
Indexes

Index-1

Index of * Commands

Command	Page
*Access	2-141
*AddApp	5a-545
*AddFS	2-377
*AddTinyDir	3-292
*ADFS	2-304
*Alphabet	3-783
*Alphabets	3-785
*Append	2-143
*AppSize	5a-546
*Audio	4-57
*Back	2-144
*BackDrop	3-293, 5a-497
*Backup	2-250
*BASIC	4-349
*BASIC64	4-349
*BlankTime	4-113
*BreakClr	4-227
*BreakList	4-228
*BreakSet	4-229
*Build	2-145
*Bye (CDFs version)	5a-195
*Bye (FileCore version)	2-251
*Bye (NetFS version)	2-378
*Cache	4-201, 5a-44
*Cat	2-146
*CDDDevices	5a-196
*CDFs	5a-197
*CDir	2-147
*CDSpeed	5a-198
*ChangeDynamicArea	3-317
*ChannelVoice	4-58
*CheckMap	2-252
*Close	2-148
*ColourTransLoadings	3-407
*ColourTransMap	3-408
*ColourTransMapSize	3-409

Command	Page
*Compact	2-253
*Configure	1-400
*Configure ADFSbuffers	2-305
*Configure ADFSDirCache	2-306
*Configure Baud	2-483
*Configure Boot	2-149
*Configure BootNet	5a-294
*Configure BST	3-852
*Configure Cache	4-202
*Configure Caps	1-947
*Configure CDROMBuffers	5a-199
*Configure CDROMDrives	5a-200
*Configure Country	3-786
*Configure Data	2-485
*Configure Delay	1-948
*Configure Dir	2-254
*Configure Drive	2-307
*Configure DST	3-852
*Configure DumpFormat	2-150
*Configure FileSystem	2-151
*Configure Floppies	2-308
*Configure FontMax	3-508
*Configure FontMax1	3-510
*Configure FontMax2	3-512
*Configure FontMax3	3-514
*Configure FontMax4	3-516
*Configure FontMax5	3-516
*Configure FontSize	3-520
*Configure FS	2-379
*Configure GMT	3-853
*Configure HardDiscs	2-309
*Configure IDEDiscs	2-309
*Configure Ignore	1-542
*Configure Language	1-978
*Configure Lib	2-380
*Configure Loud	1-756
*Configure Mode	1-757
*Configure MonitorType	1-759
*Configure MouseStep	1-761
*Configure MouseType	5a-245
*Configure NoBoot	2-152
*Configure NoCaps	1-949

Command	Page
*Configure NoDir	2-255
*Configure NoDST	3-853
*Configure NoScroll	1-762
*Configure Print	1-544
*Configure PrinterBufferSize	1-404
*Configure PS	2-409
*Configure Quiet	1-763
*Configure RamFsSize	2-321
*Configure Repeat	1-950
*Configure RMASize	1-405
*Configure ScreenSize	1-764
*Configure Scroll	1-765
*Configure ShCaps	1-951
*Configure SoundDefault	4-59
*Configure SoundSystem	5a-615
*Configure SpriteSize	1-843
*Configure Step	2-311
*Configure Sync	1-766
*Configure SystemSize	1-406
*Configure Territory	3-854
*Configure TimeZone	3-855
*Configure Truncate	2-153
*Configure TV	1-767
*Configure WimpAutoMenuDelay	3-265
*Configure WimpDoubleClickDelay	3-266
*Configure WimpDoubleClickMove	3-267
*Configure WimpDragDelay	3-268
*Configure WimpDragMove	3-269
*Configure WimpFlags	3-270
*Configure WimpFont	5a-512
*Configure WimpMenuDragDelay	3-272
*Configure WimpMode	3-273
*Continue	4-230
*Copy	2-154
*CopyBoot	2-340
*Count	2-157
*Countries	3-788
*Country	3-789
*Create	2-159
*Debug	4-231
*Defect	2-160
*Delete	2-162

Command	Page
*DeskFS	2-428
*Desktop	3-275
*Desktop_ADFSFile	3-277, 5a-497
*Desktop_CDFSFile	5a-497
*Desktop_Configure	3-277, 5a-497
*Desktop_DisplayManager	5a-497
*Desktop_Draw	3-277, 5a-497
*Desktop_Edit	3-277, 5a-497
*Desktop_Filer	3-277, 5a-497
*Desktop_Free	3-277, 5a-497
*Desktop_NetFiler	3-277, 5a-497
*Desktop_Paint	3-277, 5a-497
*Desktop_Palette	3-277, 5a-497
*Desktop_Pinboard	3-277, 5a-497
*Desktop_RAMFSFile	3-277, 5a-497
*Desktop_ResourceFiler	3-277, 5a-497
*Desktop_SetPalette	3-278, 5a-497
*Desktop_ShareFSFile	5a-475, 5a-497
*Desktop_TaskManager	3-277, 5a-497
*DeviceInfo	5a-295
*Dir	2-163
*Dismount (CDFS version)	5a-201
*Dismount (FileCore version)	2-256
*Dismount (ShareFS version)	5a-476
*Do	5a-547
*DOSMap	2-342
*Drive (CDFS version)	5a-202
*Drive (FileCore version)	2-257
*Dump	2-164
*EbInfo	5a-295
*Echo	1-494
*EcInfo	5a-295
*Eject	5a-203
*EnumDir	2-165
*Error	1-47
*Eval	1-495
*Ex	2-166
*Exec	2-167
*FileInfo	2-168
*Filer_Action	2-520
*Filer_Boot	2-507
*Filer_CloseDir	2-508

