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0000 1: ;-----
0000 2: ;      Copyright 2010 Integrated Logic Systems
0000 3: ;      Source Code is Copyright Stephen J. Car
0000 4: ;
0000 5: ;
0000 6: ;      Please do not share this source!
0000 7: ;-----
0000 8: ;      Version.com
0000 9: ;
0000 10: ; This is a program to peak a byte and display it to
0000 11: ;      init 2/24/2010   sjc new design
0000 12: ;      added hex delimiter      2/25/2010
0000 13: ;      added new code for registered user 2/26/201
0000 14: ;      Updated the screen Print Utility so it will work wi
0000 15: ; This change will also help "Print P:"      6/1
0000 16: ;
0000 17: ;
0000 18: ;
0000 19: ; ~~~~~
0000 20: ;-----
0000 21: ; Notes: o This source code MAY NOT be placed for download
0000 22: ;      o "mea" is a macro that loads the address of the
0000 23: ;      into the pointer specified by the second field.
0000 24: ;-----
0000 25: ; Assembler: MADMAC (tm) ST Cross Assembler (Atari Corp)
0000 26: ;      XASM st and IBM VERSIONS
0000 27: ;-----
0000 28: ;=====
0000 29:
0000 30: com_file_name:      .macro
0000 31: ;      dc.b 12,"filename.ext",$9b
0000 32: ;      dc.b 12,"Arc.com  ", $9b
0000 33: ;      .endm
0000 34:
0000 35: ;
0000 36: ;~~~~~
0000 37: ; File revision history. Version Number in hex
0000 38: ;
0000 39: file_ver:      equ $13
0000 40: ;~~~~~
0000 41: ; the Month in dec for the first time this revision
0000 42: ;was compiled
0000 43: ;
0000 44: c_month:      equ 10
0000 45: ;~~~~~
0000 46: ; the day in dec for the first time this revision
0000 47: ;was compiled
0000 48: c_day:      equ 3
0000 49: ;~~~~~
0000 50: ; the year in dec for the first time this revision
0000 51: ;was compiled
0000 52: c_year:      equ 2012
0000 53: ;~~~~~

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0000      54: ; Type of compiler used in program
0000      55: ;
0000      56: ; 0 = unknown Compiler
0000      57: ; 1 = xasm
0000      58: ; 2 = mac_65
0000      59: ; 3 = basic
0000      60: ; 4 = compiled basic xl
0000      61: ; 5 = C65
0000      62: ; 6 = Action
0000      63: ;
0000      64: ; We can add more as time goes on!
0000      65: ;
0000      66: ;
0000      67: ;
0000      68: xasm:          equ    1
0000      69: mac_65:          equ    2
0000      70: basic:          equ    3
0000      71: basicxl:         equ    4
0000      72: c65:           equ    5
0000      73: action:          equ    6
0000      74:
0000      75: file_compiler:     equ    xasm
0000      76: ;~~~~~
0000      77: ; is this relocatable code ?
0000      78: ; anyother value other than 1 or 2 would be unknown
0000      79: r..yes:            equ    1
0000      80: r..no:             equ    2
0000      81: ;
0000      82: ;~~~~~
0000      83: ; Gotta define if it can be relocated
0000      84: l_relocatable:     equ    r..no
0000      85: ;
0000      86: ;
0000      87: ;~~~~~
0000      88: ; Gotta define our Header control Byte
0000      89: ;$ff=bypass intro
0000      90: ;$15 = Bypass Dos check
0000      91: r..crl:            equ    $7d
0000      92: r..crlf:           equ    $9b
0000      93: r..space:          equ    $20
0000      94: r..bypassDOS:      equ    $15
0000      95: r..bypass:         equ    $ff
0000      96:
0000      97: l_frstscreenbyte:  equ    r..space
0000      98: ;~~~~~
0000      99: ; The language the output file is in.
0000     100: ;
0000     101: ;
0000     102: ; 0 =   Undefined
0000     103: ; 1 =   English
0000     104: ; 2 =   German
0000     105: ;
0000     106: r..language:       equ    1

