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10 :
20 :   *** DUNGEONLORDS ***
30 :   (Revision B)
40 :
50 :   By Brian Douglas Bradley
60 :   August 1, 1986
70 :
80 :   VARIABLES:
90 :   -----
0100 ;
=0080 0110 LOA = 128
=0081 0120 HIA = 129
=0082 0130 LO = 130
=0083 0140 HI = 131
=0084 0150 LOC = 132
=0085 0160 HIC = 133
=0086 0170 V1 = 134
=0087 0180 V2 = 135
=0088 0190 V3 = 136
=0089 0200 V4 = 137
=008A 0210 V5 = 138
=008B 0220 V6 = 139
=008C 0230 V7 = 140
=008D 0240 V8 = 141
=008E 0250 V9 = 142
=008F 0260 XCL = 143
=0090 0270 YRM = 144
=0091 0280 CLX = 145
=0092 0290 RWY = 146
=0093 0300 XPO5 = 147
=0094 0310 YPO5 = 148
=0095 0320 MNX = 149
=0096 0330 MNY = 150
=0097 0340 MNXA = 151
=0098 0350 MNXA = 152
=0099 0360 STK = 153
=009A 0370 STK1 = 154
=009B 0380 TRGR = 155
=009C 0390 MUE = 156
=009D 0400 GX1 = 157
=009E 0410 GY1 = 158
=009F 0420 GX2 = 159
=00A0 0430 GY2 = 160
=00A1 0440 BLTX = 161
=00A2 0450 BLTY = 162
=00A3 0460 BLTXY = 163
=00A4 0470 TXY = 164
=00A5 0480 JUMP = 165
=00A6 0490 CNTR = 166
=00A7 0500 XCNT = 167
=00A8 0510 TIMES = 168
=00A9 0520 SPEED = 169
=00AA 0530 PLAY = 170
=00AB 0540 SNGX = 171
=00AC 0550 SPOT = 172
=00AD 0560 SPOT2 = 173
=00AE 0570 OVER = 174

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=00AF      0580 KEY = 175
=00B0      0590 SHOMN = 176
=00B1      0600 LUL = 177
=00B2      0610 LIVES = 178
=00B3      0620 NOW = 179
=00B6      0630 DLO = 182
=00B7      0640 DHI = 183
=00B8      0650 BDX = 184
=00D8      0660 BDY = 216
=0600      0670 BDXY = 1536
=0620      0680 BDG = 1568
=0640      0690 ALU = 1600
=2FB4      0700 DLIST = 12212
=388E      0710 SCR5 = 14478
=E45F      0720 SYSUBV = 58463
=E45C      0730 SEUBV = 58460
           0740 ;
           0750 ; INITIALIZE PROGRAM
           0760 ;
0000      0770 *= 8775
2247      0780 .BYTE 112,112,112,112,112,112,71
224B      0790 .BYTE 102,34,70,122,34,112
224D      0800 .BYTE 112,71,162,34,70,142
2251      0810 .BYTE 34,112,112,112,70,182
2253      0820 .BYTE 34,70,0,57,65,71,34
2257      0830 .BYTE "      dungeonlords      "
2259      0840 .BYTE "      by brian bradley      "
225D      0850 .BYTE "      press start to play"
2263      0860 .BYTE "      game over      "
2266      0870 .BYTE "      score      "
226A      0880 LDA #0
226E      0890 LDX #0
2272      0900 RPT
2276      20202020
227A      20206279
227E      20627269
2282      616E2062
2286      7261646C
228A      65792020
228E      20707265
2292      73732073
2296      74617274
229A      20746F20
229E      706C6179
22A2      20202020
22A6      2020E7E1
22AA      EDE520EF
22AE      F6E5F220
22B2      20202020
22B6      20202020
22BA      20202020
22BE      F3E3EFF2
22C2      E5202020
22C6      20202020
22CA      A900
22CC      A200
22CE

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22CE	A000	0910	LDY	#0
22D0		0920	RPTA	
22D0	990039	0930	STA	\$3900,Y
22D3	C8	0940	INY	
22D4	C000	0950	CPY	#0
22D6	D0F8	0960	BNE	RPTA
22D8	EED222	0970	INC	RPTA+2
22DB	E8	0980	INX	
22DC	E010	0990	CPX	#16
22DE	D0EE	1000	BNE	RPT
22E0	A938	1010	LDA	#56
22E2	8D07D4	1020	STA	54279
22E5	A97E	1030	LDA	#126
22E7	8D2F02	1040	STA	559
22EA	A903	1050	LDA	#3
22EC	8D1DD0	1060	STA	53277
22EF	8D0FD2	1070	STA	53775
22F2	A900	1080	LDA	#0
22F4	8DC802	1090	STA	712
22F7	A000	1100	LDY	#0
22F9		1110	STR	
22F9	998000	1120	STA	128,Y
22FC	C8	1130	INY	
22FD	C080	1140	CPY	#128
22FF	D0F8	1150	BNE	STR
2301	A908	1160	LDA	#8
2303	8DC202	1170	STA	706
2306	A977	1180	LDA	#119
2308	8D00D0	1190	STA	53248
230B	8D01D0	1200	STA	53249
230E	8D02D0	1210	STA	53250
2311	20A627	1220	JSR	INT
2314	A9D4	1230	LDA	#212
2316	8DC002	1240	STA	704
2319	8DC602	1250	STA	710
231C		1260	STRT	
231C	A9E0	1270	LDA	#224
231E	8DF402	1280	STA	756
2321	A900	1290	LDA	#0
2323	8DC402	1300	STA	708
2326	8DC702	1310	STA	711
2329	A947	1320	LDA	#71
232B	8D3002	1330	STA	560
232E	A946	1340	LDA	#70
2330	8DC102	1350	STA	705
2333	8DC502	1360	STA	709
2336	A922	1370	LDA	#34
2338	8D3102	1380	STA	561
233B		1390	SRT	
233B	AD1FD0	1400	LDA	53279
233E	C906	1410	CMP	#6
2340	D0F9	1420	BNE	SRT
2342	A9FA	1430	LDA	#250
2344	8DC702	1440	STA	711
2347	A930	1450	LDA	#48
2349	8DF402	1460	STA	756
234C	A9B4	1470	LDA	#180
234E	8D3002	1480	STA	560

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2351 A92F      1490      LDA #47
2353 8D3102    1500      STA 561
2356 A901      1510      LDA #1
2358 85B1      1520      STA LUL
235A 20AC2E    1530      JSR LP
235D 4C1C23    1540      JMP 5TRT
                1550      ;
                1560      ; Display remaining lives
                1570      ; and clear away all monsters
                1580      ;
2360          1590      ITA
2360 206623    1600      JSR ITF
2363 4C7A23    1610      JMP ITE
2366          1620      ITF
2366 A201      1630      LDX #1
2368 A937      1640      LDA #55
236A          1650      ITB
236A 38        1660      SEC
236B E4B2      1670      CPX LIVES
236D 9002      1680      BCC ITC
236F A900      1690      LDA #0
2371          1700      ITC
2371 9D8438    1710      STA 5CR5-10,X
2374 E8        1720      INX
2375 E008      1730      CPX #8
2377 D0F1      1740      BNE ITB
2379 60        1750      RTS
237A          1760      ITE
237A A200      1770      LDX #8
237C A900      1780      LDA #8
237E 85AE      1790      STA OVER
2380          1800      IT
2380 9D2006    1810      STA BDG,X
2383 BD4006    1820      LDA ALU,X
2386 C900      1830      CMP #0
2388 F00E      1840      BEQ ITD
238A B5B8      1850      LDA BDY,X
238C 858F      1860      STA XCL
238E B5D8      1870      LDA BDY,X
2390 8590      1880      STA YRW
2392 20CA28    1890      JSR CLR
2395 9D4006    1900      STA ALU,X
2398          1910      ITD
2398 E8        1920      INX
2399 E020      1930      CPX #32
239B D0E3      1940      BNE IT
239D 20D42A    1950      JSR PCLR
23A0 A908      1960      LDA #8
23A2 8595      1970      STA MNX
23A4 A930      1980      LDA #48
23A6 8596      1990      STA MNY
23A8 60        2000      RTS
                2010      ;
                2020      ; Create random maze
                2030      ;
23A9          2040      M
23A9 206023    2050      JSR ITA
23AC A5B1      2060      LDA LUL
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23AE	38	2070	SEC	
23AF	E901	2080	SBC	#1
23B1	4A	2090	LSR	A
23B2	4A	2100	LSR	A
23B3	85A9	2110	STA	SPEED
23B5	E6A9	2120	INC	SPEED
23B7	0A	2130	ASL	A
23B8	0A	2140	ASL	A
23B9	0A	2150	ASL	A
23BA	0A	2160	ASL	A
23BB	8586	2170	STA	V1
23BD	A906	2180	LDA	#6
23BF	38	2190	SEC	
23C0	E586	2200	SBC	V1
23C2	8DC502	2210	STA	709
23C5	20D42A	2220	JSR	PCLR
23C8	A900	2230	LDA	#0
23CA	85AF	2240	STA	KEY
23CC	858B	2250	STA	V6
23CE	8588	2260	STA	V3
23D0	AD0AD2	2270	LDA	53770
23D3	2907	2280	AND	#7
23D5	858C	2290	STA	U7
23D7	AD0AD2	2300	LDA	53770
23DA	2907	2310	AND	#7
23DC	18	2320	CLC	
23DD	6908	2330	ADC	#8
23DF	858D	2340	STA	U8
23E1		2350		
23E1	A200	2360	LDX	#0
23E3		2370		
23E3	868F	2380	STX	XCL
23E5	A588	2390	LDA	U3
23E7	8590	2400	STA	YRW
23E9	202926	2410	JSR	X96
23EC	A900	2420	LDA	#0
23EE	9180	2430	STA	(LOA),Y
23F0	E8	2440	INX	
23F1	E040	2450	CPX	#64
23F3	D0EE	2460	BNE	M1
23F5	E688	2470	INC	U3
23F7	A915	2480	LDA	#21
23F9	C588	2490	CMP	U3
23FB	D0E4	2500	BNE	M2
23FD	A200	2510	LDX	#0
23FF		2520		
23FF	A900	2530	LDA	#0
2401	8590	2540	STA	YRW
2403	868F	2550	STX	XCL
2405	20F725	2560	JSR	PTW
2408	A914	2570	LDA	#20
240A	8590	2580	STA	YRW
240C	20F725	2590	JSR	PTW
240F	E8	2600	INX	
2410	E8	2610	INX	
2411	E03E	2620	CPX	#62
2413	D0EA	2630	BNE	M3
2415	A202	2640	LDX	#2

