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;=====
; geoGopherTxt: view text file or info items in a scroll pane
;=====
.if          Pass1
              .noeqin
              .include    geoGopherSym
              .include    geoGopherMac
              .include    geoGopher.inc
              .include    ultimate.inc
              .eqin

.endif
;=====
; Show text or info items in a dialog box. Called from dialog
; (vwTextDB) via DB_USR_ROUT.
;          pass:      a0, address of info item(s) or loaded text
;=====
showText:    LoadB      r3L,7
              LoadB      r3H,194
              LoadW      r4,308
              lda        #$ff          ;solid line
              jsr        VerticalLine  ;scroll bar boundary
              LoadW      r0,txtTpArw
              LoadB      r1L,38        ;fake the arrow icons
              LoadB      r1H,6         ;so we don't have to wait
              LoadB      r2L,2        ;to see them
              LoadB      r2H,8
              jsr        BitmapUp
              LoadW      r0,txtBtArw
              LoadB      r1L,38        ;X pos. (cards)
              LoadB      r1H,188       ;Y pos. (pixels)
              LoadB      r2L,2        ;width (cards)
              LoadB      r2H,8        ;height (pixels)
              jsr        BitmapUp
              MoveW      fontLoad,r0
              jsr        LoadCharSet
              LoadW      r0,fmtMsg     ;"formatting text..."
              LoadW      r11,TEXT_L
              LoadB      r1H,190
              jsr        PutString
              jsr        initText
              lda        #0
              sta        pageNdx
              sta        topltem       ;for shared code
              jsr        viewText
              lda        #0           ;clear
              jsr        SetPattern
              LoadB      r2L,185
              LoadB      r2H,193
              LoadW      r3,TEXT_L
              LoadW      r4,TEXT_L+80
              jsr        Rectangle     ;clear message
              jsr        UseSystemFont
              rts                    ;now icons will draw for real

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; =====
; Initialize line and page pointers for viewing text.
;           pass:      textType, TXT_INFO or TXT_FILE
;           a0, start of text
; =====
initText:   ldy        #0
            sty        pageNdx
            tya
10$         sta        pagePtrs,y
            iny
            cpy        #MAX_PAGE*2
            bne        10$
            ldy        pageNdx
20$         tya
            asl        a
            tay
            lda        a0L
            sta        pagePtrs,y
            lda        a0H
            sta        pagePtrs+1,y
            jsr        getLines      ;sets a0 to next page
            bcs        30$          ;end of text?
            inc        pageNdx
            ldy        pageNdx
            cpy        #MAX_PAGE
            bcc        20$
            dec        pageNdx
30$         ldy        pageNdx
            iny
            sty        numItems
            jsr        setText
            rts

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; =====
; Get line pointers for a scroll pane of text.
;
;      pass:      a0, address of page
;                pageNdx, current page number
;
;      return:     a0, address of next page
;                carry set if end of text reached, clear otherwise
;
;      destroyed:  a1
; =====
getLines:      lda      #MAX_LINE      ;clear line table
              asl
              tax
              lda      #0
10$           sta      linePtrs-1,x
              dex
              bpl      10$
              MoveW     a0,linePtrs      ;set first line index
              ldy      #0
              sty      lineNdx
reLine:        lda      (a0),y
              pha
              jsr      ckEol
              pla                ;won't touch carry flag
              bcc      20$
              ldx      textType
              cpx      #TXT_INFO
              bne      10$          ;end of line
              cmp      #9          ;tab: end of chained info items
              bne      10$
              tya
              clc
              adc      a0L
              sta      textEnd
              lda      a0H
              adc      #0
              sta      textEnd+1
              sec
              rts
10$           iny
              jmp      nextLine
20$           iny                ;not an EOL character
              cpy      #TEXT_WD      ;reached max. chars. across?
              bcc      reLine        ;if so, fall through
30$           tya                ;.Y points to char that didn't fit
              pha
40$           dey
              beq      50$          ;start of line, force break
              lda      (a0),y
              cmp      #' '          ;try to break line
              bne      40$
              pla                ;discard saved .Y
              iny                ;point to char after blank
              bne      nextLine
50$           pla
              tay                ;restore index to char that didn't fit

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nextLine:    tya                ;.Y points to next line
             clc
             adc     a0L
             sta     a0L
             lda     a0H
             adc     #0
             sta     a0H
             ldx     textType
             cpx     #TXT_FILE
             bne     10$
             CmpW    a0,textEnd
             bcc     10$
             rts
10$          inc     lineNdx
             lda     lineNdx
             cmp     #MAX_LINE
             bcc     20$
             clc
             rts
20$          asl     a
             tax
             lda     a0L
             sta     linePtrs,x
             lda     a0H
             sta     linePtrs+1,x
             ldy     #0
             jmp     reLine

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; =====
; Check for end-of-line character.
;
;     pass:      character in .A
;               .Y, pointer to character
;
;     return:    carry set if end of line, clear otherwise
;               .A, end-of-line character
;               .Y, pointer to end-of-line character
; Note that .Y may change (e.g. $0d, $0a).
; a0 may also change if many info items are chained together.
; =====
ckEol:      beq      70$
            ldx      textType
            cpx      #TXT_INFO
            bne      10$
            cmp      #9           ;tab (end of chained info items)
            beq      70$
10$         cmp      #$0d         ;DOS/MAC
            bne      30$
            iny
20$         lda      (a0),y
            cmp      #$0a         ;DOS
            beq      70$
            dey
            bne      70$
30$         cmp      #$0a         ;UNIX
            beq      70$
            cmp      #$a0         ;padding
            bne      60$
40$         iny
            bne      50$
            inc      a0H
50$         lda      (a0),y
            cmp      #$a0
            beq      40$
            dey
            cpy      #$ff
            bne      70$
            dec      a0L
            bne      70$
60$         clc                  ;not end of line
            rts
70$         sec                  ;end of line
            rts

