOTESCSL
1487	NOTETBL	103B	NOUT	1375	NOZSLIDE	17D8	NXTNOTE
1049	NXTNOTE	14EB	NXTSLXP	1362	NXTSVDPUGS	136F	NXZSAVEP
?146B	OCTAVE	10AD	OCTLOOP	1025	OCTMINUS1	1017	OCTUPUS
?1581	DINKT11	1554	DINKT3	?155C	DINKT5	1569	DINKT7
1704	OKIPWDO	1210	OKAMTSNZ	165D	OKB2	1668	OKB3
1608	OKBYT	1176	OKDOZW	118C	OKDOZW2	16A8	OKENDL
1763	OKIZS	15C7	OKKEY1	110E	OKLEN1	10E0	OKLEN2
?10FA	OKLEN3	110C	OKOCT3	1167	OKPWC1	1090	OKQUITKS
17DF	OKRTY	112B	OKSC1	?112B	OKSC2	?1118	OKSCNT2
11DE	OKSLNUM	12EA	OKSOK1	12F2	OKSOKE2	12FA	OKSOKE3
15A9	OKTINY	167C	OKZ11	?1680	OKZ12	16BF	OKZ13
16D7	OKZ14	15EE	OKZ1AOK	?168F	OKZ1NL	115A	OKZ1SB1
1850	OKZ1SL1	1027	OLDCOMP	7B	ORGP1	17B5	OTHERNOISE
10D9	OUTOCTLOOP	142C	OUTWLI	1500	PASS	1779	PGSB1
1316	POSIGN	?1479	PTBL	1504	PUSSY	1297	PUTEOK
14F4	PWDELTA	114B	PWOVER1	14F2	PWVALUE	14F8	QUIK
14F6	RESTER	129E	RSLRDT	14F7	RTIME	1509	SAMT
100D	SAVECOUNT	1303	SAVSLIDE	12CA	SAVSLXX	1748	SBOTHPRW
1739	SCLEARPW	160B	SDOFWD	1243	SETSLDOWN	1258	SETSLUP
14BD	SLCOMPARE	1501	SLIDFLAG	12B3	SLLEFT	166B	SLLOPCNT
166C	SLLOOP	1021	SLPUTE	1502	SNUM	14FE	SOUNDORG
1FOO	SOUNDS	C030	SPEAKER	164B	SREST	1793	SRETS
1750	SROTS	16AB	SSETPW	16C3	SSETPWD	1829	SSLIDE
1697	STARTLOOP	102A	STIMEFACT	17A6	STOGLQUIK	120A	STRAMT
162E	SUBS	1851	SUBLI	124D	SVDPUGS	1024	SVOLINDEX
1809	SWHITE	?101F	TEMP	E4	TEMPERARY	1137	TESTPWOVER
101B	TIME1	14FB	TIME11	14FC	TIME13	14FD	TIME17
101D	TIME3	101C	TIME5	101E	TIME7	1014	TIMEFACT
14A1	TIMETBL	11D2	TONOZSLIDE	11D5	TOSAVSLIDE	?14F1	TSUBTBL
2000	TUNE	?1512	TUNOTE	15AD	WAITGO	15B2	WAITGOX
144B	WAVEOK	?1460	WAVEOUT	135C	WHOOPSVP	1417	WL1
144B	WL2	12B5	XLEFT	100E	Z1COMP	E2	Z1COUNT
1012	Z1WAVE	1010	Z2COMP	1014	Z2WAVE	?103E	Z001
1811	ZWHZ						

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7B ORGP1	E0 NOTECOUNT	E2 Z1COUNT	E4 TEMPERARY
1006 INIT	1000 SAVECOUNT	100E Z1COMP	1010 Z2COMP
1012 Z1WAVE	1014 Z2WAVE	1014 TIMEFACT	1017 OCTUPUS
101B TIME1	101C TIME5	101D TIME3	101E TIME7
?101F TEMP	1020 LENADJ	1021 SLPUTE	1024 SVOLDINDEX
1025 OCTMINUS1	1026 FIRSTSLID	1027 OLDCOMP	102A STINEFACT
102C AMTSIGN	102D AMTANDOUT	102E AMTWORK	1030 APPLEG0