2417		2650	M4	
2417	A900	2660		LDA #0
2419	858F	2670		STA XCL
241B	8690	2680		STX YRW
241D	20F725	2690		JSR PTW
2420	A93C	2700		LDA #60
2422	858F	2710		STA XCL
2424	20F725	2720		JSR PTW
2427	E8	2730		INX
2428	E8	2740		INX
2429	E014	2750		CPX #20
242B	D0EA	2760		BNE M4
242D	A938	2770		LDA #56
242F	858F	2780		STA XCL
2431	A202	2790		LDX #2
2433		2800	M49	
2433	8690	2810		STX YRW
2435	20F725	2820		JSR PTW
2438	E8	2830		INX
2439	E8	2840		INX
243A	E012	2850		CPX #18
243C	D0F5	2860		BNE M49
243E	202727	2870		JSR GR
2441	A900	2880		LDA #0
2443	858F	2890		STA XCL
2445	A904	2900		LDA #4
2447	8590	2910		STA YRW
2449	206C27	2920		JSR GR2
244C	A902	2930		LDA #2
244E	858F	2940		STA XCL
2450	8590	2950		STA YRW
2452	20F725	2960		JSR PTW
2455	A904	2970		LDA #4
2457	858F	2980		STA XCL
2459	20F725	2990		JSR PTW
245C	A900	3000		LDA #0
245E	858A	3010		STA U5
2460	A904	3020		LDA #4
2462	8589	3030		STA U4
2464		3040	M43	
2464	A204	3050		LDX #4
2466		3060	M45	
2466	868F	3070		STX XCL
2468	A589	3080		LDA U4
246A	8590	3090		STA YRW
246C	A900	3100		LDA #0
246E	858A	3110		STA U5
2470	202926	3120		JSR X96
2473	B180	3130		LDA (LOA), Y
2475	C900	3140		CMP #0
2477	F003	3150		BEQ M46
2479	4C8425	3160		JMP M15
247C		3170	M46	
247C	20F725	3180		JSR PTW
247F	AD0AD2	3190		LDA 53770
2482	2903	3200		AND #3
2484	C903	3210		CMP #3
2486	D007	3220		BNE M5

2488	C690	3230	DEC	YRW
248A	C690	3240	DEC	YRW
248C	4C4625	3250	JMP	WUP
248F		3260		
248F	C902	3270	CMP	#2
2491	D007	3280	BNE	W6
2493	E690	3290	INC	YRW
2495	E690	3300	INC	YRW
2497	4C4625	3310	JMP	WUP
249A		3320		
249A	C901	3330	CMP	#1
249C	D007	3340	BNE	W7
249E	C68F	3350	DEC	XCL
24A0	C68F	3360	DEC	XCL
24A2	4CA924	3370	JMP	WLR
24A5		3380		
24A5	E68F	3390	INC	XCL
24A7	E68F	3400	INC	XCL
24A9		3410		
24A9	A58F	3420	LDA	XCL
24AB	8591	3430	STA	CLX
24AD	A590	3440	LDA	YRW
24AF	8592	3450	STA	RMW
24B1	38	3460	SEC	
24B2	E904	3470	SBC	#4
24B4	8590	3480	STA	YRW
24B6	202926	3490	JSR	X96
24B9	B180	3500	LDA	(LOA), Y
24BB	C900	3510	CMP	#0
24BD	F002	3520	BEQ	W8
24BF	E68A	3530	INC	U5
24C1		3540		
24C1	A0BF	3550	LDY	#191
24C3	B180	3560	LDA	(LOA), Y
24C5	C900	3570	CMP	#0
24C7	F002	3580	BEQ	W9
24C9	E68A	3590	INC	U5
24CB		3600		
24CB	A0C2	3610	LDY	#194
24CD	B180	3620	LDA	(LOA), Y
24CF	C900	3630	CMP	#0
24D1	F002	3640	BEQ	W10
24D3	E68A	3650	INC	U5
24D5		3660		
24D5	A58A	3670	LDA	U5
24D7	38	3680	SEC	
24D8	C902	3690	CMP	#2
24DA	9003	3700	BCC	W11
24DC	4C8425	3710	JMP	W15
24DF		3720		
24DF	A591	3730	LDA	CLX
24E1	858F	3740	STA	XCL
24E3	A592	3750	LDA	RMW
24E5	8590	3760	STA	YRW
24E7	202926	3770	JSR	X96
24EA	B180	3780	LDA	(LOA), Y
24EC	C900	3790	CMP	#0
24EE	F003	3800	BEQ	W60

24F0	4C8425	3810	JMP	W15
24F3		3820	W60	
24F3	A58B	3830	LDA	U6
24F5	E68B	3840	INC	U6
24F7	C58C	3850	CMP	U7
24F9	D005	3860	BNE	W30
24FB	A9AF	3870	LDA	#175
24FD	4C1825	3880	JMP	W36
2500		3890	W30	
2500	C58D	3900	CMP	U8
2502	D005	3910	BNE	W39
2504	A9AF	3920	LDA	#175
2506	4C1825	3930	JMP	W36
2509		3940	W39	
2509	AD0AD2	3950	LDA	53770
250C	293F	3960	AND	#63
250E	38	3970	SEC	
250F	C5B1	3980	CMP	LVL
2511	9003	3990	BCC	W40
2513	4C4025	4000	JMP	W32
2516		4010	W40	
2516	A9A7	4020	LDA	#167
2518		4030	W36	
2518	201E25	4040	JSR	W91
251B	4C8425	4050	JMP	W15
251E		4060	W91	
251E	858A	4070	STA	U5
2520	202926	4080	JSR	X96
2523	A58A	4090	LDA	U5
2525	9180	4100	STA	(LOA), Y
2527	A001	4110	LDY	#1
2529	E68A	4120	INC	U5
252B	A58A	4130	LDA	U5
252D	9180	4140	STA	(LOA), Y
252F	A060	4150	LDY	#96
2531	E68A	4160	INC	U5
2533	A58A	4170	LDA	U5
2535	9180	4180	STA	(LOA), Y
2537	A061	4190	LDY	#97
2539	E68A	4200	INC	U5
253B	A58A	4210	LDA	U5
253D	9180	4220	STA	(LOA), Y
253F	60	4230	RTS	
2540		4240	W32	
2540	20F725	4250	JSR	PTW
2543	4C8425	4260	JMP	W15
2546		4270	WUP	
2546	A58F	4280	LDA	XCL
2548	8591	4290	STA	CLX
254A	C68F	4300	DEC	XCL
254C	C68F	4310	DEC	XCL
254E	A590	4320	LDA	YRW
2550	8592	4330	STA	RMV
2552	C690	4340	DEC	YRW
2554	C690	4350	DEC	YRW
2556	202926	4360	JSR	X96
2559	B180	4370	LDA	(LOA), Y
255B	C900	4380	CMP	#0

255D	F002	4390	BEQ	W12
255F	E68A	4400	INC	U5
2561		4410	W12	
2561	A0BF	4420	LDY	#191
2563	B180	4430	LDA	(LOA),Y
2565	C900	4440	CMP	#0
2567	F002	4450	BEQ	W13
2569	E68A	4460	INC	U5
256B		4470	W13	
256B	A080	4480	LDY	#128
256D	E681	4490	INC	H1A
256F	B180	4500	LDA	(LOA),Y
2571	C900	4510	CMP	#0
2573	F002	4520	BEQ	W14
2575	E68A	4530	INC	U5
2577		4540	W14	
2577	A58A	4550	LDA	U5
2579	38	4560	SEC	
257A	C902	4570	CMP	#2
257C	9003	4580	BCC	W41
257E	4C8425	4590	JMP	W15
2581		4600	W41	
2581	4CDF24	4610	JMP	W11
2584		4620	W15	
2584	E8	4630	INX	
2585	E8	4640	INX	
2586	E8	4650	INX	
2587	E8	4660	INX	
2588	E038	4670	CPH	#56
258A	F003	4680	BEQ	W16
258C	4C6624	4690	JMP	W45
258F		4700	W16	
258F	A589	4710	LDA	U4
2591	18	4720	CLC	
2592	6904	4730	ADC	#4
2594	8589	4740	STA	U4
2596	C914	4750	CMP	#20
2598	F003	4760	BEQ	W20
259A	4C6424	4770	JMP	W43
259D		4780	W20	
259D	A93A	4790	LDA	#58
259F	858F	4800	STA	XCL
25A1	A906	4810	LDA	#6
25A3	8590	4820	STA	YRW
25A5	A9B3	4830	LDA	#179
25A7	201E25	4840	JSR	W91
25AA	A908	4850	LDA	#8
25AC	8590	4860	STA	YRW
25AE	A9B3	4870	LDA	#179
25B0	201E25	4880	JSR	W91
25B3	A938	4890	LDA	#56
25B5	858F	4900	STA	XCL
25B7	A900	4910	LDA	#0
25B9	8590	4920	STA	YRW
25BB	206C27	4930	JSR	GR2
25BE	A93A	4940	LDA	#58
25C0	858F	4950	STA	XCL
25C2	A902	4960	LDA	#2

25C4	8590	4970	STA	YRW
25C6	A5B1	4980	LDA	LUL
25C8	2903	4990	AND	#3
25CA	C900	5000	CMP	#0
25CC	D005	5010	BNE	W17
25CE	A9E8	5020	LDA	#232
25D0	4CD525	5030	JMP	W18
25D3		5040		
25D3	A9F4	5050	W17	LDA #244
25D5		5060	W18	
25D5	201E25	5070	JSR	W91
25D8	A5B1	5080	LDA	LUL
25DA	2907	5090	AND	#7
25DC	C900	5100	CMP	#0
25DE	D016	5110	BNE	W19
25E0	A90A	5120	LDA	#10
25E2	8590	5130	STA	YRW
25E4	A9B3	5140	LDA	#179
25E6	201E25	5150	JSR	W91
25E9	A936	5160	LDA	#54
25EB	858F	5170	STA	XCL
25ED	A902	5180	LDA	#2
25EF	8590	5190	STA	YRW
25F1	A9AF	5200	LDA	#175
25F3	201E25	5210	JSR	W91
25F6		5220	W19	
25F6	60	5230	RTS	
25F7		5240	PTM	
25F7	202926	5250	JSR	X96
25FA	201726	5260	JSR	LTM
25FD	A000	5270	LDY	#0
25FF	9180	5280	STA	(L0A), Y
2601	202026	5290	JSR	RTW
2604	A001	5300	LDY	#1
2606	9180	5310	STA	(L0A), Y
2608	202026	5320	JSR	RTW
260B	A060	5330	LDY	#96
260D	9180	5340	STA	(L0A), Y
260F	201726	5350	JSR	LTM
2612	A061	5360	LDY	#97
2614	9180	5370	STA	(L0A), Y
2616	60	5380	RTS	
2617		5390	LTM	
2617	AD0AD2	5400	LDA	53770
261A	2903	5410	AND	#3
261C	18	5420	CLC	
261D	6901	5430	ADC	#1
261F	60	5440	RTS	
2620		5450	RTM	
2620	AD0AD2	5460	LDA	53770
2623	2903	5470	AND	#3
2625	18	5480	CLC	
2626	6905	5490	ADC	#5
2628	60	5500	RTS	
2629		5510	X96	
2629	A900	5520	LDA	#0
262B	8586	5530	STA	V1
262D	8587	5540	STA	V2

