

```

;ROM for H.R.Hornsby
    write "hornby.bin"
;
txtout equ &bb5a
org &C000,&4000
start defb 1          ;background Rom
      defb 1,0,0      ;Rom version refs
      defw nmetab
      jp init          ;initialise Rom
      jp convrt ;number convert rout
      jp convrt
      jp directt ;directory edit rout
      jp directt
nmetab defm "UTILS v1.0","0"+&80
      defm "C","V"+&80
      defm "CONVER","T"+&80
      defm "D","3"+&80
      defm "DIREDI","T"+&80
      defb 0
init   push de : push hl
      ld hl,logmes
      call strout
      pop hl : pop de
      scf
      ret
convrt ld hl,cvbegin ;convrt prog strt
      ld de,cvdst  ;BASIC start loc
      ld bc,cvlgh  ;convrt prog len
      ldir
      ld (&ae66),de : ld (&ae68),de
      ld (&ae6a),de : ld (&ae6c),de
      jp basrun    ;run BASIC prog
directt ld hl,debegin ;dir prog strt
      ld de,dedst
      ld bc,delgh  ;dir edit prog len
      ldir
      ld (&ae66),de : ld (&ae68),de
      ld (&ae6a),de : ld (&ae6c),de
      ld hl,binbeg  ;binary start
      ld de,bindst  ;binary dest

```

```

      ld bc,binlen  ;binary length
      ldir
basrun  ld hl,runner
      ld de,&0060 : ld bc,&000d
      ldir
      jp &0060
runner  ld c,&00
      call &b90f
      ld hl,&00b0 : ld (hl),&00
      jp &ea78
strout  ld a,(hl) : or a
      ret z
      call txtout
      inc hl
      jr strout
logmes  defm " HORNBY UTILITIES v1"
      defb &0a,&0d,&0a,0
hacker  defm "COPYRIGHT I.NEILL '95"
      defm "FOR LISTINGS CONTACT "
      defm "IAN NEILL, "
      defm "11 MILLWAY DRIVE, "
      defm "BISHOPS TACHBROOK, "
      defm "LEAMINGTON SPA. "
      defm "CV33 9SE."
cvbegin equ $
cvlgth equ &0C5D
cvdst equ &0170
debegin equ cvbegin+cvlgth
delgh equ &0D61
dedst equ &0170
binbeg equ debegin+delgh
binlen equ &1400
bindst equ &1000
finish equ $
length equ finish-start
romlen equ length+cvlgth+delgh
      +binlen
dump
end

```

Figure 8