

(1) 000175 ALT2 =175
(1) 000176 ALT3 =176
(1)
(1)

.SBTTL GLOBAL REFERENCE DEFINITIONS

;EXTERNAL GLOBAL DEFINITIONS

.GLOBL SETMTO
.GLOBL CREWND,CRDHDR

(1) 000000 .ASECT
(1) 164002 MTST =164002
(2) 164000 MTCM =164000
(2) 164004 MTWC =164004
(2) 164006 MTBA =164006

FO1

TRDP - XXDP TR79F MONITOR M-11-DMQUF-B MACY11 27(732) 01-MAR-77 10:34 PAGE 1-4
 DMQUFB.P11 ONCE ONLY BOOT LOADER

SEQ 0005

(2)	000246	010405			MOV	R4,R5	;R4 USED TO POINT TO WORD ADDRESSES
(2)	000250	112524			PACK: MOVB	(R5)+,(R4)+	;R5 USED TO POINT TO BYTE ADDRESSES
(2)	000252	005205				INC R5	
(2)	000254	005203				INC R3	;COUNT # OF WORDS
(2)	000256	001374				BNE PACK	;IF NOT, KEEP PACKING
(2)	000260	000746				BR REED	;IF YES, GO BACK AND GET ANOTHER
(2)							;BLOCK FROM TAPE
(2)	000262	105737	164000		READY: TSTB	@#MTCM	;CHECK IF TAPE CONTROLLER READY
(2)	000266	100375				BPL READY	;WAIT UNTIL READY
(2)	000270	005737	164000			TST @#MTCM	;CHECK IF ERROR BIT SET
(2)	000274	100005				BPL RTN	;IF NO THEN RETURN
(2)	000276	032737	011000	164002		BIT @11000,@#MTST	;IF YES, THEN CHECK IF EITHER A
(2)							;READ COUNT OF SINGLE TRACK ERROR
(2)							;HAS OCCURRED.
(2)	000304	001001				BNE RTN	
(2)	000306	000000			TAPERR: HALT		;HALT BECAUSE OF TAPE ERROR
(2)	000310	000207			RTN: RTS	PC	;IF YES, IGNORE AND RETURN

K01

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(1)                                .SBTTL NON-RESIDENT CODE
(1)                                .CSECT
(1)                                : DIRECTORY ROUTINE.
(1) 000000' 005726 NRDIR: TST (SP)+ ; POP OFF 1ST STACK ELEMENT.
(1) 000002' 012667 002410'   MOV (SP)+, FILLCT ; GET FILL COUNT.
(1) 000006' 012667 001466'   MOV (SP)+, CURDRV ; GET THE CURRENT DRIVE NUMBER.
(1) 000012' 012667 000136'   MOV (SP)+, $COMC3 ; GET RES MONITOR RESTART ADDR.
(1) 000016' 012667 001124'   MOV (SP)+, KBPTR ; GET KYBD POINTER.
(1) 000022' 005002          CLR R2 ; FOR DEVICE SET ROUTINE.
(1) 000024' 004767 001442'   JSR PC, SETI ; SET INPUT, NO NAME.
(1) 000030' 105067 000030     CLRB FSTMOD ; ASSUME NO FAST MODE SWITCH.
(1) 000034' 004767 000034     JSR PC, NRGTSW ; GET SWITCHES.
(1) 000040' 004567 002114'   JSR R5, BCLEAR ; CLEAR NAME TO '?'S
(1) 000044' 004506' 000077 000011  IFNAM, 77, 9.
(1) 000052' 010565 177720     MOV R5, XFLMOD(R5) ; INDICATE WILD MODE.
(1) 000056' 004775 177756     JSR PC, ADRT(R5) ; GO OUTPUT DIRECTORY.
(1) 000062' 000207          RTS PC ; RETURN.

(1) 000064' 000          FSTMOD:: .BYTE 0
(1) 000066' 000066'         .EVEN

(1) 000066' 105267 177772     SETFST: INCB FSTMOD ; SET FAST MODE.
(1) 000072' 000400          BR NRGTSW

(1) 000074' 012701 000144'   NRGTSW: MOV #NRSWTB, R1 ; POINT TO NON-RESIDENT SWITCH TABLE.
(1) 000100' 000167 000552'   JMP GTOK ; GO SET SWITCHES.

(1) 000104' 016767 000030 001004' LPSW: MOV LPS, MREG ; CHANGE STATUS REG.
(1) 000112' 016767 000024 001000'   MOV LPB, MOUT ; CHANGE BUFFER REG.
(1) 000120' 052767 000200 002410'   BIS #200, FILLCT ; MAKE FILLCOUNT NEGATIVE.
(1) 000126' 012702 000014     MOV #14, R2 ; OUTPUT A FORM FEED.
(1) 000132' 004767 000202'   JSR PC, DELAY ; WAIT FOR FORM FEED DONE.
(1) 000136' 000756          BR NRGTSW ; SEE ABOUT OTHER SWITCHES.
(1) 000140' 177514          LPS: 177514 ; LINE PRINTER STAT REG ADDR.
(1) 000142' 177516          LPB: 177516 ; LINE PRINTER BUFFER REG ADDR.