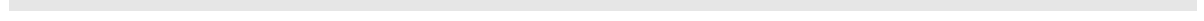
Command	Page
*Filer_OpenDir	2-510
*Filer_Run	2-512
*Filters	3-310
*FontCat	3-521
*FontInstall	3-522, 5a-677
*FontLibrary	3-523
*FontList	3-524
*FontMerge	5a-548
*FontRemove	3-525
*Format	2-313
*Free (FileCore version)	2-258
*Free (NetFS version)	2-381
*Free (ShareFS version)	5a-477
*FS	2-382
*FSLock_ChangePassword	5a-255
*FSLock_Lock	5a-256
*FSLock_Status	5a-257
*FSLock_Unlock	5a-258
*FwShow	5a-478
*FX	1-56
*Go	1-329
*GOS	1-965
*Help	1-980
*I am	2-383
*IconSprites	3-279
*If	1-496
*IfThere	5a-550
*Ignore	1-546
*InetChecksum	5a-469
*InetGateway	5a-470
*InetInfo	5a-471
*Info	2-169
*InitStore	4-232
*Key	1-952
*Keyboard	3-791
*LCat	2-170
*LEx	2-171
*Lib	2-172
*List	2-173
*ListFS	2-385
*ListPS	2-410
*Load	2-174

Command	Page
*LoadCMOS	5a-551
*LoadFontCache	3-526, 5a-677
*LoadModeFile	5a-142
*Lock	5a-204
*Logon	2-386, 5a-543
*Map	2-259
*Memory	4-233
*MemoryA	4-235
*MemoryI	4-237
*ModelList	5a-577
*Modules	1-270
*Mount (CDF5 version)	5a-205
*Mount (FileCore version)	2-260
*Mount (NetFS version)	2-387
*NameDisc	2-261
*Net	2-388
*NetMap	5a-296
*NetProbe	5a-297
*NetStat	5a-298
*NetTraceOff	5a-300
*NetTraceOn	5a-301
*Networks	5a-302
*NoDir	2-175
*NoLib	2-176
*NoURD	2-177
*Obey	4-358, 5a-680
*Opt 1	2-178
*Opt 4	2-179
*Pass	2-389
*Pin	3-294
*Pinboard	3-295
*PipeCopy	2-414
*Play	5a-206
*PlayList	5a-207
*PlayMSF	5a-208
*PoduleLoad	4-162
*Podules	4-163
*PoduleSave	4-164
*Pointer	3-281
*Print	2-180
*PS	2-411
*QSound	4-60

Command	Page
*Quit	1-330
*Ram	2-322
*Remove	2-181
*RemoveTinyDir	3-296
*Rename	2-182
*Render	5a-531
*Repeat	5a-552
*ResourceFS	2-425
*RMClear	1-272
*RMEnsure	1-273
*RMFaster	1-274
*RMInsert	1-275
*RMKill	1-277
*RMLoad	1-278
*RMReInit	1-279
*RMRun	1-281
*RMTidy	1-282
*ROMModules	1-283
*Run	2-183
*SafeLogon	5a-554
*Save	2-185
*SaveFontCache	3-527, 5a-677
*SChoose	1-844
*SCopy	1-845
*ScreenLoad	1-846, 5a-122, 5a-669
*ScreenSave	1-847, 5a-122, 5a-669
*SDelete	1-848
*SDisc	2-390
*Set	1-331
*SetEval	1-333
*SetMacro	1-334
*SetPS	2-412
*SetStation	5a-303
*SetType	2-186
*SFlipX	1-849
*SFlipY	1-850
*SGet	1-851
*Shadow	1-768
*Share	5a-479
*ShareFS	5a-480
*ShareFSIcon	5a-481
*ShareFSWindow	5a-482

Command	Page
*Shares	5a-483
*ShellCLI	3-330
*ShellCLI_Task	3-322
*ShellCLI_TaskQuit	3-323
*Show	1-336
*ShowFree	2-527
*ShowRegs	4-239
*Shut	2-187
*ShutDown	2-188
*SInfo	1-852
*SList	1-853
*SLoad	1-854
*SMerge	1-855
*SNew	1-856
*Sound	4-62
*Speaker	4-64, 5a-679
*Spool	2-189
*SpoolOn	2-190
*SRename	1-857
*SSave	1-858
*Stamp	2-191
*Status	1-407
*Stereo	4-65
*Stop	5a-209
*Supported	5a-210
*TaskWindow	3-324, 5a-677
*Tempo	4-66
*Territories	3-856
*Time	1-451
*Title	2-262
*ToolSprites	3-282
*Tuning	4-67
*TV	1-769
*Type	2-192
*Unlock	5a-211
*Unplug	1-285
*Unset	1-337
*UnShare	5a-484
*Up	2-193
*URD	2-194
*Verify	2-263
*VIDCBandwidthLimit	5a-143

Command	Page
*Voices	4-68
*Volume	4-69
*WhichDisc	5a-212
*WimpKillSprite	5a-514
*WimpMode	3-283, 5a-122
*WimpPalette	3-284
*WimpSlot	3-286
*WimpTask	3-288
*WimpWriteDir	3-289
*Wipe	2-195