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262F 8581      5550      STA  HIA
2631 A590      5560      LDA  YRW
2633 8580      5570      STA  LOA
2635 A000      5580      LDY  #0
2637          5590      L1
2637 A581      5600      LDA  HIA
2639 0A        5610      ASL  A
263A 8581      5620      STA  HIA
263C A580      5630      LDA  LOA
263E 0A        5640      ASL  A
263F 9003      5650      BCC  L2
2641 E681      5660      INC  HIA
2643 18        5670      CLC
2644          5680      L2
2644 8580      5690      STA  LOA
2646 C8        5700      INY
2647 C005      5710      CPY  #5
2649 D008      5720      BNE  L3
264B A580      5730      LDA  LOA
264D 8586      5740      STA  V1
264F A581      5750      LDA  HIA
2651 8587      5760      STA  V2
2653          5770      L3
2653 C006      5780      CPY  #6
2655 D0E0      5790      BNE  L1
2657 A581      5800      LDA  HIA
2659 18        5810      CLC
265A 6587      5820      ADC  V2
265C 8581      5830      STA  HIA
265E A580      5840      LDA  LOA
2660 18        5850      CLC
2661 6586      5860      ADC  V1
2663 9003      5870      BCC  L4
2665 E681      5880      INC  HIA
2667 18        5890      CLC
2668          5900      L4
2668 8580      5910      STA  LOA
266A A581      5920      LDA  HIA
266C 18        5930      CLC
266D 6940      5940      ADC  #64
266F 8581      5950      STA  HIA
2671 A580      5960      LDA  LOA
2673 18        5970      CLC
2674 658F      5980      ADC  XCL
2676 9002      5990      BCC  L5
2678 E681      6000      INC  HIA
267A          6010      L5
267A 18        6020      CLC
267B 6914      6030      ADC  #20
267D 9002      6040      BCC  L6
267F E681      6050      INC  HIA
2681          6060      L6
2681 8580      6070      STA  LOA
2683 A000      6080      LDY  #0
2685 60        6090      RTS
6100      ;
6110      ; Who can see man?
6120      ;

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2686		6130	ST	
2686	201927	6140		JSR ST97
2689	A981	6150		LDA #129
268B	858A	6160		STA U5
268D	C68F	6170		DEC XCL
268F		6180	ST2	
268F	20DF26	6190		JSR ST99
2692	C68F	6200		DEC XCL
2694	C900	6210		CMP #0
2696	F0F7	6220		BEQ ST2
2698	A58F	6230		LDA XCL
269A	858B	6240		STA U6
269C	201927	6250		JSR ST97
269F	A901	6260		LDA #1
26A1	858A	6270		STA U5
26A3	E68F	6280		INC XCL
26A5		6290	ST3	
26A5	20DF26	6300		JSR ST99
26A8	E68F	6310		INC XCL
26AA	C900	6320		CMP #0
26AC	F0F7	6330		BEQ ST3
26AE	A58F	6340		LDA XCL
26B0	858C	6350		STA U7
26B2	201927	6360		JSR ST97
26B5	A9E0	6370		LDA #224
26B7	858A	6380		STA U5
26B9	C690	6390		DEC YRM
26BB		6400	ST4	
26BB	20DF26	6410		JSR ST99
26BE	C690	6420		DEC YRM
26C0	C900	6430		CMP #0
26C2	F0F7	6440		BEQ ST4
26C4	A590	6450		LDA YRM
26C6	858D	6460		STA U8
26C8	201927	6470		JSR ST97
26CB	A960	6480		LDA #96
26CD	858A	6490		STA U5
26CF	E690	6500		INC YRM
26D1		6510	ST5	
26D1	20DF26	6520		JSR ST99
26D4	E690	6530		INC YRM
26D6	C900	6540		CMP #0
26D8	F0F7	6550		BEQ ST5
26DA	A590	6560		LDA YRM
26DC	858E	6570		STA U9
26DE	60	6580		RTS
26DF		6590	ST99	
26DF	A58A	6600		LDA U5
26E1	297F	6610		AND #127
26E3	8586	6620		STA U1
26E5	A58A	6630		LDA U5
26E7	2980	6640		AND #128
26E9	C900	6650		CMP #0
26EB	F00E	6660		BEQ Z1
26ED	A580	6670		LDA L0A
26EF	38	6680		SEC
26F0	E586	6690		SBC U1
26F2	B002	6700		BCS Z2

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26F4 C681      6710      DEC HIA
26F6          6720      Z2
26F6 8580      6730      STA LOA
26F8 4C0627    6740      JMP Z4
26FB          6750      Z1
26FB A580      6760      LDA LOA
26FD 18        6770      CLC
26FE 6586      6780      ADC U1
2700 9002      6790      BCC Z3
2702 E681      6800      INC HIA
2704          6810      Z3
2704 8580      6820      STA LOA
2706          6830      Z4
2706 A000      6840      LDY #0
2708 B180      6850      LDA (LOA),Y
270A E8        6860      INX
270B C900      6870      CMP #0
270D F007      6880      BEQ ST98
270F C937      6890      CMP #55
2711 F003      6900      BEQ ST98
2713          6910      ST96
2713 A901      6920      LDA #1
2715 60        6930      RTS
2716          6940      ST98
2716 A900      6950      LDA #0
2718 60        6960      RTS
2719          6970      ST97
2719 A200      6980      LDX #0
271B A593      6990      LDA XPO5
271D 858F      7000      STA XCL
271F A594      7010      LDA YPO5
2721 8590      7020      STA YRM
2723 202926    7030      JSR X96
2726 60        7040      RTS
7050      ;
7060      ; Set up Transporters
7070      ;
7080      ; GR
7090      LDA 53770
722A 2903      7100      AND #3
722C 18        7110      CLC
722D 6903      7120      ADC #3
722F 0A        7130      ASL A
7230 0A        7140      ASL A
7231 858F      7150      STA XCL
7233 18        7160      CLC
7234 6902      7170      ADC #2
7236 859D      7180      STA GX1
7238 AD0AD2    7190      LDA 53770
723B 2903      7200      AND #3
723D 0A        7210      ASL A
723E 0A        7220      ASL A
723F 8590      7230      STA YRM
7241 18        7240      CLC
7242 6902      7250      ADC #2
7244 859E      7260      STA GY1
7246 206C27    7270      JSR GR2
7249 AD0AD2    7280      LDA 53770

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274C 2903      7290      AND  #3
274E 18       7300      CLC
274F 6909     7310      ADC  #9
2751 0A       7320      ASL  A
2752 0A       7330      ASL  A
2753 858F     7340      STA  XCL
2755 18       7350      CLC
2756 6902     7360      ADC  #2
2758 859F     7370      STA  GX2
275A AD0AD2   7380      LDA  53770
275D 2903     7390      AND  #3
275F 0A       7400      ASL  A
2760 0A       7410      ASL  A
2761 8590     7420      STA  YRM
2763 18       7430      CLC
2764 6902     7440      ADC  #2
2766 85A0     7450      STA  GY2
2768 206C27   7460      JSR  GR2
276B 60       7470      RTS
276C         7480      GR2
276C A911     7490      LDA  #17
276E 201E25   7500      JSR  W91
2771 E690     7510      INC  YRM
2773 E690     7520      INC  YRM
2775 A909     7530      LDA  #9
2777 201E25   7540      JSR  W91
277A C690     7550      DEC  YRM
277C C690     7560      DEC  YRM
277E E68F     7570      INC  XCL
2780 E68F     7580      INC  XCL
2782 A915     7590      LDA  #21
2784 201E25   7600      JSR  W91
2787 E68F     7610      INC  XCL
2789 E68F     7620      INC  XCL
278B A919     7630      LDA  #25
278D 201E25   7640      JSR  W91
2790 E690     7650      INC  YRM
2792 E690     7660      INC  YRM
2794 A90D     7670      LDA  #13
2796 201E25   7680      JSR  W91
2799 E690     7690      INC  YRM
279B E690     7700      INC  YRM
279D 20F725   7710      JSR  PTW
27A0 A58F     7720      LDA  XCL
27A2 38       7730      SEC
27A3 E904     7740      SBC  #4
27A5 858F     7750      STA  XCL
27A7 20F725   7760      JSR  PTW
27AA 60       7770      RTS
                7780      ;
                7790      ; VERTICAL BLANK
                7800      ; (Used for smooth-scroll)
                7810      ;
                7820      ; INT
27AB         7830      LDY  #VBK&255
27AD A227     7840      LDX  #VBK/256
27AF A906     7850      LDA  #6
27B1 205CE4   7860      JSR  SEVBV