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0000 107: ;~~~~~
0000 108: ;
0000 109: ;   System Equates
0000 110: ;-----
0000 111: ;
0000 112: DISK0  = $00
0000 113: ;
0000 114: ;
0000 115: ;-----
0000 116: ;a $00 in the location = no
0000 117: ;a $01 in the location = Yes
0000 118: ;
0000 119: ; these are page 0 address
0000 120: ; that are 1 byte long
0000 121: ; used for tempary holders
0000 122: ;
0000 123: ;-----
0000 124: ;
0000 125: SCREEN_ON = $B1
0000 126: CW_QUERY = $A7
0000 127: CRUNCH_ONLY = $DC
0000 128: ADD_TO_ARCHIVE = R31C8
0000 129: DISK_SWAP = $C2
0000 130: PASSWORD = $CE
0000 131: SPARTADOS? = $CF
0000 132: IN_BATCH = $CA
0000 133: HOLDSTACK = $CC
0000 134: ;
0000 135: ;-----
0000 136: ;PAGE 0 addressing
0000 137: ;
0000 138: ; These location are all
0000 139: ; 3 bytes long or 3 intergers
0000 140: ;-----
0000 141: FP_SIZE = $8A
0000 142: FILE_TEMP = $9D
0000 143: FP_CRUNCH = FILE_TEMP
0000 144: FP_STORE = FP_SIZE
0000 145: FP_PACK = $92
0000 146: ;
0000 147: ;
0000 148: ;-----
0000 149: ; Page 0 address that are
0000 150: ; 2 bytes long
0000 151: ; Pointer that start with;
0000 152: ;
0000 153: ; XY_ptr
0000 154: ; x= [R]ead [W]rite
0000 155: ; y= [L]ength [B]uffer
0000 156: ;
0000 157: ;
0000 158: ;
0000 159: ;-----

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0000 160: ;
0000 161: I_CRC = $88 ; crc caculation
0000 162: RB_PTR = $A8
0000 163: RL_PTR = $AA
0000 164: WB_PTR = $AC
0000 165: WL_PTR = $AF
0000 166: W_PTR = $80 ; work pointer
0000 167: LC_PTR = $1A ;ciov pointer
0000 168:
0000 169: ;
0000 170: KBD = $30
0000 171: ;-----
0000 172: ;
0000 173: ; These are macros to make
0000 174: ; understanding the arc code
0000 175: ; easer.....
0000 176: ;
0000 177: ;-----
0000 178:
0000 179: xio: .macro ptr,ptr,field,field,ptr,ptr
0000 180: JSR CIOV_SI
0000 181: dc.b %1
0000 182: dc.b %2
0000 183: dc.w %3
0000 184: dc.w %4
0000 185: dc.b %5
0000 186: dc.b %6
0000 187: .endm
0000 188:
0000 189: ;
0000 190: ;MEM_LOW = R4ECD-7885 ; JUST TO TRICK THE MATH
0000 191:
0000 192:
0000 193:
0000 194:
0000 195: .include equates
0000 196: .include globals
0000 197: .include macros
0000 198:
0000 199: ;
0000 200:
0000 201:
0000 202: .org $3000
0000 203: MEM_LOW:
0000 204: win_start:
0000 205: header_info:
0000 206: .include header ; t
32a7 207: top_menu:
32a7 208:
32a7 a03f 209: ldy #LBUF
32a9 b10a 210: .a: lda (comtab),y
32ab c920 211: cmp #' '
32ad f01f 212: beq .gotspacechar

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32af c99b 213:      cmp    #$9b
32b1 f012 214:      beq    .noparmerror
32b3      215:
32b3 c8 216:      iny
32b4 ad1fd0 217:      lda    consol      ; g
32b7 c906 218:      cmp    #consol_start ; c
32b9 f00d 219:      beq    .tellfilehistory
32bb ad1fd0 220:      lda    consol      ; a
32be c907 221:      cmp    #consol_any
32c0 d009 222:      bne    .abort
32c2 4cce32 223:      jmp    .gotspacechar
32c5      224:
32c5 4c8d33 225: .noparmerror:      jmp    noparmerror
32c8 4cdc34 226: .tellfilehistory:  jmp    my_file_notice
32cb 4cd132 227: .abort:            jmp    peek.a.byte.abort
32ce      228:
32ce      229:
32ce      230: .gotspacechar:
32ce 4c7e8f 231:      JMP START
32d1      232:
32d1      233:
32d1      234: ;~~~~~
32d1      235: ; Aborted the program with a consol key
32d1      236: ;
32d1      237: ;~~~~~
32d1      238: peek.a.byte.abort:
32d1 20dd34 239:      jsr    printsi
32d4 9b9b 240:      dc.b   $9b,$9b
32d6 20 241:      dc.b   " "
32d7 919292 242:      dc.b   <+128>,"
32f9 9b 243:      dc.b   $9B
32fa 20 244:      dc.b   " "
32fb fcc1f2 245:      dc.b   <+128>,"|Arc compresses one
331d 9b 246:      dc.b   $9B
331e 20 247:      dc.b   " "
331f fca0d7 248:      dc.b   <+128>,"| Written by: Steph
3341 9b 249:      dc.b   $9B
3342 20 250:      dc.b   " "
3343 fca0a0 251:      dc.b   <+128>,"|      & Robert
3365 9b 252:      dc.b   $9B
3366 20 253:      dc.b   " "
3367 9a9292 254:      dc.b   <+128>,"

```