Index of OS_Bytes

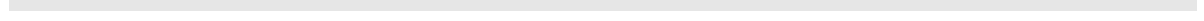
OS_Byte	Description	Page
0 (&00)	Display OS version information	1-968
2 (&02)	Specify input stream	1-882
3 (&03)	Specify output streams	1-520
4 (&04)	Cursor key status	1-884
5 (&05)	Write printer driver type	1-522
6 (&06)	Write printer ignore character	1-524
7 (&07)	Write RS423 receive rate	2-451, 5a-225
8 (&08)	Write RS423 transmit rate	2-453, 5a-225
9 (&09)	Write duration of first colour	1-649
10 (&0A)	Write duration of second colour	1-651
11 (&0B)	Write keyboard auto-repeat delay	1-886
12 (&0C)	Write keyboard auto-repeat rate	1-888
13 (&0D)	Disable event	1-150
14 (&0E)	Enable event	1-152
15 (&0F)	Flush buffer	1-167
16 (&10)	Store the number of channels to be sampled	5a-640
17 (&11)	Return to the caller, doing nothing	5a-641
18 (&12)	Reset function keys	1-890
19 (&13)	Wait for vertical sync (vsync)	1-652
20 (&14)	Reset font definitions	1-654
21 (&15)	Flush selected buffer	1-169
25 (&19)	Reset group of font definitions	1-656
70 (&46)	Read/write country number	3-779
71 (&47)	Read/write alphabet or keyboard	3-780
106 (&6A)	Select pointer / activate mouse	1-658
112 (&70)	Write VDU driver screen bank	1-660
113 (&71)	Write display hardware screen bank	1-662
114 (&72)	Write shadow/non-shadow state	1-664
117 (&75)	Read VDU status	1-666
118 (&76)	Reflect keyboard status in LEDs	1-891
121 (&79)	Keyboard scan	1-892
122 (&7A)	Keyboard scan from 16 decimal	1-894
124 (&7C)	Clear escape condition	1-895
125 (&7D)	Set escape condition	1-896
126 (&7E)	Acknowledge escape condition	1-897
127 (&7F)	Check for end of file	2-27

OS_Byte	Description	Page
128 (&80)	Get buffer/mouse status	1-170
	Return switch state and last channel converted	5a-642
129 (&81)	Scan a for a particular key	1-899, 5a-163
134 (&86)	Read text cursor position	1-668
135 (&87)	Read character at text cursor and screen mode	1-670, 5a-115
138 (&8A)	Insert character code into buffer	1-172
139 (&8B)	Write filing system options	2-29
143 (&8F)	Issue module service call	1-226
144 (&90)	Set vertical screen shift and interlace	1-671
145 (&91)	Get character from buffer	1-174
152 (&98)	Examine buffer status	1-176
153 (&99)	Insert character into buffer	1-178
156 (&9C)	Read/write asynchronous communications state	2-454
160 (&A0)	Read VDU variable value	1-673
161 (&A1)	Read battery backed RAM	1-369
162 (&A2)	Write battery backed RAM	1-371
163 (&A3)	Read/write general graphics information	1-675
165 (&A5)	Read output cursor position	1-677
176 (&B0)	50Hz counter	1-415
177 (&B1)	Read input source	1-902
181 (&B5)	Read/write RS423 input interpretation status	2-457
182 (&B6)	Read/write NoIgnore state	1-526
188 (&BC)	Read the current channel	5a-644
189 (&BD)	Read the number of channels to be sampled	5a-645
190 (&BE)	Read the resolution of conversion	5a-646
191 (&BF)	Read/write RS423 busy flag	2-459
192 (&C0)	Read RS423 control byte	2-460
193 (&C1)	Read/write flash counter	1-678
194 (&C2)	Read duration of second colour	1-680
195 (&C3)	Read duration of first colour	1-682
196 (&C4)	Read/write keyboard auto-repeat delay	1-904
197 (&C5)	Read/write keyboard auto-repeat rate	1-906
198 (&C6)	Read/write *Exec file handle	1-908
199 (&C7)	Read/write *Spool file handle	1-528
200 (&C8)	Read/write Break and Escape effect	1-910
201 (&C9)	Read/write keyboard disable flag	1-912
202 (&CA)	Read/write keyboard status byte	1-914
203 (&CB)	Read/write RS423 input buffer minimum space	2-462
204 (&CC)	Read/write RS423 ignore flag	2-464
211 (&D3)	Read/write bell channel	1-684
212 (&D4)	Read/write bell sound volume	1-686
213 (&D5)	Read/write bell frequency	1-688

OS_Byte	Description	Page
214 (&D6)	Read/write bell duration	1-690
216 (&D8)	Read/write length of function key string	1-916
217 (&D9)	Read/write paged mode line count	1-692
218 (&DA)	Read/write bytes in VDU queue	1-694
219 (&DB)	Read/write Tab key code	1-918
220 (&DC)	Read/write escape character	1-920
221 (&DD)	Read/write interpretation of input values &C0 - &CF	1-922
222 (&DE)	Read/write interpretation of input values &D0 - &DF	1-922
223 (&DF)	Read/write interpretation of input values &E0 - &EF	1-922
224 (&E0)	Read/write interpretation of input values &F0 - &FF	1-922
225 (&E1)	Read/write function key interpretation	1-922
226 (&E2)	Read/write Shift function key interpretation	1-922
227 (&E3)	Read/write Ctrl function key interpretation	1-922
228 (&E4)	Read/write Ctrl Shift function key interpretation	1-922
229 (&E5)	Read/write Escape key status	1-925
230 (&E6)	Read/write escape effects	1-927
236 (&EC)	Read/write character destination status	1-530
237 (&ED)	Read/write cursor key status	1-929
238 (&EE)	Read/write numeric keypad interpretation	1-931
240 (&F0)	Read country flag	3-782
242 (&F2)	Read RS423 baud rates	2-466
243 (&F3)	Read timer switch state	1-417
245 (&F5)	Read printer driver type	1-532
246 (&F6)	Read/write printer ignore character	1-534
247 (&F7)	Read/write Break key actions	1-933
250 (&FA)	Read VDU driver screen bank number	1-696
251 (&FB)	Read display screen bank number	1-698
253 (&FD)	Read last break type	1-935, 5a-250
254 (&FE)	Set effect of Shift Ctrl on numeric keypad	1-937
255 (&FF)	Read/write boot option	2-30

