COLECOVISION PROGRAMMERS' MANUAL Rev. 5

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APPENDIX H OS SUBROUTINE LIBRARY

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FLAT_SCORES	11			0								Arres (request) and attenuation data to seems stips	7.5
POLLER												Anna, Service and decoupous all petites persons of dath metralions	6.4
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NAME			-	TMI	PUT R	EGIS	TERS				DESCRIPTION	SECTION
J. DAVIDOTA	H	L	D	E	В	С	A	F	IX	IY		
ACTIVATE	х	x						х			Moves pattern and color generator to VRAM	3.3.3
ADD816	×	х					х				Adds 8-bit signed (A) to 16-bit unsigned (HL) \rightarrow (HL)	9.1
CONT_SCAN											Saves controller port data to CRAM	6.4
DECLSN	х	х									Decrements least significant nibble pointed to by (HL)	9.2
DECMSN	×	х									Decrements most significant nibble pointed to by (HL)	9.3
DECODER	x	х									Calls COUNT_SCAN	6.3
ENLARGE	x	х	×	х	x	х	х				Double the size of the original object	3.2.2.4
FILL_VRAM	×	х	х	х			х				Writes a value DE times to VRAM	3.1.5
FREE_SIGNAL							х				Releases a timer to the free list based on SIGNAL_NUM	5.8
GET_VRAM	х	х	x	x			х			х	Copies VRAM table entry to CRAM	3.2.1.2
INIT_SPR_ORDER							х				Initializes SPRITE_ORDER data with zeros	3.2.3.1
INIT_TABLE	x	х					х				Initializes the VDP table address for given table	3.2.1.1
INIT_TIMER	х	х	х	х							Initializes timer data areas	5.4
INIT_WRITER	х	х					×				Initializes queue size, head and tail addresses to the beginning of the buffer, and head and tail to zero	4.1
LOAD_ASCII											Writes ASCII generator set to pattern generator table	9.6
MODE_1											Sets VDP to graphics mode 1 and sprite size 0	3.1.6
MSNTOLSN	x	х									(HL) - byte,MSN to (HL) - byte,LSN	9.4
PLAY_IT					х						Called to start a sound	
PLAY_SONGS											Saves frequency and attenuation data to sound chip	
POLLER											Reads, decodes and debounces all active portions of the controllers	
PUTOBJ					х				х		Changes an object's frame or location on the display	3.3,4
PUT_VRAM	x	х	х	x			х			х	Saves data from CRAM to VRAM table	3.2.1.3
RAND_GEN	1,554	-54-5					-				16-bit pseudo random number generator	9.5
READ_REGISTER											Reads and returns the contents of the VDP register	3.1.3
READ_VRAM	х	х	х	x	x	х					Reads from VRAM writes to buffer in CRAM	
REFLECT HORIZONTAL	x	х	x	×	x	x	х				Reflection of generators arround horizontal axis	
REFLECT VERTICAL	х	x	x	х	x	х	х				Reflection of generators arround vertical axis	3.2.2.1
REQUEST SIGNAL	x	х	1		2500	1000	x				Sets up a timer for the caller	5.6
ROTATE 90	х	х	х	×	х	х	x				90-degree clockwise rotation of generators	3.2.2.3
SOUND INIT	2000	1,000	(0.00)		х	NS.	20104				Initializes various sound data areas	7.2
SOUND MAN					3.76						Called every VDP interrupt, manages sound data areas	7.4
TEST SIGNAL							x				Tests for a time-out of a timer	5.7
TIME MGR							2,574				Maintains all OS software timers	5.5
UPDATE SPINNER										-	Processes controller spinner switch interrupts	6.5
WRITER				-							Performs deferred PUTOBJ operations	4.2
WRITE REGISTER					x	x					Writes a value to a selected VDP register	3.1.4
WRITE VRAM	x	x	х	×	×	×					Saves data from CRAM to VRAM	3.1.4
WR SPR NB TBL	•	•	^	^		^	х				Saves local sprite data to VRAM sprite attribute table	3.1.2