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27B4		7870	INT2	
27B4	A200	7880	LDX	#0
27B6	A99D	7890	LDA	#157
27B8		7900	AGN2	
27B8	9D8E38	7910	STA	SCR5,X
27BB	E8	7920	INX	
27BC	E007	7930	CPX	#7
27BE	D0F8	7940	BNE	AGN2
27C0	A933	7950	LDA	#51
27C2	8585	7960	STA	HIC
27C4	60	7970	RTS	
27C5		7980	UBK	
27C5	A940	7990	LDA	#64
27C7	85B7	8000	STA	DHI
27C9	A595	8010	LDA	MNX
27CB	4A	8020	LSR	A
27CC	4A	8030	LSR	A
27CD	29FE	8040	AND	#254
27CF	85B6	8050	STA	DLO
27D1	A004	8060	LDY	#4
27D3		8070	AGN	
27D3	A5B6	8080	LDA	DLO
27D5	99B42F	8090	STA	DLIST,Y
27D8	C8	8100	INY	
27D9	A5B7	8110	LDA	DHI
27DB	99B42F	8120	STA	DLIST,Y
27DE	A5B6	8130	LDA	DLO
27E0	18	8140	CLC	
27E1	6960	8150	ADC	#96
27E3	9002	8160	BCC	NXT
27E5	E6B7	8170	INC	DHI
27E7		8180	NXT	
27E7	85B6	8190	STA	DLO
27E9	C8	8200	INY	
27EA	C8	8210	INY	
27EB	C046	8220	CPY	#70
27ED	D0E4	8230	BNE	AGN
27EF	A595	8240	LDA	MNX
27F1	2907	8250	AND	#7
27F3	4907	8260	EOR	#7
27F5	8D04D4	8270	STA	54276
27F8	4C5FE4	8280	JMP	54SUBU
27FB		8290	FND	
27FB	20FE27	8300	JSR	FND1A
27FE		8310	FND1A	
27FE	8588	8320	STA	V3
2800	290C	8330	AND	#12
2802	C900	8340	CMP	#0
2804	D003	8350	BNE	FND1
2806	4C1828	8360	JMP	FND3
2809		8370	FND1	
2809	C908	8380	CMP	#8
280B	D002	8390	BNE	FND2
280D	E68F	8400	INC	XCL
280F		8410	FND2	
280F	C904	8420	CMP	#4
2811	D015	8430	BNE	FND5
2813	C68F	8440	DEC	XCL

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2815 4C2828      8450      JMP  FND5
2818            8460      FND3
2818 A588        8470      LDA  U3
281A 2903       8480      AND  #3
281C C902       8490      CMP  #2
281E D002       8500      BNE  FND4
2820 E690       8510      INC  YRW
2822            8520      FND4
2822 C901       8530      CMP  #1
2824 D002       8540      BNE  FND5
2826 C690       8550      DEC  YRW
2828            8560      FND5
2828 A588        8570      LDA  U3
282A 60         8580      RTS
282B            8590      REVER5
282B 8588       8600      STA  U3
282D 290C       8610      AND  #12
282F C900       8620      CMP  #0
2831 F002       8630      BEQ  RV51
2833 490C       8640      EOR  #12
2835            8650      RV51
2835 8586       8660      STA  U1
2837 A588       8670      LDA  U3
2839 2903       8680      AND  #3
283B C900       8690      CMP  #0
283D F002       8700      BEQ  RV52
283F 4903       8710      EOR  #3
2841            8720      RV52
2841 18         8730      CLC
2842 6586       8740      ADC  U1
2844 60         8750      RTS
2845            8760      PLY
2845 A908       8770      LDA  #8
2847 85AB       8780      STA  SNGX
2849 60         8790      RTS
                8800      ;
                8810      ; Found Treasure!
                8820      ;
284A            8830      FDT
284A 204528    8840      JSR  PLY
284D A2A8      8850      LDX  #168
284F 86AA      8860      STX  PLAY
2851 A2C0      8870      LDX  #192
2853 8684      8880      STX  LOC
2855 A204      8890      LDX  #4
2857 20DE28   8900      JSR  SCR
285A A9AB      8910      LDA  #171
285C 201E25   8920      JSR  W91
285F A9AB      8930      LDA  #171
2861 60        8940      RTS
                8950      ;
                8960      ; Found Key!
                8970      ;
2862            8980      FDK
2862 A5AF       8990      LDA  KEY
2864 C901       9000      CMP  #1
2866 D001       9010      BNE  FDL
2868 60         9020      RTS

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2869          9030 FDL
2869 204528    9040      JSR PLY
286C A2A8     9050      LDX #168
286E 86AA     9060      STX PLAY
2870 A2D0     9070      LDX #208
2872 8684     9080      STX LOC
2874 A901     9090      LDA #1
2876 85AF     9100      STA KEY
2878 20CA28   9110      JSR CLR
287B A900     9120      LDA #0
287D 60       9130      RTS
                9140      ;
                9150      ; Found Keyhole!
                9160      ;
287E          9170 FDI
287E A5AF     9180      LDA KEY
2880 C900     9190      CMP #0
2882 F015     9200      BEQ FDI
2884 204528   9210      JSR PLY
2887 A2A8     9220      LDX #168
2889 86AA     9230      STX PLAY
288B A2C8     9240      LDX #208
288D 8684     9250      STX LOC
288F A900     9260      LDA #0
2891 85AF     9270      STA KEY
2893 20CA28   9280      JSR CLR
2896 A900     9290      LDA #0
2898 60       9300      RTS
2899          9310 FDI
2899 A9AB     9320      LDA #171
289B 60       9330      RTS
                9340      ;
                9350      ; Release Prisoner
                9360      ;
289C          9370 FDP
289C 204528   9380      JSR PLY
289F A2A8     9390      LDX #168
28A1 86AA     9400      STX PLAY
28A3 A2E0     9410      LDX #224
28A5 8684     9420      STX LOC
28A7 20CA28   9430      JSR CLR
28AA A203     9440      LDX #3
28AC 20DE28   9450      JSR SCR
28AF A900     9460      LDA #0
28B1 858F     9470      STA XCL
28B3 A902     9480      LDA #2
28B5 8590     9490      STA YRM
28B7 206C27   9500      JSR GR2
28BA A902     9510      LDA #2
28BC 858F     9520      STA XCL
28BE A904     9530      LDA #4
28C0 8590     9540      STA YRM
28C2 A9F4     9550      LDA #244
28C4 201E25   9560      JSR M91
28C7 A900     9570      LDA #0
28C9 60       9580      RTS
                9590      ;
                9600      ; Clear Location
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28CA      282926      9610      ;
28CA      A900      9620      CLR
28CD      9180      9630      JSR X96
28CF      A001      9640      LDA #0
28D3      9180      9650      STA (LOA),Y
28D5      A060      9660      LDY #1
28D7      9180      9670      STA (LOA),Y
28D9      A061      9680      LDY #96
28DB      9180      9690      STA (LOA),Y
28DD      60        9700      LDY #97
                9710      STA (LOA),Y
                9720      RTS
                9730      ;
                9740      ; Handle Score
                9750      ;
28DE      A901      9760      SCR
28E0      8586      9770      LDA #1
28E2      A586      9780      STA V1
28E4      C901      9790      SCR1
28E6      D02D      9800      LDA V1
28E8      E002      9810      CMP #1
28EA      D014      9820      BNE SCR3
28EC      E6B2      9830      CPX #2
28EE      8686      9840      BNE SCR4
28F0      206623      9850      INC LIVES
28F3      204528      9860      STX V1
28F6      A9E0      9870      JSR ITF
28F8      8584      9880      JSR PLY
28FA      A9A0      9890      LDA #224
28FC      85AA      9900      STA LOC
28FE      A686      9910      LDA #168
2900      A900      9920      STA PLAY
                9930      LDX V1
                9940      SCR4
2902      8586      9950      LDA #0
2904      BD8E38      9960      STA U1
2907      18        9970      LDA SCRS,X
2908      6901      9980      CLC
290A      C9A7      9990      ADC #1
290C      D004      010000      CMP #167
290E      A99D      010010      BNE SCR2
2910      E686      010020      LDA #157
2912      9D8E38      010030      INC V1
2915      CA        010040      SCR2
2918      D0C8      010050      STA SCRS,X
291A      60        010060      SCR3
291B      A992      010070      DEX
291D      8586      010080      CPX #255
291F      A5B3      010090      BNE SCR1
2921      38        010100      RTS
                010110      ;
                010120      ; Move Man Around
                010130      ;
                010140      MN
291B      A992      010150      LDA #146
291D      8586      010160      STA V1
291F      A5B3      010170      LDA NOM
2921      38        010180      SEC

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2922 C980      010190    CMP  #128
2924 9004      010200    BCC ZX
2926 A944      010210    LDA #68
2928 8586      010220    STA V1
292A          010230    ZX
292A A514      010240    LDA 20
292C 2907      010250    AND #7
292E 18        010260    CLC
292F 6586      010270    ADC V1
2931          010280    ZZ
2931 8DC402     010290    STA 708
2934 AD00D3     010300    LDA 54016
2937 290C      010310    AND #12
2939 490C      010320    EOR #12
293B C900      010330    CMP #0
293D F005      010340    BEQ MN1
293F 8599      010350    STA 5TK
2941 4C4D29     010360    JMP MN2
2944          010370    MN1
2944 AD00D3     010380    LDA 54016
2947 2903      010390    AND #3
2949 4903      010400    EOR #3
294B 8599      010410    STA 5TK
294D          010420    MN2
294D A595      010430    LDA MNX
294F 4A        010440    LSR A
2950 4A        010450    LSR A
2951 29FE      010460    AND #254
2953 8593      010470    STA XP05
2955 A595      010480    LDA MNX
2957 2907      010490    AND #7
2959 C900      010500    CMP #0
295B F003      010510    BEQ MN3
295D 4C112A     010520    JMP MN14
2960          010530    MN3
2960 A596      010540    LDA MNY
2962 4A        010550    LSR A
2963 4A        010560    LSR A
2964 4A        010570    LSR A
2965 29FE      010580    AND #254
2967 8594      010590    STA YP05
2969 A596      010600    LDA MNY
296B 290F      010610    AND #15
296D C900      010620    CMP #0
296F F003      010630    BEQ MN4
2971 4C112A     010640    JMP MN14
2974          010650    MN4
2974 A59B      010660    LDA TRGR
2976 C900      010670    CMP #0
2978 F037      010680    BEQ MN7
297A A599      010690    LDA 5TK
297C C900      010700    CMP #0
297E F031      010710    BEQ MN7
2980 A593      010720    LDA XP05
2982 858F      010730    STA XCL
2984 A594      010740    LDA YP05
2986 8590      010750    STA YRW
2988 A599      010760    LDA 5TK