Index of OS_Words

OS_Word	Description	Page
0 (&00)	Read line from input stream to memory	1-939
1 (&01)	Read system clock	1-417
2 (&02)	Write system clock	1-421
3 (&03)	Read interval timer	1-423
4 (&04)	Write interval timer	1-425
9 (&09)	Read pixel logical colour	1-700, 5a-115
10 (&0A)	Read a character definition	1-702
11 (&0B)	Read the palette	1-704, 5a-115
12 (&0C)	Write the palette	1-706, 5a-115
13 (&0D)	Read current and last graphics cursors	1-708
14 (&0E)	Read CMOS clock	1-427 to 1-434
15 (&0F)	Write CMOS clock	1-435 to 1-440
21 (&15)	Define pointer and mouse parameters	1-710 to 1-723
22 (&16)	Write screen base address	1-724



Numeric index of Service Calls

The names given below omit the initial 'Service_' for clarity:

No	Name	Meaning	Page
&04	UKCommand	Unknown command	1-259
&06	Error	Error has occurred	1-260
&07	UKByte	Unknown OS_Byte	1-261
&08	UKWord	Unknown OS_Word	1-262
&09	Help	*Help has been called	1-263
&0B	ReleaseFIQ	Release FIQ	1-136
&0C	ClaimFIQ	Claim FIQ	1-137
&11	Memory	Memory controller about to be remapped	3-66
&12	StartUpFS	Start up filing system	2-24
&27	Reset	Post-Reset	3-67
&28	UKConfig	Unknown *Configure	1-264
&29	UKStatus	Unknown *Status	1-265
&2A	NewApplication	Application about to start	1-266
&40	FSRedeclare	Start up filing system	2-25
&41	Print	For internal use only	3-607
&42	LookupFileType	Look up file type	1-267
&43	International	International service	3-771
&44	Keyhandler	Keyboard handler	1-879
&45	PreReset	Pre-reset	4-135
&46	ModeChange	Mode change	1-638
&47	ClaimFIQInBackground	Claim FIQ in background	1-138
&48	ReAllocatePorts	Econet restarting	2-652
&49	StartWimp	Start up any resident module tasks using Wimp_StartTask	3-68
&4A	StartedWimp	Request to task modules to set taskHandle variable to zero	3-70
&4B	StartFiler	Request to filing-system-specific desktop filers to start up	2-500

No	Name	Meaning	Page
&4C	StartedFiler	Request to filing-system-specific desktop filers to set taskHandle variable to zero	2-502
&4D	PreModeChange	Mode change	1-639
&4E	MemoryMoved	OS_ChangeDynamicArea has just finished	1-367
&4F	FilerDying	Notification that the Filer module is about to close down	2-503
&50	ModeExtension	Allow soft modes	1-641, 5a-125
&51	ModeTranslation	Translate modes for unknown monitor types	1-645, 5a-114
&52	MouseTrap	The Wimp has detected a significant mouse movement	3-72
&53	WimpCloseDown	Notification that the Window Manager is about to close down a task	3-73
&54	Sound	Parts of the Sound system are starting or dying	4-17
&55	NetFS	Either a *Logon, a *Bye or a *SDisc/*Mount has occurred	2-348
&56	EconetDying	Econet is about to leave	2-653, 5a-674
&57	WimpReportError	Request to suspend trapping of VDU output so an error can be displayed	3-75
&59	ResourceFSStarted	The file structure inside ResourceFS has changed	2-419
&5A	ResourceFSDying	ResourceFS is killed	2-420
&5B	CalibrationChanged	Screen calibration is changed	3-342
&5C	WimpSaveDesktop	Save some state to a desktop boot file	3-76
&5D	WimpPalette	Palette change	3-77
&5E	MessageFileClosed	Message files have been closed	3-749
&5F	NetFSDying	NetFS is dying	2-349
&60	ResourceFSStarting	ResourceFS module is reloaded or reinitialised	2-421

No	Name	Meaning	Page
&64	TerritoryManagerLoaded	Tell territory modules to register themselves.	3-798
&65	PDriverStarting	PDriver sharer module started	3-608
&66	PDumperStarting	PDriverDP module starting up	3-686
&67	PDumperDying	PDriverDP module dying	3-687
&68	CloseFile	Close an object, and any children of that object	2-26
&69	IdentifyDisc	Identify disc format	2-220
&6A	EnumerateFormats	Enumerate available disc formats	2-504
&6B	IdentifyFormat	Identify disc format name	2-281
&6C	DisplayFormatHelp	Display list of available formats	2-282
&6D	ValidateAddress	OS_ValidateAddress has been called with an unrecognised area	1-368
&6E	FontsChanged	New Font\$Path detected	3-425
&6F	BufferStarting	Notifies modules that the buffer manager is starting	4-87
&70	DeviceFSStarting	DeviceFS is starting	2-431
&71	DeviceFSDying	DeviceFS is dying	2-432
&72	SwitchingOutputToSprite	Output switched to sprite, mask or screen	1-787
&73	PostInit	All modules have been initialised	1-268
&75	TerritoryStarted	New territory starting	3-799
&76	MonitorLeadTranslation	Translate monitor lead ID	1-646, 5a-114
&78	PDriverGetMessage	Get common messages file	3-609
&79	DeviceDead	Device has been killed by DeviceFS	2-433
&7A	ScreenBlanked	Screen blanked by screen blanker	4-110
&7B	ScreenRestored	Screen restored by screen blanker	4-111
&7C	DesktopWelcome	Desktop starting	3-78
&7D	DiscDismounted	Disc dismounted	2-506
&7E	ShutDown	Switcher shutting down	3-79
&7F	PDriverChanged	Currently selected printer driver has changed	3-610, 5a-678
&80	ShutdownComplete	Shutdown completed	3-80