(1) 000144'          NRSWTB:
(2) 000144' 000066'         .WORD SETFST ; DISPATCH ADDRESS FOR /F
(2) 000154' 000104'         .WORD LPSW ; DISPATCH ADDRESS FOR /L
(2) 000164' 000212'         .WORD RTSPC ; DISPATCH ADDRESS FOR <15>
(2) 000172' 000546'         .WORD GTOK ; DISPATCH ADDRESS FOR <40>
(1) 000200' 177777         -1 ; TERMINATOR.

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(1)				.SUB TO TYPE FILE NAME.		
(2)	000202'			\$TPNM1::		
(2)	000202'	004467	002040'		JSR	R4, SAVD4 ;SAVE REGS 0-4
(1)	000206'	016703	002156'		MOV	\$TXNAM, R3 ;ADDR OF NAME TO R3.
(1)	000212'	005001			CLR	R1 ;CHAR COUNTER.
(1)	000214'	112302		1\$:	MOVB	(R3)+, R2 ;GET A CHAR.
(1)	000216'	004767	000666'	2\$:	JSR	PC, MES1 ;TYPE IT.
(1)	000222'	005201			INC	R1 ;UP CHAR COUNT.
(1)	000224'	020127	000006		CMP	R1, #6 ;DONE 6?
(1)	000230'	103771			BLO	1\$;BR IF NOT YET.
(1)	000232'	101003			BHI	3\$;BR IF MORE THAN 6.
(1)	000234'	112702	000056		MOVB	#', R2 ;SIX. TYPE A DOT.
(1)	000240'	000766			BR	2\$;GO TYPE THE DOT.
(1)	000242'	120127	000012	3\$:	CMPB	R1, #10. ;DONE 10?
(1)	000246'	103762			BLO	1\$;BR IF NOT.
(2)	000250'	004767	002052'		JSR	PC, RST04 ;RESTORE REGS 0-4
(1)	000254'	000167	000752'		JMP	TAB ;GO TAB AND RTS PC.

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(1)          .SBTTL  BINARY TO DECIMAL CONVERT AND TYPE SUBROUTINE
(2) 000260'          BCD CV:: JSR   R4, SAVD4          ;SAVE REGS 0-4
(2) 000260' 004467 002040'    MOV   (R5)+, R4          ;NUMBER OF DIGITS
(1) 000264' 012504          MOV   #DECTAB, R0         ;TABLE OF DECIMAL NUMBERS
(1) 000266' 012700 000374'    CLR   -(SP)          ;STACK WORD FOR INDICATOR.
(1) 000272' 005046          BCD1: TST   -(R0)          ;STEP TO THE LARGEST DIGIT
(1) 000274' 005740          DEC   R4
(1) 000276' 005304          BGT   BCD1
(1) 000300' 003375          BCD2: CLR   R2          ;R2 IS TO RECEIVE THE QUOTIENT
(1) 000302' 005002          MOV   (R0)+, R1        ;THE DIVISOR
(1) 000304' 012001          BEQ   BCD3          ;EXIT IF ZERO
(1) 000306' 001422          BCD5: SUB   R1, R3          ;DIVIDE BY SUBTRACTING
(1) 000310' 160103          BCS   BCD4          ;UP THE QUOTIENT AFTER EACH SUB
(1) 000312' 103402          INC   R2
(1) 000314' 005202          BR    BCD5
(1) 000316' 000774          BCD4: ADD   R1, R3          ;GONE TOO FAR
(1) 000320' 060103          TST   R2          ;QUOTIENT =0?
(1) 000322' 005702          BNE   BCD6          ;NO
(1) 000324' 001005          TST   (SP)          ;LEADING ZERO'S?
(1) 000326' 005716          BNE   BCD6          ;NO
(1) 000330' 001003          MOV   #40, R2        ;YES PRINT SPACE
(1) 000332' 012702 000040'    BR    BCD7
(1) 000336' 000403          BCD6: INC   (SP)          ;NOMORE LEADING ZERO'S
(1) 000340' 005216          ADD   #'0, R2        ;MAKE IT ASCII
(1) 000342' 062702 000060'    JSR   PC, CHROUT      ;PRINT IT
(1) 000344' 004767 000776'    BR    BCD2
(1) 000352' 000753          BCD7: TST   (SP)+      ;POP INDICATOR WORD.
(1) 000354' 005726          JMP   RESR5          ;GO RESTORE REGS 0-4, DO RTS R5.
(2) 000356' 000167 002236'    .WORD 10000., 1000., 100., 10., 1
(1) 000362' 023420 001750 000144
(1) 000370' 000012 000001
(1) 000374' 000000          DECTAB: .WORD 0

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1009
 1010 000100'
 1012 000100' 01270C 00000C'
 1013 000104' 000207
 1014

.SBTTL SETMT ROUTINE
 SETMT0::
 MOV #PARAM,RO
 RTS PC

;POINT TO PARAM TABLE.
 ;DONE. RETURN.