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298A 20FB27      010770      JSR  FND
298D 202926      010780      JSR  X96
2990 B180        010790      LDA  (L0A),Y
2992 C9A7        010800      CMP  #167
2994 D003        010810      BNE  MN5
2996 204A28      010820      JSR  FDT
2999            010830      MN5
2999 C9AF        010840      CMP  #175
299B D003        010850      BNE  MN6
299D 206228      010860      JSR  FDK
29A0            010870      MN6
29A0 C900        010880      CMP  #0
29A2 F009        010890      BEQ  MNA
29A4 38          010900      SEC
29A5 C934        010910      CMP  #52
29A7 9008        010920      BCC  MN7
29A9 C9AB        010930      CMP  #171
29AB F004        010940      BEQ  MN7
29AD            010950      MNA
29AD A599        010960      LDA  5TK
29AF 859C        010970      STA  MVE
29B1            010980      MN7
29B1 A593        010990      LDA  XP05
29B3 858F        011000      STA  XCL
29B5 A594        011010      LDA  YP05
29B7 8590        011020      STA  YRW
29B9 A59C        011030      LDA  MVE
29BB 20FB27      011040      JSR  FND
29BE 202926      011050      JSR  X96
29C1 B180        011060      LDA  (L0A),Y
29C3 C9A7        011070      CMP  #167
29C5 D003        011080      BNE  MN8
29C7 204A28      011090      JSR  FDT
29CA            011100      MN8
29CA C9AF        011110      CMP  #175
29CC D003        011120      BNE  MN9
29CE 206228      011130      JSR  FDK
29D1            011140      MN9
29D1 C9B3        011150      CMP  #179
29D3 D003        011160      BNE  MN10
29D5 207E28      011170      JSR  FDH
29D8            011180      MN10
29D8 C9F4        011190      CMP  #244
29DA D002        011200      BNE  MN11
29DC E6AE        011210      INC  OVER
29DE            011220      MN11
29DE C9E8        011230      CMP  #232
29E0 D003        011240      BNE  MN11A
29E2 209C28      011250      JSR  FDP
29E5            011260      MN11A
29E5 C900        011270      CMP  #0
29E7 F010        011280      BEQ  MN13
29E9 38          011290      SEC
29EA C934        011300      CMP  #52
29EC 9007        011310      BCC  MN12
29EE C9AB        011320      CMP  #171
29F0 F003        011330      BEQ  MN12
29F2 4CF929      011340      JMP  MN13

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29F5          011350  MN12
29F5 A900     011360  LDA #0
29F7 859C     011370  STA MUE
29F9          011380  MN13
29F9 A595     011390  LDA MNX
29FB 858F     011400  STA XCL
29FD A596     011410  LDA MNY
29FF 8590     011420  STA YRW
2A01 A59C     011430  LDA MUE
2A03 20FE27  011440  JSR FND1A
2A06 A58F     011450  LDA XCL
2A08 8595     011460  STA MNX
2A0A A590     011470  LDA YRW
2A0C 8596     011480  STA MNY
2A0E 4C302A  011490  JMP SW
2A11          011500  MN14
2A11 A59B     011510  LDA TRGR
2A13 C900     011520  CMP #0
2A15 F0E2     011530  BEQ MN13
2A17 A599     011540  LDA STK
2A19 C900     011550  CMP #0
2A1B D003     011560  BNE MN15
2A1D 4CF929  011570  JMP MN13
2A20          011580  MN15
2A20 A59C     011590  LDA MUE
2A22 202B28  011600  JSR REVERS
2A25 C599     011610  CMP STK
2A27 D004     011620  BNE MN16
2A29 A599     011630  LDA STK
2A2B 859C     011640  STA MUE
2A2D          011650  MN16
2A2D 4CF929  011660  JMP MN13
                ;
                ; Display Man on screen
                ;
2A30          011700  SW
2A30 A59C     011710  LDA MUE
2A32 C900     011720  CMP #0
2A34 F025     011730  BEQ SW4
2A36 A5B0     011740  LDA SHOMN
2A38 2980     011750  AND #128
2A3A C900     011760  CMP #0
2A3C F010     011770  BEQ SW2
2A3E A5B0     011780  LDA SHOMN
2A40 18       011790  CLC
2A41 6912     011800  ADC #18
2A43 C9DA     011810  CMP #218
2A45 D002     011820  BNE SW1
2A47 A948     011830  LDA #72
2A49          011840  SW1
2A49 85B0     011850  STA SHOMN
2A4B 4C5B2A  011860  JMP SW4
2A4E          011870  SW2
2A4E A5B0     011880  LDA SHOMN
2A50 38       011890  SEC
2A51 E912     011900  SBC #18
2A53 C9EE     011910  CMP #238
2A55 D002     011920  BNE SW3

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2A57 A980      011930      LDA #128
2A59          011940      SW3
2A59 85B0      011950      STA SHOMN
2A5B          011960      SW4
2A5B A920      011970      LDA #32
2A5D 8580      011980      STA LOA
2A5F A93C      011990      LDA #60
2A61 8581      012000      STA HIA
2A63 A59C      012010      LDA MVE
2A65 C908      012020      CMP #8
2A67 D008      012030      BNE SW5
2A69 A960      012040      LDA #96
2A6B 8582      012050      STA LO
2A6D A937      012060      LDA #55
2A6F 8583      012070      STA HI
2A71          012080      SW5
2A71 C904      012090      CMP #4
2A73 D008      012100      BNE SW6
2A75 A900      012110      LDA #0
2A77 8582      012120      STA LO
2A79 A934      012130      LDA #52
2A7B 8583      012140      STA HI
2A7D          012150      SW6
2A7D C902      012160      CMP #2
2A7F D008      012170      BNE SW7
2A81          012180      SW6A
2A81 A920      012190      LDA #32
2A83 8582      012200      STA LO
2A85 A935      012210      LDA #53
2A87 8583      012220      STA HI
2A89          012230      SW7
2A89 C901      012240      CMP #1
2A8B D008      012250      BNE SW8
2A8D A940      012260      LDA #64
2A8F 8582      012270      STA LO
2A91 A936      012280      LDA #54
2A93 8583      012290      STA HI
2A95          012300      SW8
2A95 C900      012310      CMP #0
2A97 D003      012320      BNE SW9
2A99 4C812A    012330      JMP SW6A
2A9C          012340      SW9
2A9C A5B0      012350      LDA SHOMN
2A9E 297F      012360      AND #127
2AA0 18        012370      CLC
2AA1 6582      012380      ADC LO
2AA3 9002      012390      BCC SW10
2AA5 E683      012400      INC HI
2AA7          012410      SW10
2AA7 8582      012420      STA LO
2AA9 A580      012430      LDA LOA
2AAB 18        012440      CLC
2AAC 6596      012450      ADC MNY
2AAE 9002      012460      BCC SW11
2AB0 E681      012470      INC HIA
2AB2          012480      SW11
2AB2 8580      012490      STA LOA
2AB4 A200      012500      LDX #0

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2AB6          012510 SW12
2AB6 A000      012520 LDY #0
2AB8          012530 SW13
2AB8 B182     012540 LDA (L0),Y
2ABA 9180     012550 STA (LOA),Y
2ABC C8       012560 INY
2ABD C012     012570 CPY #18
2ABF D0F7     012580 BNE SW13
2AC1 A582     012590 LDA L0
2AC3 18       012600 CLC
2AC4 695A     012610 ADC #90
2AC6 9002     012620 BCC SW14
2AC8 E683     012630 INC HI
2ACA          012640 SW14
2ACA 8582     012650 STA L0
2ACC E681     012660 INC HIA
2ACE E8       012670 INX
2ACF E003     012680 CPX #3
2AD1 D0E3     012690 BNE SW12
2AD3 60       012700 RTS
2AD4          012710 PCLR
2AD4 A920     012720 LDA #32
2AD6 8580     012730 STA LOA
2AD8 A93C     012740 LDA #60
2ADA 8581     012750 STA HIA
2ADC A200     012760 LDX #0
2ADE 8E1ED0   012770 STX 53278
2AE1          012780 PC1
2AE1 A000     012790 LDY #0
2AE3 A900     012800 LDA #0
2AE5          012810 PC2
2AE5 9180     012820 STA (LOA),Y
2AE7 C8       012830 INY
2AE8 C0AA     012840 CPY #170
2AEA D0F9     012850 BNE PC2
2AEC E681     012860 INC HIA
2AEE E8       012870 INX
2AEF E003     012880 CPX #3
2AF1 D0EE     012890 BNE PC1
2AF3 60       012900 RTS
                012910 ;
                012920 ; Move Monsters Around
                012930 ;
2AF4          012940 H
2AF4 A900     012950 LDA #0
2AF6 8589     012960 STA V4
2AF8 B5B8     012970 LDA BDX,X
2AFA 38       012980 SEC
2AFB C597     012990 CMP MNXA
2AFD 900C     013000 BCC H1
2AFF 38       013010 SEC
2B00 E597     013020 SBC MNXA
2B02 8586     013030 STA V1
2B04 A904     013040 LDA #4
2B06 85A4     013050 STA TXY
2B08 4C162B   013060 JMP H2
2B0B          013070 H1
2B0B A597     013080 LDA MNXA

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2B0D	38	013090	SEC	
2B0E	F5B8	013100	SBC	BDX,X
2B10	8586	013110	STA	U1
2B12	A908	013120	LDA	#8
2B14	85A4	013130	STA	TXY
2B16		013140	H2	
2B16	B5D8	013150	LDA	BDY,X
2B18	38	013160	SEC	
2B19	C598	013170	CMP	MNYA
2B1B	900F	013180	BCC	H3
2B1D	38	013190	SEC	
2B1E	E598	013200	SBC	MNYA
2B20	8587	013210	STA	U2
2B22	A5A4	013220	LDA	TXY
2B24	18	013230	CLC	
2B25	6901	013240	ADC	#1
2B27	85A4	013250	STA	TXY
2B29	4C3A2B	013260	JMP	H4
2B2C		013270	H3	
2B2C	A598	013280	LDA	MNYA
2B2E	38	013290	SEC	
2B2F	F5D8	013300	SBC	BDY,X
2B31	8587	013310	STA	U2
2B33	A5A4	013320	LDA	TXY
2B35	18	013330	CLC	
2B36	6902	013340	ADC	#2
2B38	85A4	013350	STA	TXY
2B3A		013360	H4	
2B3A	A587	013370	LDA	U2
2B3C	38	013380	SEC	
2B3D	C586	013390	CMP	U1
2B3F	B023	013400	BCS	H8
2B41		013410	H5	
2B41	A90C	013420	LDA	#12
2B43	858A	013430	STA	U5
2B45	20D32B	013440	JSR	CK
2B48	C901	013450	CMP	#1
2B4A	D003	013460	BNE	H6
2B4C	4C8A2B	013470	JMP	H11
2B4F		013480	H6	
2B4F	A903	013490	LDA	#3
2B51	858A	013500	STA	U5
2B53	20D32B	013510	JSR	CK
2B56	C901	013520	CMP	#1
2B58	D003	013530	BNE	H7
2B5A	4C8A2B	013540	JMP	H11
2B5D		013550	H7	
2B5D	A5A4	013560	LDA	TXY
2B5F	202B28	013570	JSR	REVER5
2B62	85A4	013580	STA	TXY
2B64		013590	H8	
2B64	A903	013600	LDA	#3
2B66	858A	013610	STA	U5
2B68	20D32B	013620	JSR	CK
2B6B	C901	013630	CMP	#1
2B6D	D003	013640	BNE	H9
2B6F	4C8A2B	013650	JMP	H11
2B72		013660	H9	