No	Name	Meaning	Page
&81	DeviceFSCloseRequest	Opening a device which already has the maximum number of streams open	2-434
&82	InvalidateCache	Broadcast whenever the cache is flushed within ColourTrans	3-343
&83	ProtocolDying	Part of the AUN Driver Control Interface	2-654
&84	FindNetworkDriver	Part of the AUN Driver Control Interface	2-655
&85	WimpSpritesMoved	Wimp sprite pools have moved	3-75
&86	WimpRegisterFilters	Allows the Filter Manager to install filters with the Window Manager	3-75
&87	FilterManagerInstalled	Filter Manager starting up	3-302
&88	FilterManagerDying	Filter Manager dying	3-303
&89	ModeChanging	Mode change	1-648
&8A	Portable	Power down or up	4-207
&8B	NetworkDriverStatus	Part of the AUN Driver Control Interface	2-656
&8C	SyntaxError	Syntax error translation	1-269
&8D	EnumerateScreenModes	Enumerates the available screen modes	5a-129
&8E	PagesUnsafe	Pages specified are about to be swapped for different pages	5a-48
&8F	PagesSafe	Pages specified have been swapped for different pages	5a-49
&90	DynamicAreaCreate	Dynamic area has just been successfully created	5a-50
&91	DynamicAreaRemove	Dynamic area is about to be removed	5a-51
&92	DynamicAreaRenumber	Dynamic area is being renumbered	5a-52
&93	ColourPickerLoaded	For internal use only	5a-560
&9B	EnumerateNetworkDrivers	Issued to obtain a linked list of all active network device drivers	5a-463
&9D	DCIDriverStatus	Issued by a network device driver module once initialised, and when finalising	5a-465

No	Name	Meaning	Page
&9E	DCIFrameTypeFree	Part of the AUN Driver Control Interface	5a-465
&9F	DCIProtocolStatus	Issued by a protocol module once it has initialised, and when it is finalising	5a-466
&B0	InternetStatus	Issued by the Internet module when an interface address has been changed	5a-467
&10800	ADFSPodule	Issued by ADFS to locate an ST506 expansion card	4-136
&10801	ADFSPoduleIDE	Issued by ADFS to locate an IDE expansion card	4-137
&10802	ADFSPoduleIDEDying	IDE expansion card dying	4-138
&400C 0	ErrorStarting	Issued immediately after Wimp_ReportError is called	5a-498
&400C 1	ErrorButtonPressed	Issued when any button on the error report is pressed	5a-499
&400C 2	ErrorEnding	Issued immediately before an error report closes	5a-500
&40200	NetPrintCheckD1	Issued by NetPrint to determine if there is a local printer server running	5a-214
&45540	DrawObjectRender	Issued when the SWI DrawFile_Render encounters an unrecognised object	5a-524
&45541	DrawObjectDeclareFonts	Issued when the SWI DrawFile_DeclareFonts encounters an unrecognised object	5a-525

Alphabetic index of Service Calls

The names given below omit the initial 'Service_' for clarity:

Name	No	Meaning	Page
ADFSPodule	&10800	Issued by ADFS to locate an ST506 expansion card	4-136
ADFSPoduleIDE	&10801	Issued by ADFS to locate an IDE expansion card	4-137
ADFSPoduleIDEDying	&10802	IDE expansion card dying	4-138
BufferStarting	&6F	Notifies modules that the buffer manager is starting	4-87
CalibrationChanged	&5B	Screen calibration is changed	3-342
ClaimFIQ	&0C	Claim FIQ	1-137
ClaimFIQinBackground	&47	Claim FIQ in background	1-138
CloseFile	&68	Close an object, and any children of that object	2-26
ColourPickerLoaded	&93	For internal use only	5a-560
DCIDriverStatus	&9D	Issued by a network device driver module once initialised, and when finalising	5a-465
DCIFrameTypeFree	&9E	Part of the AUN Driver Control Interface	5a-465
DCIProtocolStatus	&9F	Issued by a protocol module once it has initialised, and when it is finalising	5a-466
DesktopWelcome	&7C	Desktop starting	3-78
DeviceDead	&79	Device has been killed by DeviceFS	2-433
DeviceFSCloseRequest	&81	Opening a device which already has the maximum number of streams open	2-434
DeviceFSDying	&71	DeviceFS is dying	2-432
DeviceFSStarting	&70	DeviceFS is starting	2-431
DiscDismounted	&7D	Disc dismounted	2-506
DisplayFormatHelp	&6C	Display list of available formats	2-282

