

display, video 16-37
 address transformation 175-176
 double-high-resolution graphics 184-185
 80-column text 179
 formats 18, 57
 40-column text 179
 generation 173-185, 231
 high-resolution graphics 183-184
 low-resolution graphics 181-182
 memory addressing 174-178
 modes 17, 19-26, 28-31, 178-185
 pages 23, 25, 27-28, 31-37, 78-79
 refreshing 170-171
 specifications 17
 text 178-181
 DMA daisy chain 193-195, 208
 DOS 3.3 xx, 140, 233
 and uppercase 48-49
 starting up with 268
 use of page 3 78
 use of page zero 81
 double-high-resolution graphics 17, 18, 25-26
 colors 26
 display pages 27
 generation 184-185
 map 37
 memory pages 25
 double-high-resolution Page 1 79
 D-type connector 8

E

editing with GETLN 63-64
 80COL soft switch 29
 80-column firmware xxi, 49-50
 activating 50
 control characters with 272-275
 80-column text 21, 22
 differences in Apple II family 228
 display pages 27-28
 generation 178-179
 map 34
 signals 197-198
 with Applesoft xxi
 with Pascal xxi
 with TV set 16

80-Column Text Card 86, 134, 150, 267-275
 80STORE soft switch 29, 32, 87, 89, 90, 198
 EM character 55
 EN80' signal 198
 enhanced Apple IIe *See*
 differences between original and enhanced Apple IIe
 ENKBD' signal 187
 entry points for I/O routines 145-146
 escape codes 60-61
 escape mode 60-61
 ESC character 55
 ETB character 54
 EXAMINE command 110-111
 examining memory 102
 expansion ROM space 133-135
 expansion slot 3 49-50
 expansion slots 7, 132-144
 signals 191-197
 Extended 80-Column Text Card 86, 134, 267-275
 extended keyboard Apple IIe xxiii

F

FF character 54
 firmware
 auxiliary 86-93
 80-column xxi, 49-50
 I/O 46-71
 Monitor subroutines 46-71
 Pascal 1.1 protocol 68-71, 145-146
 slot 3 69
 flag, any-key-down 13
 FLASH command 270-271
 flashing format 19-20, 57-58
 forced cold-start reset 96
 Fortran 235
 40-column text 21, 22
 display pages 27-28
 generation 178-179
 memory map 33, 177
 with TV set 16
 14M signal 163
 FS character 55

G

game I/O
 connectors 13
 signals 190-191
 GET command 269
 GETLN subroutine 58, 62-64, 222
 editing with 63-64
 input buffer 78
 line length 3
 used by Monitor 101
 with 80-column card 269
 GETLN1 subroutine 222
 GETLNZ subroutine 222
 GO command 120
 graphics *See* double-high-resolution graphics;
 high-resolution graphics;
 low-resolution graphics
 graphics modes 21-26
 bit-mapping 23-26
 greater than sign (>) as prompt character 62
 GS character 55

H

hand control connectors 8, 40-43
 hard disk with Pascal xxii
 hexadecimal arithmetic 116
 hexadecimal values 12
 converting to decimal 238-239
 converting to negative decimal 239-240
 high-resolution graphics 17, 18, 23-25
 addressing display pages 31, 36
 bit patterns 241-242
 colors 24-25, 183-184
 display pages 23, 27
 generation 183-184
 map 36
 high-resolution Page 1 23, 27, 79
 high-resolution Page 2 23, 79
 HIREs soft switch 29, 30, 89
 HLINE subroutine 67, 222
 HOME command 270-271
 HOME subroutine 50, 67, 223
 HTAB command xxi
 with original Apple IIe 271-272
 humidity, operating 158