103B NOUT	?103E ZD01	1049 GONOTE	1049 NXTNOTE
104D ROWIDTH	1079 DINEPWAL	1090 OKOUTKS	10AD OCTLOOP
10D9 OUTOCTLOOP	10E4 DOOCT1ER	10F0 OKLEN2	?10FA OKLENS
110C OKOCT3	110F OKLEN1	?1118 OKSCNT2	?112B OKSC2
112B OKSC1	1137 TESTPWOVER	114B PWOVER1	115A OKZ1SB1
1167 OKPWC1	1176 OKDOZW	118C OKDOZW2	?1199 ENDPWTH
?11A5 DOZSLIDE	11AF AMONGSSLIDE	11BB NOTESCSL	11D2 TONOZSLIDE
11D5 TOSAVSLIDE	11DE OKSLNUM	120A STRAMT	1210 OKAMTSNZ
1222 DIDAMT	1243 SETSLDOWN	124F NOSLUNDER	1258 SETSLIP
1262 LIMALRIGHT	1297 PUTEOK	129E RSLROT	12B3 SLLEFT
1285 XLLLEFT	12CA SAVSLXX	12EA OKSOK1	12F2 OKSOK2
12FA OKSOK3	1303 SAVSLIDE	1316 POSIGN	131E IONESIGN
134D SVOPUSS	135C WHOOPSVP	1362 NXTSVDPUSS	136F NXZSAVEP
1375 NOZSLIDE	1400 NEXTWAVE	1417 WL1	142C OUTWL1
1448 WAVEOK	144B WL2	1460 EXITWAVE	?1460 WAVEOUT
1468 NONOSLIDE	?146B OCTAVE	?1479 PTBL	1487 NOTETBL
14A1 TIMETBL	14BD SLCOMPARE	14D3 GETSLINDEX	1407 GETSLXL
14E3 CHKLLOWSL	14EB NXTSLXP	14F0 GOTSLXP	?14F1 TSUBTEL
14F2 PWVALUE	14F4 PWDELTA	14F6 RESTER	14F7 RTIME
14F8 QUITK	14F9 NOIFLAG	14FA NOTIMER	14FB TIME11
14FC TIME13	14FD TIME17	14FE SOUNDORG	1500 PASS
1501 SLIDFLAG	1502 SNUM	1504 PUSSY	1509 SAMT
?1512 TUNOTE	?1513 GOTUNE	1525 GOTUNEX	153F NEXTNOTE
1541 NEXTNGO	1554 OINKT3	?155C OINKT5	1569 OINKT7
?1581 OINKT11	15A9 OKTINY	15A0 WAITGO	15B2 WAITGOX
15C7 OKKEY1	15CC DOKEY	15EE OKZ1AOK	1600 NORETS
?1602 NEXTBYT	1608 OKBYT	1617 DOEMA	1617 CHKEMA
1625 GODDOIT	1628 NEXTGOON	162E SUBS	1648 SREST
1A55 DONOTES	1650 OKR2	1668 OKB3	166B SLOOPONT
166C SLOOP	1676 DOMYLOOP	167C OKZ11	?1680 OKZ12
?168F OKZ1NL	1697 STARTLOOP	169F ENDLOOP	16A8 OKENDL
16AB SSETPW	16BF OKZ13	16C3 SSETPWD	16D7 OKZ14
16DB SDOPWD	16FA CHKPdns	1704 OK1PWD0	1713 NONEGPWD
171E DOCHDOWN	1720 NEGPWD	1738 DUNGNEG	1739 SCLEARPW
174B SBOTHPW	174E HOLDROT	1750 SROTS	1763 OKIZS
1779 PGSB1	1795 SRETS	17A5 HR0K1	17A6 STOGLQUIK
17AF EXITGQER	17B5 OTHRNOISE	?17B6 CKNSTOP	?17BD NEWNOISE
17D8 DONOISER	17D8 NXTNOISE	17DF OKRTY	17E6 DRIVE
17E7 DODEX	1809 SWHITE	1811 ZWHZ	1829 SSLIDE
1850 OKZ1SL1	1851 SUBTBL	1FOO SOUNDS	2000 TUNE
C030 SPEAKER			