Name	No	Meaning	Page
DrawObjectRender	&45540	Issued when the SWI DrawFile_Render encounters an unrecognised object	5a-524
DrawObjectDeclareFonts	&45541	Issued when the SWI DrawFile_DeclareFonts encounters an unrecognised object	5a-525
DynamicAreaCreate	&90	Dynamic area has just been successfully created	5a-50
DynamicAreaRemove	&91	Dynamic area is about to be removed	5a-51
DynamicAreaRenumbr	&92	Dynamic area is being renumbered	5a-52
EconetDying	&56	Econet is about to leave	2-653, 5a-674
EnumerateFormats	&6A	Enumerate available disc formats	2-504
EnumerateNetworkDrivers	&9B	Issued to obtain a linked list of all active network device drivers	5a-463
EnumerateScreenModes	&8D	Enumerates the available screen modes	5a-129
Error	&06	Error has occurred	1-260
ErrorButtonPressed	&400C 1	Issued when any button on the error report is pressed	5a-499
ErrorEnding	&400C 2	Issued immediately before an error report closes	5a-500
ErrorStarting	&400C 0	Issued immediately after Wimp_ReportError is called	5a-498
FilerDying	&4F	Notification that the Filer module is about to close down	2-503
FilterManagerDying	&88	Filter Manager dying	3-303
FilterManagerInstalled	&87	Filter Manager starting up	3-302
FindNetworkDriver	&84	Part of the AUN Driver Control Interface	2-655
FontsChanged	&6E	New Font\$Path detected	3-425
FSRedeclare	&40	Start up filing system	2-25
Help	&09	*Help has been called	1-263
IdentifyDisc	&69	Identify disc format	2-220
IdentifyFormat	&6B	Identify disc format name	2-281
International	&43	International service	3-771

Name	No	Meaning	Page
InternetStatus	&B0	Issued by the Internet module when an interface address has been changed	5a-467
InvalidateCache	&82	Broadcast whenever the cache is flushed within ColourTrans	3-343
Keyhandler	&44	Keyboard handler	1-879
LookupFileType	&42	Look up file type	1-267
Memory	&11	Memory controller about to be remapped	3-66
MemoryMoved	&4E	OS_ChangeDynamicArea has just finished	1-367
MessageFileClosed	&5E	Message files have been closed	3-749
ModeChange	&46	Mode change	1-638
ModeChanging	&89	Mode change	1-648
ModeExtension	&50	Allow soft modes	1-641, 5a-125
ModeTranslation	&51	Translate modes for unknown monitor types	1-645, 5a-114
MonitorLeadTranslation	&76	Translate monitor lead ID	1-646, 5a-114
MouseTrap	&52	The Wimp has detected a significant mouse movement	3-72
NetFS	&55	Either a *Logon, a *Bye or a *SDisc/*Mount has occurred	2-348
NetFSDying	&5F	NetFS is dying	2-349
NetPrintCheckD1	&40200	Issued by NetPrint to determine if there is a local printer server running	5a-214
NetworkDriverStatus	&8B	Part of the AUN Driver Control Interface	2-656
NewApplication	&2A	Application about to start	1-266
PagesSafe	&8F	Pages specified have been swapped for different pages	5a-49
PagesUnsafe	&8E	Pages specified are about to be swapped for different pages	5a-48
PDriverChanged	&7F	Currently selected printer driver has changed	3-610, 5a-678
PDriverGetMessage	&78	Get common messages file	3-609

Name	No	Meaning	Page
PDriverStarting	&65	PDriver sharer module started	3-608
PDumperDying	&67	PDriverDP module dying	3-687
PDumperStarting	&66	PDriverDP module starting up	3-686
Portable	&8A	Power down or up	4-207
PostInit	&73	All modules have been initialised	1-268
PreModeChange	&4D	Mode change	1-639
PreReset	&45	Pre-reset	4-135
Print	&41	For internal use only	3-607
ProtocolDying	&83	Part of the AUN Driver Control Interface	2-654
ReAllocatePorts	&48	Econet restarting	2-652
ReleaseFIQ	&0B	Release FIQ	1-136
Reset	&27	Post-Reset	3-67
ResourceFSDying	&5A	ResourceFS is killed	2-420
ResourceFSStarted	&59	The file structure inside ResourceFS has changed	2-419
ResourceFSStarting	&60	ResourceFS module is reloaded or reinitialised	2-421
ScreenBlanked	&7A	Screen blanked by screen blanker	4-110
ScreenRestored	&7B	Screen restored by screen blanker	4-111
ShutDown	&7E	Switcher shutting down	3-79
ShutdownComplete	&80	Shutdown completed	3-80
Sound	&54	Parts of the Sound system are starting or dying	4-17
StartedFiler	&4C	Request to filing-system-specific desktop filers to set taskHandle variable to zero	2-502
StartedWimp	&4A	Request to task modules to set taskHandle variable to zero	3-70
StartFiler	&4B	Request to filing-system-specific desktop filers to start up	2-500
StartUpFS	&12	Start up filing system	2-24
StartWimp	&49	Start up any resident module tasks using Wimp_StartTask	3-68
SwitchingOutputToSprite	&72	Output switched to sprite, mask or screen	1-787
SyntaxError	&8C	Syntax error translation	1-269

