(13) control reg. I , C.R. II , M.C. and background color (screen)

C.R. I (53265) : extended background color mode
bitmap
screen blanking
24 - 25 rows
verti-scroll

8305,10   49
          186 186
      73   73 185
   186
   185

C.R. II (53270) : multicolor
3ᵖ-40 collomn
hori-scroll

~~M.C.M.A.F.R.(53272).~~

49265, 30 ⎫
49266, 217 ⎬ scanlines
49267, 73 ⎭

49268, 0   ⎫   onder
49269, 14 ⎬ kleuren   midden
49270, 6   ⎭   boven

49271, 27 ⎫
49272, 27 ⎬ C.R.I
49273, 27 ⎭

49274, 8   ⎫
49275, 8   ⎬ C.R. II
49276, 8   ⎭

```
.,C000 78        SEI
.,C001 A9 7F     LDA #$7F
.,C003 8D 0D DC  STA $DC0D
.,C006 A9 01     LDA #$01
.,C008 8D 1A D0  STA $D01A
.,C00B A9 03     LDA #$03
.,C00D 8D A7 02  STA $02A7
.,C010 AD 71 C0  LDA $C071
.,C013 8D 12 D0  STA $D012
.,C016 A9 24     LDA #$24
.,C018 8D 11 D0  STA $D011
.,C01B AD 14 03  LDA $0314
.,C01E 8D 6F C0  STA $C06F
.,C021 AD 15 03  LDA $0315
.,C024 8D 70 C0  STA $C070
.,C027 A9 33     LDA #$33
.,C029 8D 14 03  STA $0314
.,C02C A9 C0     LDA #$C0
.,C02E 8D 15 03  STA $0315
.,C031 58        CLI
.,C032 60        RTS
.,C033 AD 19 D0  LDA $D019
.,C036 8D 19 D0  STA $D019
.,C039 29 01     AND #$01
.,C03B F0 2B     BEQ $C068
.,C03D CE A7 02  DEC $02A7
.,C040 10 05     BPL $C047
.,C042 A9 02     LDA #$02
.,C044 8D A7 02  STA $02A7
.,C047 AE A7 02  LDX $02A7
.,C04A BD 74 C0  LDA $C074,X
.,C04D 8D 20 D0  STA $D020
.,C050 8D 21 D0  STA $D021
.,C053 BD 77 C0  LDA $C077,X
.,C056 8D 11 D0  STA $D011
.,C059 BD 7A C0  LDA $C07A,X
.,C05C 8D 16 D0  STA $D016
.,C05F BD 71 C0  LDA $C071,X
.,C062 8D 12 D0  STA $D012
.,C065 8A        TXA
.,C066 F0 06     BEQ $C06E
.,C068 68        PLA
.,C069 A8        TAY
.,C06A 68        PLA
.,C06B AA        TAX
.,C06C 68        PLA
.,C06D 40        RTI
.,C06E 4C 31 EA  JMP $EA31
.,C071 1E D9 49  ASL $49D9,X  s.c.
.,C074 00        BRK          kleur.
.,C075 0E 06 1B  ASL $1B06
.,C078 1B        ???          C.R.I
.,C079 1B        ???
.,C07A 08        PHP
.,C07B 08        PHP          C.R.II
.,C07C 08        PHP
.,C07D 00        BRK
```

(13)

```
., 102A AD A8 02    LDA $02A8
., 102D C9 FF       CMP #$FF
., 102F F0 10       BEQ $1041
., 1031 AD 16 D0    LDA $D016
., 1034 29 F8       AND #$F8
., 1036 18          CLC
., 1037 6D A8 02    ADC $02A8
., 103A 8D 16 D0    STA $D016
., 103D CE A8 02    DEC $02A8
., 1040 60          RTS
., 1041 20 00 20    JSR $2000
., 1044 A9 07       LDA #$07
., 1046 8D A8 02    STA $02A8
., 1049 20 2A 10    JSR $102A
., 104C 60          RTS
```

```
., 2000 A9 00       LDA #$00
., 2002 85 FB       STA $FB
., 2004 A9 04       LDA #$04
., 2006 85 FC       STA $FC
., 2008 A2 19       LDX #$19
., 200A A0 01       LDY #$01
., 200C B1 FB       LDA ($FB),Y
., 200E 88          DEY
., 200F 91 FB       STA ($FB),Y
., 2011 C8          INY
., 2012 C8          INY
., 2013 C0 28       CPY #$28
., 2015 D0 F5       BNE $200C
., 2017 A9 28       LDA #$28
., 2019 18          CLC
., 201A 65 FB       ADC $FB
., 201C 85 FB       STA $FB
., 201E 90 02       BCC $2022
., 2020 E6 FC       INC $FC
., 2022 CA          DEX
., 2023 D0 E5       BNE $200A
., 2025 60          RTS
```

scroll subroutine
(de beste)

perform:
poke 53270, peek(53270) and 247
poke 53270, (peek(53270) and 248) +?
zet in $02A8

$2000 de ultimate
         coarsescroll