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2B72 A90C      013670      LDA #12
2B74 858A      013680      STA U5
2B76 20D32B    013690      JSR CK
2B79 C901      013700      CMP #1
2B7B D003      013710      BNE H10
2B7D 4C8A2B    013720      JMP H11
2B80          013730      H10
2B80 A5A4      013740      LDA TXY
2B82 202B28    013750      JSR REVERS
2B85 85A4      013760      STA TXY
2B87 4C412B    013770      JMP H5
2B8A          013780      H11
2B8A B5B8      013790      LDA BDX, X
2B8C 858F      013800      STA XCL
2B8E B5D8      013810      LDA BDY, X
2B90 8590      013820      STA YRM
2B92 BD0006    013830      LDA BDX, X
2B95 20FE27    013840      JSR FND1A
2B98 A58F      013850      LDA XCL
2B9A 95B8      013860      STA BDX, X
2B9C A590      013870      LDA YRM
2B9E 95D8      013880      STA BDY, X
2BA0 60        013890      RTS
2BA1          013900      RANDOM
2BA1 A900      013910      LDA #0
2BA3 8589      013920      STA U4
2BA5 AD0AD2    013930      LDA 53770
2BA8 2903      013940      AND #3
2BA9 C900      013950      CMP #0
2BAC D002      013960      BNE RM1
2BAE A005      013970      LDY #5
2BB0          013980      RM1
2BB0 C901      013990      CMP #1
2BB2 D002      014000      BNE RM2
2BB4 A009      014010      LDY #9
2BB6          014020      RM2
2BB6 C902      014030      CMP #2
2BB8 D002      014040      BNE RM3
2BBA A006      014050      LDY #6
2BBC          014060      RM3
2BBC C903      014070      CMP #3
2BBE D002      014080      BNE RM4
2BC0 A00A      014090      LDY #10
2BC2          014100      RM4
2BC2 84A4      014110      STY TXY
2BC4 AD0AD2    014120      LDA 53770
2BC7 2901      014130      AND #1
2BC9 C900      014140      CMP #0
2BCB F003      014150      BEQ RM5
2BCD 4C412B    014160      JMP H5
2BD0          014170      RM5
2BD0 4C642B    014180      JMP H8
2BD3          014190      CK
2BD3 A900      014200      LDA #0
2BD5 85A5      014210      STA JUMP
2BD7 E689      014220      INC V4
2BD9 A904      014230      LDA #4
2BDB 38        014240      SEC

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2BDC	C589	014250	CMP	U4
2BDE	9010	014260	BCC	CK1
2BE0	BD0006	014270	LDA	BDXY, X
2BE3	202B28	014280	JSR	REVERS
2BE6	8588	014290	STA	U3
2BE8	A5A4	014300	LDA	TXY
2BEA	258A	014310	AND	U5
2BEC	C588	014320	CMP	U3
2BEE	F037	014330	BEQ	CK2
2BF0		014340	CK1	
2BF0	B5B8	014350	LDA	BDX, X
2BF2	858F	014360	STA	XCL
2BF4	B5D8	014370	LDA	BDY, X
2BF6	8590	014380	STA	YRW
2BF8	A5A4	014390	LDA	TXY
2BFA	258A	014400	AND	U5
2BFC	20FB27	014410	JSR	FND
2BFF	202926	014420	JSR	X96
2C02	B180	014430	LDA	(LOA), Y
2C04	C900	014440	CMP	#0
2C06	F014	014450	BEQ	C3
2C08	38	014460	SEC	
2C09	C9A6	014470	CMP	#166
2C0B	9005	014480	BCC	CA
2C0D	38	014490	SEC	
2C0E	C9C1	014500	CMP	#193
2C10	9015	014510	BCC	CK2
2C12		014520	CA	
2C12	38	014530	SEC	
2C13	C937	014540	CMP	#55
2C15	9010	014550	BCC	CK2
2C17	38	014560	SEC	
2C18	C9E7	014570	CMP	#231
2C1A	B00B	014580	BC5	CK2
2C1C		014590	C3	
2C1C	A901	014600	LDA	#1
2C1E	85A5	014610	STA	JUMP
2C20	A5A4	014620	LDA	TXY
2C22	258A	014630	AND	U5
2C24	9D0006	014640	STA	BDXY, X
2C27		014650	CK2	
2C27	A5A5	014660	LDA	JUMP
2C29	60	014670	RTS	
2C2A		014680	BT	
2C2A	A900	014690	LDA	#0
2C2C	85A6	014700	STA	CNTR
2C2E	A6A7	014710	LDX	XCNT
2C30		014720	B1	
2C30	BD4006	014730	LDA	ALU, X
2C33	C900	014740	CMP	#0
2C35	D041	014750	BNE	BT1
2C37	AD0AD2	014760	LDA	53770
2C3A	38	014770	SEC	
2C3B	C5B1	014780	CMP	LVL
2C3D	9003	014790	BCC	B1A
2C3F	4C382D	014800	JMP	B12
2C42		014810	B1A	
2C42	A5B3	014820	LDA	NOM

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2C44 38          014830      SEC
2C45 C980       014840      CMP #128
2C47 B003       014850      BCS B1T
2C49 4C382D     014860      JMP B12
2C4C           014870      B1T
2C4C AD0AD2     014880      LDA 53770
2C4F 2901       014890      AND #1
2C51 C901       014900      CMP #1
2C53 F018       014910      BEQ BT0
2C55 A59D       014920      LDA GX1
2C57 95B8       014930      STA BDX,X
2C59 A59E       014940      LDA GY1
2C5B 95D8       014950      STA BDY,X
2C5D           014960      BTA
2C5D A5B1       014970      LDA LVL
2C5F 2D0AD2     014980      AND 53770
2C62 2903       014990      AND #3
2C64 18         015000      CLC
2C65 6901       015010      ADC #1
2C67 9D4006     015020      STA ALU,X
2C6A 4C782C     015030      JMP BT1
2C6D           015040      BT0
2C6D A59F       015050      LDA GX2
2C6F 95B8       015060      STA BDX,X
2C71 A5A0       015070      LDA GY2
2C73 95D8       015080      STA BDY,X
2C75 4C5D2C     015090      JMP BTA
2C78           015100      BT1
2C78 B5D8       015110      LDA BDY,X
2C7A 8590       015120      STA YRM
2C7C B5B8       015130      LDA BDX,X
2C7E 858F       015140      STA XCL
2C80 20CA28     015150      JSR CLR
2C83 B5B8       015160      LDA BDX,X
2C85 2901       015170      AND #1
2C87 C900       015180      CMP #0
2C89 F003       015190      BEQ BT2
2C8B 4C902D     015200      JMP B14
2C8E           015210      BT2
2C8E B5D8       015220      LDA BDY,X
2C90 2901       015230      AND #1
2C92 C900       015240      CMP #0
2C94 F003       015250      BEQ BT3
2C96 4C902D     015260      JMP B14
                015270      ;
                015280      ; If Monster can see Man,
                015290      ; have all Monsters find
                015300      ; their way to where Man
                015310      ; was seen last.
                015320      ;
2C99           015330      BT3
2C99 B5B8       015340      LDA BDX,X
2C9B C593       015350      CMP XPO5
2C9D D039       015360      BNE BT5
2C9F B5D8       015370      LDA BDY,X
2CA1 38         015380      SEC
2CA2 C58D       015390      CMP V8
2CA4 9032       015400      BCC BT5

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2CA6	38	015410	SEC
2CA7	C58E	015420	CMP U9
2CA9	B02D	015430	BCS BT5
2CAB	A594	015440	LDA YP05
2CAD	38	015450	SEC
2CAE	D5D8	015460	CMP BDY, X
2CB0	900A	015470	BCC BT6
2CB2	BD0006	015480	LDA BDX, X
2CB5	C901	015490	CMP #1
2CB7	F01F	015500	BEQ BT5
2CB9	4CC32C	015510	JMP B7
2CBC		015520	BT6
2CBC	BD0006	015530	LDA BDX, X
2CBF	C902	015540	CMP #2
2CC1	F015	015550	BEQ BT5
2CC3		015560	B7
2CC3	A901	015570	LDA #1
2CC5	85AC	015580	STA SP0T
2CC7	85AD	015590	STA SP0T2
2CC9	A000	015600	LDY #0
2CCB	A901	015610	LDA #1
2CCD		015620	BT4
2CCD	992006	015630	STA BDG, Y
2CD0	C8	015640	INY
2CD1	C020	015650	CPY #32
2CD3	D0F8	015660	BNE BT4
2CD5	4C052D	015670	JMP B9
2CD8		015680	BT5
2CD8	B5D8	015690	LDA BDY, X
2CDA	C594	015700	CMP YP05
2CDC	D027	015710	BNE B9
2CDE	B5B8	015720	LDA BDX, X
2CE0	38	015730	SEC
2CE1	C58B	015740	CMP U6
2CE3	9020	015750	BCC B9
2CE5	38	015760	SEC
2CE6	C58C	015770	CMP U7
2CE8	B01B	015780	BCS B9
2CEA	A593	015790	LDA XP05
2CEC	38	015800	SEC
2CED	D5B8	015810	CMP BDX, X
2CEF	900A	015820	BCC B8
2CF1	BD0006	015830	LDA BDX, X
2CF4	C904	015840	CMP #4
2CF6	F00D	015850	BEQ B9
2CF8	4CC32C	015860	JMP B7
2CFB		015870	B8
2CFB	BD0006	015880	LDA BDX, X
2CFE	C908	015890	CMP #8
2D00	F003	015900	BEQ B9
2D02	4CC32C	015910	JMP B7
2D05		015920	B9
2D05	B5B8	015930	LDA BDX, X
2D07	C597	015940	CMP MNXA
2D09	D00B	015950	BNE B10
2D0B	B5D8	015960	LDA BDY, X
2D0D	C598	015970	CMP MNYA
2D0F	D005	015980	BNE B10