Name	No	Meaning	Page
TerritoryManagerLoaded	&64	Tell territory modules to register themselves.	3-798
TerritoryStarted	&75	New territory starting	3-799
UKByte	&07	Unknown OS_Byte	1-261
UKCommand	&04	Unknown command	1-259
UKConfig	&28	Unknown *Configure	1-264
UKStatus	&29	Unknown *Status	1-265
UKWord	&08	Unknown OS_Word	1-262
ValidateAddress	&6D	OS_ValidateAddress has been called with an unrecognised area	1-368
WimpCloseDown	&53	Notification that the Window Manager is about to close down a task	3-73
WimpPalette	&5D	Palette change	3-77
WimpRegisterFilters	&86	Allows the Filter Manager to install filters with the Window Manager	3-75
WimpReportError	&57	Request to suspend trapping of VDU output so an error can be displayed	3-75
WimpSaveDesktop	&5C	Save some state to a desktop boot file	3-76
WimpSpritesMoved	&85	Wimp sprite pools have moved	3-75

Numeric index of SWIs

Operating system SWIs

OS SWIs (Kernel and FileSwitch)

Number	SWI Name	Page
&00	OS_WriteC	1-515
&01	OS_WriteS	1-517
&02	OS_Write0	1-518
&03	OS_NewLine	1-519
&04	OS_ReadC	1-880
&05	OS_CLI	1-961
&06	OS_Byte	1-54, Index-13
&07	OS_Word	1-61, Index-17
&08	OS_File	2-32
&09	OS_Args	2-49
&0A	OS_BGet	2-63
&0B	OS_BPut	2-65
&0C	OS_GBPB	2-66
&0D	OS_Find	2-75
&0E	OS_ReadLine	1-941
&0F	OS_Control	1-299
&10	OS_GetEnv	1-301
&11	OS_Exit	1-303
&12	OS_SetEnv	1-305
&13	OS_IntOn	1-139
&14	OS_IntOff	1-140
&15	OS_CallBack	1-307
&16	OS_EnterOS	1-141
&17	OS_BreakPt	1-309
&18	OS_BreakCtrl	1-310
&19	OS_UnusedSWI	1-312
&1A	OS_UpdateMEMC	1-373
&1B	OS_SetCallBack	1-313
&1C	OS_Mouse	1-726
&1D	OS_Heap	1-375, 5a-44
&1E	OS_Module	1-228, 5a-668
&1F	OS_Claim	1-66

Number	SWI Name	Page
&20	OS_Release	1-68
&21	OS_ReadUnsigned	1-460
&22	OS_GenerateEvent	1-154
&23	OS_ReadVarVal	1-314, 5a-669
&24	OS_SetVarVal	1-316
&25	OS_GSInit	1-462
&26	OS_GSRead	1-464
&27	OS_GSTrans	1-466
&28	OS_BinaryToDecimal	1-468
&29	OS_FSControl	2-80, 5a-168, 5a-671
&2A	OS_ChangeDynamicArea	1-384, 5a-43
&2B	OS_GenerateError	1-45
&2C	OS_ReadEscapeState	1-943
&2D	OS_EvaluateExpression	1-470
&2E	OS_SpriteOp	1-788, 5a-117, 5a-131, 5a-670
&2F	OS_ReadPalette	1-728
&30	OS_ServiceCall	1-254, 5a-35
&31	OS_ReadVduVariables	1-730
&32	OS_ReadPoint	1-734
&33	OS_UpCall	1-181
&34	OS_CallAVector	1-70
&35	OS_ReadModeVariable	1-736, 5a-115
&36	OS_RemoveCursors	1-739
&37	OS_RestoreCursors	1-741
&38	OS_SWINumberToString	1-472
&39	OS_SWINumberFromString	1-474
&3A	OS_ValidateAddress	1-386
&3B	OS_CallAfter	1-441
&3C	OS_CallEvery	1-443
&3D	OS_RemoveTickerEvent	1-445, 5a-669
&3E	OS_InstallKeyHandler	1-945
&3F	OS_CheckModeValid	1-742, 5a-116, 5a-669
&40	OS_ChangeEnvironment	1-320
&41	OS_ClaimScreenMemory	1-388
&42	OS_ReadMonotonicTime	1-446
&43	OS_SubstituteArgs	1-476
&44	OS_PrettyPrint	1-536
&45	OS_Plot	1-744, 5a-116
&46	OS_WriteN	1-540

Number	SWI Name	Page
&47	OS_AddToVector	1-72
&48	OS_WriteEnv	1-322
&49	OS_ReadArgs	1-478
&4A	OS_ReadRAMFLimits	1-390
&4B	OS_ClaimDeviceVector	1-123
&4C	OS_ReleaseDeviceVector	1-125
&4D	OS_DelinkApplication	1-74
&4E	OS_RelinkApplication	1-76
&4F	OS_HeapSort	1-970, 5a-670
&50	OS_ExitAndDie	1-323
&51	OS_ReadMemMapInfo	1-391
&52	OS_ReadMemMapEntries	1-392
&53	OS_SetMemMapEntries	1-394, 5a-43
&54	OS_AddCallBack	1-324
&55	OS_ReadDefaultHandler	1-326
&56	OS_SetECFOrgin	1-745
&57	OS_SerialOp	2-468, 5a-224, 5a-690
&58	OS_ReadSysInfo	1-746, 5a-222
&59	OS_Confirm	1-973
&5A	OS_ChangedBox	1-752
&5B	OS_CRC	1-975
&5C	OS_ReadDynamicArea	1-396, 5a-43
&5D	OS_PrintChar	1-539
&5E	OS_ChangeRedirection	1-963
&5F	OS_RemoveCallBack	1-327
&60	OS_FindMemMapEntries	1-398
&61	OS_SetColour	1-754, 5a-116
&64	OS_Pointer	5a-244
&65	OS_ScreenMode	5a-133
&66	OS_DynamicArea	5a-53
&68	OS_Memory	5a-62
&69	OS_ClaimProcessorVector	5a-30
&6A	OS_Reset	5a-164
&6B	OS_MMUControl	5a-71
&C0	OS_ConvertStandardDateAndTime	1-447
&C1	OS_ConvertDateAndTime	1-449
&D0	OS_ConvertHex1	1-482
&D1	OS_ConvertHex2	1-482
&D2	OS_ConvertHex4	1-482
&D3	OS_ConvertHex6	1-482
&D4	OS_ConvertHex8	1-482