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=====
; View a page of text (from file or gopher items) in a scroll pane.
; Must initialize pagePtrs with initText before calling.
;      pass:      pageNdx, page number
;      destroyed: a1, a2
=====
viewText:  jsr      setVwScr      ;set up scroll bar for text
           ldy      pageNdx
           tya
           asl      a
           tay
           lda      pagePtrs,y
           sta      a0L
           lda      pagePtrs+1,y
           sta      a0H      ;a0 now holds page address
           PushW    a0L
           jsr      getLines
           PopW     a0L
           LoadB    r1H,TEXT_TOP
           LoadW    r11,TEXT_L
           ldx      #0
           stx      lineNdx

viewLine:  txa
           asl      a
           tax
           lda      linePtrs,x
           sta      a0L
           lda      linePtrs+1,x
           sta      a0H
           ora      a0L      ;short page (not full)?
           bne      5$
           rts      ;yes, must be at end

5$         lda      linePtrs+2,x ;to check for end of line
           sta      a2L
           lda      linePtrs+3,x
           sta      a2H
           lda      a2L
           ora      a2H      ;past end of page?
           bne      15$
           ldx      pageNdx   ;yes, use start of next page
           inx
           cpx      numItems  ;number of pages
           bcs      10$      ;past last page?
           txa      ;no, use start of next page
           asl      a
           tax
           lda      pagePtrs,x
           sta      a2L
           lda      pagePtrs+1,x
           sta      a2H
           bne      15$

10$        MoveW    textEnd,a2 ;past last page, use end marker

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15\$	ldy	#0	
20\$	lda	(a0),y	
	beq	40\$;end of text file marker
	cmp	#\$0d	
	beq	40\$	
	cmp	#\$0a	
	beq	40\$	
	cmp	#9	;tab
	beq	40\$	
	cmp	#\$a0	;info padding
	beq	40\$	
	tax		
	tya		
	pha		
	txa		
	jsr	SmallPutChar	
	pla		;check for end of line
	pha		
	tay		
	iny		;next char.
	tya		
	clc		
	adc	a0L	
	sta	a1L	
	lda	a0H	
	adc	#0	
	sta	a1H	;pointer to next char.
	CmpW	a1,a2	;next char. on new line?
	bcc	30\$;nope
	pla		;discard
30\$	bcs	40\$	
	pla		
	tay		
	iny		
	bne	20\$	
	inc	a0H	
	bne	20\$	
;	=====		
40\$	inc	lineNdx	;end of line
	ldx	lineNdx	
	cpx	#MAX_LINE	
	bne	50\$	
	rts		
50\$	lda	r1H	
	clc		
	adc	#8	;font height
	sta	r1H	
	LoadW	r11,TEXT_L	
	jmp	viewLine	

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; =====
; Set up scroll bar for text display.
; =====
setVwScr:    jsr        doThumb
             lda        numItems      ;pages
             cmp        #2
             bcc        20$
             LoadW     pageDown,txtPgDn
             LoadW     pageUp,txtPgUp
             php
             sei
             LoadW     otherPressVector,chkMouse
             LoadW     topDspch,txtTop
             LoadW     botDspch,txtBot
             plp
             bra        30$
20$          php
             sei
             LoadW     otherPressVector,0
             plp
30$          rts
; =====
; custom icon handlers for view/save dialog
; =====
doView:      lda        #VIEW          ;custom icon ID
             sta        sysDBData
             jmp        RstrFrmDlg
; =====
doSave:      lda        #SAVE          ;custom icon ID
             sta        sysDBData
             jmp        RstrFrmDlg
; =====
; Dispatch routine for "mini-close" icon in vwTextDB
; =====
doMniCls:    lda        #CLOSE
             sta        sysDBData
             jmp        RstrFrmDlg

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=====
; Dispatch routine for bottom button in scrollbar (for text).
=====
txtBot:      ldy      pageNdx
             iny
             cpy      numItems      ;i.e. number of pages
             bcc      10$
             jsr      beep
             rts
10$:         ldy      numItems
             dey
             sty      pageNdx
             sty      topItem      ;for shared code
             jsr      reText
             rts

=====
; Dispatch routine for top button in scrollbar (for text).
=====
txtTop:      lda      pageNdx
             bne      10$
             jsr      beep
             rts
10$:         lda      #0
             sta      pageNdx
             sta      topItem      ;for shared code
             jsr      reText
             rts

=====
; Page down routine for text (called through otherPressVector).
=====
txtPgDn:     ldy      pageNdx
             iny
             cpy      numItems      ;i.e. number of pages
             bcc      10$
             jsr      beep
             rts
10$:         inc      pageNdx
             MoveB    pageNdx,topItem ;for shared code
             jsr      reText
             rts

=====
; Page up routine for text (called through otherPressVector).
=====
txtPgUp:     lda      pageNdx
             bne      10$
             jsr      beep
             rts
10$:         dec      pageNdx
             MoveB    pageNdx,topItem ;for shared code
             jsr      reText
             rts

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; =====
; Clear and redraw text area.
; =====
reText:    lda     #0           ;clear
           jsr     SetPattern
           loadb   r2L,7
           loadb   r2H,184
           loadw   r3,5
           loadw   r4,307
           jsr     Rectangle    ;clear text area
           movew   fontLoad,r0
           jsr     LoadCharSet
           jsr     viewText
           jsr     UseSystemFont
           rts

```