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2D11 A900      015990      LDA #0
2D13 9D2006    016000      STA BDG,X
2D16          016010      B10
2D16 A5AC      016020      LDA SPOT
2D18 C900      016030      CMP #0
2D1A F00C      016040      BEQ B10A
2D1C A5AD      016050      LDA SPOT2
2D1E 85AC      016060      STA SPOT
2D20 A593      016070      LDA XP05
2D22 8597      016080      STA MNXA
2D24 A594      016090      LDA YP05
2D26 8598      016100      STA MNXA
2D28          016110      B10A
2D28 BD2006    016120      LDA BDG,X
2D2B C901      016130      CMP #1
2D2D D006      016140      BNE B11
2D2F 20F42A    016150      JSR H
2D32 4C382D    016160      JMP B12
2D35          016170      B11
2D35 20A12B    016180      JSR RANDOM
2D38          016190      B12
2D38 A900      016200      LDA #0
2D3A 8587      016210      STA V2
2D3C          016220      B12A
2D3C BD4006    016230      LDA ALU,X
2D3F C900      016240      CMP #0
2D41 F036      016250      BEQ B15
2D43 C901      016260      CMP #1
2D45 D005      016270      BNE B16
2D47 A938      016280      LDA #56
2D49 4C572D    016290      JMP B20
2D4C          016300      B16
2D4C C902      016310      CMP #2
2D4E D005      016320      BNE B17
2D50 A9C8      016330      LDA #200
2D52 4C572D    016340      JMP B20
2D55          016350      B17
2D55 A9D8      016360      LDA #216
2D57          016370      B20
2D57 8586      016380      STA V1
2D59 BD0006    016390      LDA BDX,X
2D5C 2908      016400      AND #8
2D5E C908      016410      CMP #8
2D60 D007      016420      BNE B21
2D62 A586      016430      LDA V1
2D64 18        016440      CLC
2D65 6904      016450      ADC #4
2D67 8586      016460      STA V1
2D69          016470      B21
2D69 B5B8      016480      LDA BDX,X
2D6B 858F      016490      STA XCL
2D6D B5D8      016500      LDA BDY,X
2D6F 8590      016510      STA YRW
2D71 A586      016520      LDA V1
2D73 18        016530      CLC
2D74 6587      016540      ADC V2
2D76 201E25    016550      JSR W91
2D79          016560      B15

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2D79 E8          016570    INX
2D7A E020       016580    CPX #32
2D7C D004       016590    BNE BAZ
2D7E A200       016600    LDX #0
2D80 86AD       016610    STX SPOT2
2D82           016620    BAZ
2D82 E6A6       016630    INC CNTR
2D84 A908       016640    LDA #8
2D86 C5A6       016650    CMP CNTR
2D88 F003       016660    BEQ B13
2D8A 4C302C     016670    JMP B1
2D8D           016680    B13
2D8D 86A7       016690    STX XCNT
2D8F 60         016700    RTS
2D90           016710    B14
2D90 208A2B     016720    JSR H11
2D93 A908       016730    LDA #8
2D95 8587       016740    STA V2
2D97 4C3C2D     016750    JMP B12A
                016760    ;
                016770    ; SHOOT
                016780    ;
2D9A           016790    SHT
2D9A AD00D3     016800    LDA 54016
2D9D 4A         016810    LSR A
2D9E 4A         016820    LSR A
2D9F 4A         016830    LSR A
2DA0 4A         016840    LSR A
2DA1 8586       016850    STA V1
2DA3 290C       016860    AND #12
2DA5 490C       016870    EOR #12
2DA7 C900       016880    CMP #0
2DA9 F005       016890    BEQ SHTB
2DAB 859A       016900    STA STK1
2DAD 4CD32D     016910    JMP S1
2DB0           016920    SHTB
2DB0 A586       016930    LDA V1
2DB2 2903       016940    AND #3
2DB4 4903       016950    EOR #3
2DB6 C900       016960    CMP #0
2DB8 F005       016970    BEQ SHTA
2DBA 859A       016980    STA STK1
2DBC 4CD32D     016990    JMP S1
2DBF           017000    SHTA
2DBF A599       017010    LDA STK
2DC1 859A       017020    STA STK1
2DC3 AD10D0     017030    LDA 53264
2DC6 859B       017040    STA TRGR
2DC8 C900       017050    CMP #0
2DCA F007       017060    BEQ S1
2DCC A5A3       017070    LDA BLTXV
2DCE C900       017080    CMP #0
2DD0 D028       017090    BNE S3
2DD2 60         017100    RTS
2DD3           017110    S1
2DD3 A5A3       017120    LDA BLTXV
2DD5 C900       017130    CMP #0
2DD7 F003       017140    BEQ S2

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2DD9 4CFA2D      017150      JMP 53
2DDC             017160      52
2DDC A59A       017170      LDA STK1
2DDE C900       017180      CMP #0
2DE0 D001       017190      BNE 52A
2DE2 60         017200      RTS
2DE3             017210      52A
2DE3 A593       017220      LDA XPO5
2DE5 85A1       017230      STA BLTX
2DE7 A594       017240      LDA YPO5
2DE9 85A2       017250      STA BLTY
2DEB A59A       017260      LDA STK1
2DED 85A3       017270      STA BLTXY
2DEF 204528     017280      JSR PLY
2DF2 A9C0       017290      LDA #192
2DF4 8584       017300      STA LOC
2DF6 A988       017310      LDA #136
2DF8 85AA       017320      STA PLAY
2DFA             017330      53
2DFA A5A1       017340      LDA BLTX
2DFC 858F       017350      STA XCL
2DFE A5A2       017360      LDA BLTY
2E00 8590       017370      STA YRM
2E02 202926     017380      JSR X96
2E05 A900       017390      LDA #0
2E07 9180       017400      STA (LOA),Y
2E09 A5A3       017410      LDA BLTXY
2E0B 20FE27     017420      JSR FND1A
2E0E 202926     017430      JSR X96
2E11 B180       017440      LDA (LOA),Y
2E13 C900       017450      CMP #0
2E15 F007       017460      BEQ 54
2E17 A900       017470      LDA #0
2E19 85A3       017480      STA BLTXY
2E1B 4C2A2E     017490      JMP 545
2E1E             017500      54
2E1E A937       017510      LDA #55
2E20 9180       017520      STA (LOA),Y
2E22 A58F       017530      LDA XCL
2E24 85A1       017540      STA BLTX
2E26 A590       017550      LDA YRM
2E28 85A2       017560      STA BLTY
2E2A             017570      545
2E2A A000       017580      LDY #0
2E2C A58F       017590      LDA XCL
2E2E 8591       017600      STA CLX
2E30 A590       017610      LDA YRM
2E32 8592       017620      STA RMY
2E34             017630      55
2E34 A591       017640      LDA CLX
2E36 858F       017650      STA XCL
2E38 A592       017660      LDA RMY
2E3A 8590       017670      STA YRM
2E3C B9B800     017680      LDA BDX,Y
2E3F 8586       017690      STA V1
2E41 A58F       017700      LDA XCL
2E43 C586       017710      CMP V1
2E45 F007       017720      BEQ 55A

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2E47 38          017730      SEC
2E48 E901       017740      SBC #1
2E4A C586       017750      CMP U1
2E4C D03F       017760      BNE S6
2E4E           017770      SSA
2E4E B9D800     017780      LDA BDY, Y
2E51 8586       017790      STA U1
2E53 A590       017800      LDA YRM
2E55 C586       017810      CMP U1
2E57 F007       017820      BEQ S5B
2E59 38         017830      SEC
2E5A E901       017840      SBC #1
2E5C C586       017850      CMP U1
2E5E D02D       017860      BNE S6
2E60           017870      S5B
2E60 B94006     017880      LDA ALV, Y
2E63 C900       017890      CMP #0
2E65 F026       017900      BEQ S6
2E67 A900       017910      LDA #0
2E69 994006     017920      STA ALV, Y
2E6C 204528     017930      JSR PLY
2E6F A988       017940      LDA #136
2E71 85AA       017950      STA PLAY
2E73 A9D8       017960      LDA #216
2E75 8584       017970      STA LOC
2E77 A206       017980      LDX #6
2E79 20DE28     017990      JSR SCR
2E7C B9B800     018000      LDA BDY, Y
2E7F 858F       018010      STA XCL
2E81 B9D800     018020      LDA BDY, Y
2E84 8590       018030      STA YRM
2E86 848A       018040      STY U5
2E88 20CA28     018050      JSR CLR
2E8B A48A       018060      LDY U5
2E8D           018070      S6
2E8D C8         018080      INY
2E8E C020       018090      CPY #32
2E90 D0A2       018100      BNE S5
2E92 60         018110      RTS
                018120      ;
                018130      ; Check speed to determine
                018140      ; when to move the Monsters
                018150      ;
                018160      Q
2E93           018170      LDA TIMES
2E93 A5A8       018180      CLC
2E95 18         018190      ADC SPEED
2E96 65A9       018200      STA TIMES
2E98 85A8       018210      SEC
2E9A 38         018220      CMP #11
2E9B C90B       018230      BCS Q1
2E9D B001       018240      RTS
2E9F 60         018250      Q1
2EA0           018260      SEC
2EA0 38         018270      SBC #12
2EA1 E90C       018280      STA TIMES
2EA3 85A8       018290      JSR ST
2EA5 208626     018290      JSR BT
2EA8 202A2C     018300

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2EAB 60          018310      RTS
2EAC           018320      LP
2EAC 20B427     018330      JSR INT2
2EAF 20A923     018340      JSR W
2EB2 A99D       018350      LDA #157
2EB4 8D9838     018360      STA 5CR5+10
2EB7 8D9938     018370      STA 5CR5+11
2EBA A903       018380      LDA #3
2EBC 85B2       018390      STA LIVES
2EBE A20B       018400      LDX #11
2EC0 20DE28     018410      JSR SCR
2EC3 206023     018420      JSR ITA
2EC6 A900       018430      LDA #0
2EC8 8D1ED0     018440      STA 53278
                018450      ;
                018460      ; MAIN CONTROL LOOP OF PROGRAM
                018470      ;
                018480      LP2
2ECB AD05D0     018490      LDA 53253
2ECE 2906       018500      AND #6
2ED0 C900       018510      CMP #0
2ED2 F051       018520      BEQ LP5
2ED4 C6B2       018530      DEC LIVES
2ED6 A98A       018540      LDA #138
2ED8 8D01D2     018550      STA 53761
2EDB 8514       018560      STA 20
2EDD A514       018570      LPT
2EDD A514       018580      LDA 20
2EDF 8D00D2     018590      STA 53760
2EE2 C9FF       018600      CMP #255
2EE4 D0F7       018610      BNE LPT
2EE6 A900       018620      LDA #0
2EE8 8D01D2     018630      STA 53761
2EEB C5B2       018640      CMP LIVES
2EED D033       018650      BNE LP6
2EEF A200       018660      LDX #0
2EF1           018670      LP0
2EF1 8D8E38     018680      LDA 5CR5,X
2EF4 38         018690      SEC
2EF5 E90D       018700      SBC #13
2EF7 9D0739     018710      STA 14599,X
2EFA E8         018720      INX
2EFB E007       018730      CPX #7
2EFD D0F2       018740      BNE LP0
2EFF 20D42A     018750      JSR PCLR
2F02 A9E0       018760      LDA #224
2F04 8DF402     018770      STA 756
2F07 A947       018780      LDA #71
2F09 8D3002     018790      STA 560
2F0C A922       018800      LDA #34
2F0E 8D3102     018810      STA 561
2F11 A900       018820      LDA #0
2F13 8DC402     018830      STA 708
2F16 8513       018840      STA 19
2F18 8DC502     018850      STA 709
2F1B           018860      LPR
2F1B A513       018870      LDA 19
2F1D C903       018880      CMP #3

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2F1F	D0FA	018890	BNE	LPR
2F21	60	018900	RTS	
2F22		018910	LP6	
2F22	206023	018920	JSR	ITA
2F25		018930	LP5	
2F25	201B29	018940	JSR	MN
2F28	E6B3	018950	INC	NOW
2F2A	A900	018960	LDA	#0
2F2C	854D	018970	STA	77
2F2E	8D1ED0	018980	STA	53278
2F31	A514	018990	LDA	20
2F33	38	019000	SEC	
2F34	C908	019010	CMP	#8
2F36	901A	019020	BCC	Q9
2F38	A900	019030	LDA	#0
2F3A	8514	019040	STA	20
2F3C	A4AB	019050	LDY	SNGX
2F3E	C000	019060	CPY	#0
2F40	F010	019070	BEQ	Q9
2F42	88	019080	DEY	
2F43	84AB	019090	STY	SNGX
2F45	B184	019100	LDA	(LOC),Y
2F47	8D00D2	019110	STA	53760
2F4A	A6AA	019120	LDX	PLAY
2F4C	CA	019130	DEX	
2F4D	86AA	019140	STX	PLAY
2F4F	8E01D2	019150	STX	53761
2F52		019160	Q9	
2F52	209A2D	019170	JSR	SHT
2F55	20932E	019180	JSR	Q
2F58	20932E	019190	JSR	Q
2F5B	A220	019200	LDX	#32
2F5D		019210	LP4	
2F5D	A020	019220	LDY	#32
2F5F		019230	LP3	
2F5F	88	019240	DEY	
2F60	C4A9	019250	CPY	SPEED
2F62	D0FB	019260	BNE	LP3
2F64	CA	019270	DEX	
2F65	E4A9	019280	CPX	SPEED
2F67	D0F4	019290	BNE	LP4
2F69	A5AE	019300	LDA	OVER
2F6B	C900	019310	CMP	#0
2F6D	F042	019320	BEQ	LP1
2F6F	E6B1	019330	INC	LVL
2F71	A20B	019340	LDX	#11
2F73	20DE28	019350	JSR	SCR
2F76	A900	019360	LDA	#0
2F78	8D2F02	019370	STA	559
2F7B	20A923	019380	JSR	W
2F7E	A5B1	019390	LDA	LVL
2F80	2903	019400	AND	#3
2F82	C901	019410	CMP	#1
2F84	D021	019420	BNE	LPJ
2F86	A9AA	019430	LDA	#170
2F88	8D01D2	019440	STA	53761
2F8B	A9E8	019450	LDA	#232
2F8D	8584	019460	STA	LOC

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2F8F A000      019470      LDY #0
2F91 84AB      019480      STY SNGX
2F93          019490      LPH
2F93 A900      019500      LDA #0
2F95 8514      019510      STA 20
2F97 B184      019520      LDA (LOC),Y
2F99 8D00D2    019530      STA 53760
2F9C          019540      LPI
2F9C A514      019550      LDA 20
2F9E C90A      019560      CMP #10
2FA0 D0FA      019570      BNE LPI
2FA2 C8        019580      INY
2FA3 C015      019590      CPY #21
2FA5 D0EC      019600      BNE LPH
2FA7          019610      LPJ
2FA7 A97E      019620      LDA #126
2FA9 8D2F02    019630      STA 559
2FAC A203      019640      LDX #3
2FAE 20DE28    019650      JSR 5CR
2FB1          019660      LPI
2FB1 4CCB2E    019670      JMP LP2
019680      ;
019690      ; The Display List
019700      ; starts at: $2FB4.
019710      ;
019720      ; A redefined Character
019730      ; Set starts at: $3000.
019740      ;
019750      ; Miscellaneous data fills
019760      ; locations $33C0 through
019770      ; $3881.
019780      ;
019790      ; PMBASE is located at $3800.
019800      ;
019810      ; The Action Screen is
019820      ; located at $4000.
019830      ;
2FB4          019840      .END
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ASSEMBLY ERRORS: 0 25753 BYTES FREE

27D3 AGN	27B8 AGN2	=0640 ALU	
2C30 B1	2D16 B10	2D28 B10A	2D35 B11
2D38 B12	2D3C B12A	2D8D B13	2D90 B14
2D79 B15	2D4C B16	2D55 B17	2C42 B1A
2C4C B1T	2D57 B20	2D69 B21	2CC3 B7
2CFB B8	2D05 B9	2D82 BAZ	=0620 BDG
=00B8 BDX	=0600 BDXY	=00D8 BDY	=00A1 BLTX
=00A3 BLTXY	=00A2 BLTY	2C2A BT	2C6D BT0
2C78 BT1	2C8E BT2	2C99 BT3	2CCD BT4
2CD8 BT5	2CBC BT6	2C5D BTA	
2C1C C3	2C12 CA	2BD3 CK	2BF0 CK1
2C27 CK2	28CA CLR	=0091 CLX	=00A6 CNTR
=00B7 DHI	=2FB4 DLIST	=00B6 DLO	
287E FDH	2899 FDI	2862 FDK	2869 FDL
289C FDP	284A FDT	27FB FND	2809 FND1
27FE FND1A	280F FND2	2818 FND3	2822 FND4
2828 FND5			
2727 GR	276C GR2	=009D GX1	=009F GX2
=009E GY1	=00A0 GY2		
2AF4 H	2B00 H1	2B80 H10	2B8A H11
2B16 H2	2B2C H3	2B3A H4	2B41 H5
2B4F H6	2B5D H7	2B64 H8	2B72 H9
=0083 HI	=0081 HIA	=0085 HIC	
27AB INT	27B4 INT2	2300 IT	2360 ITA
236A ITB	2371 ITC	2398 ITD	237A ITE
2366 ITF			
=00A5 JUMP			
=00AF KEY			
2637 L1	2644 L2	2653 L3	2668 L4
267A L5	2681 L6	=00B2 LIVES	=0082 L0
=0080 LOA	=0084 LOC	2E0C LP	2FB1 LP1
2ECB LP2	2F5F LP3	2F5D LP4	2F25 LP5
2F22 LP6	2F93 LPH	2F9C LPI	2FA7 LPJ
2EF1 LPQ	2F1B LPR	2EDD LPT	2617 LTM
=00B1 LUL			
291B MN	2944 MN1	29D8 MN10	29DE MN11
29E5 MN11A	29F5 MN12	29F9 MN13	2A11 MN14
2A20 MN15	2A2D MN16	294D MN2	2960 MN3
2974 MN4	2999 MN5	29A0 MN6	29B1 MN7
29CA MN8	29D1 MN9	29AD MNA	=0095 MNX
=0097 MNXA	=0096 MNY	=0098 MNYA	=009C MVE
=00B3 NOW	27E7 NXT		
=00AE OVER			
2AE1 PC1	2AE5 PC2	2AD4 PCLR	=00AA PLAY
2845 PLY	25F7 PTM		
2E93 Q	2EA0 Q1	2F52 Q9	
2BA1 RANDOM	282B REVERS	2BB0 RM1	2BB6 RM2
2BBC RM3	2BC2 RM4	2BD0 RM5	22CE RPT
22D0 RPTA	2620 RTW	2835 RV51	2841 RV52
=0092 RMY			
2DD3 S1	2DDC S2	2DE3 S2A	2DFA S3
2E1E S4	2E2A S45	2E34 S5	2E4E S5A
2E60 S5B	2E8D S6	28DE SCR	28E2 SCR1
2912 SCR2	2915 SCR3	2900 SCR4	=388E SCR5
=E45C SEVBV	=00B0 SHOMN	2D9A SHT	2DBF SHTA
2DB0 SHTB	=00AB SNGX	=00A9 SPEED	=00AC SPOT
=00AD SPOT2	233B SRT	2686 ST	268F ST2

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SYMBOLS
D1:DUNGEN1.M65

26A5	ST3	26BB	ST4	26D1	ST5	2713	ST96
2719	ST97	2716	ST98	26DF	ST99	=0099	STK
=009A	STK1	22F9	STR	231C	STR1	2A30	SW
2A49	SW1	2AA7	SW10	2AB2	SW11	2AB6	SW12
2AB8	SW13	2ACA	SW14	2A4E	SW2	2A59	SW3
2A5B	SW4	2A71	SW5	2A7D	SW6	2A81	SW6A
2A89	SW7	2A95	SW8	2A9C	SW9	=E45F	SYSUBV
=00A8	TIMES	=0098	TRGR	=00A4	TXY	=0089	V4
=0086	V1	=0087	V2	=0088	V3	=008D	V8
=008A	V5	=008B	V6	=008C	V7		
=008E	V9	27C5	VBK	24D5	W10	24DF	W11
23A9	W	23E3	W1	2577	W14	2584	W15
2561	W12	256B	W13	25D5	W18	25F6	W19
258F	W16	25D3	W17	23FF	W3	2500	W30
23E1	W2	259D	W20	2509	W39	2417	W4
2540	W32	2518	W36	2464	W43	2466	W45
2516	W40	2581	W41	248F	W5	249A	W6
247C	W46	2433	W49	24CB	W9	251E	W91
24A5	W7	24C1	W8	2546	WUP		
24F3	WGO	24A9	WLR	=00A7	XCNT	=0093	XPOS
2629	X96	=008F	XCL	2704	Z3	2706	Z4
=0094	YPOS	=0090	YRM				
26FB	Z1	26F6	Z2				
292A	ZX	2931	ZZ				