Number	SWI Name	Page
&D5	OS_ConvertCardinal1	1-482
&D6	OS_ConvertCardinal2	1-482
&D7	OS_ConvertCardinal3	1-482
&D8	OS_ConvertCardinal4	1-482
&D9	OS_ConvertInteger1	1-482
&DA	OS_ConvertInteger2	1-482
&DB	OS_ConvertInteger3	1-482
&DC	OS_ConvertInteger4	1-482
&DD	OS_ConvertBinary1	1-482
&DE	OS_ConvertBinary2	1-482
&DF	OS_ConvertBinary3	1-482
&E0	OS_ConvertBinary4	1-482
&E1	OS_ConvertSpacedCardinal1	1-482
&E2	OS_ConvertSpacedCardinal2	1-482
&E3	OS_ConvertSpacedCardinal3	1-482
&E4	OS_ConvertSpacedCardinal4	1-482
&E5	OS_ConvertSpacedInteger1	1-482
&E6	OS_ConvertSpacedInteger2	1-482
&E7	OS_ConvertSpacedInteger3	1-482
&E8	OS_ConvertSpacedInteger4	1-482
&E9	OS_ConvertFixedNetStation	1-486
&EA	OS_ConvertNetStation	1-488
&EB	OS_ConvertFixedFileSize	1-490
&EC	OS_ConvertFileSize	1-492
&100-1FF	OS_WriteI	1-541

IIC SWI

Number	SWI Name	Page
&240	IIC_Control	1-977, 5a-670

Cache SWIs (for ARM3)

Number	SWI Name	Page
&280	Cache_Control	4-192, 5a-44
&281	Cache_Cacheable	4-194, 5a-44
&282	Cache_Updateable	4-196, 5a-44
&283	Cache_Disruptive	4-198, 5a-44
&284	Cache_Flush	4-200, 5a-44

System Extension SWIs

Econet SWIs

Number	SWI Name	Page
&40000	Econet_CreateReceive	2-657
&40001	Econet_ExamineReceive	2-659
&40002	Econet_ReadReceive	2-661
&40003	Econet_AbandonReceive	2-663
&40004	Econet_WaitForReception	2-664
&40005	Econet_EnumerateReceive	2-666
&40006	Econet_StartTransmit	2-667
&40007	Econet_PollTransmit	2-669
&40008	Econet_AbandonTransmit	2-671
&40009	Econet_DoTransmit	2-672
&4000A	Econet_ReadLocalStationAndNet	2-674
&4000B	Econet_ConvertStatusToString	2-675
&4000C	Econet_ConvertStatusToError	2-677
&4000D	Econet_ReadProtection	2-679
&4000E	Econet_SetProtection	2-681
&4000F	Econet_ReadStationNumber	2-683
&40010	Econet_PrintBanner	2-684
&40011	Econet_ReadTransportType	2-685
&40012	Econet_ReleasePort	2-687
&40013	Econet_AllocatePort	2-688, 5a-270
&40014	Econet_DeAllocatePort	2-689
&40015	Econet_ClaimPort	2-690
&40016	Econet_StartImmediate	2-691
&40017	Econet_DoImmediate	2-693
&40018	Econet_AbandonAndReadReceive	2-695
&40019	Econet_Version	2-697
&4001A	Econet_NetworkState	2-698
&4001B	Econet_PacketSize	2-700
&4001C	Econet_ReadTransportName	2-702
&4001D	Econet_InetRxDirect	5a-271
&4001E	Econet_EnumerateMap	5a-272
&4001F	Econet_EnumerateTransmit	5a-274
&40020	Econet_HardwareAddresses	5a-276
&40021	Econet_NetworkParameters	5a-277

NetFS SWIs

Number	SWI Name	Page
&40040	NetFS_ReadFSNumber	2-350
&40041	NetFS_SetFSNumber	2-351
&40042	NetFS_ReadFSName	2-352
&40043	NetFS_SetFSName	2-353
&40044	NetFS_ReadCurrentContext	2-354
&40045	NetFS_SetCurrentContext	2-355
&40046	NetFS_ReadFSTimeouts	2-356
&40047	NetFS_SetFSTimeouts	2-357
&40048	NetFS_DoFSOp	2-358
&40049	NetFS_EnumerateFSList	2-360
&4004A	NetFS_EnumerateFS	2-362
&4004B	NetFS_ConvertDate	2-364
&4004C	NetFS_DoFSOpToGivenFS	2-366
&4004D	NetFS_UpdateFSList	2-368
&4004E	NetFS_EnumerateFSContexts	2-370
&4004F	NetFS_ReadUserId	2-372
&40050	NetFS_GetObjectUID	2-373
&40051	NetFS_EnableCache	2-375

Font manager SWIs

Number	SWI Name	Page
&40080	Font_CacheAddr	3-426
&40081	Font_FindFont	3-428
&40082	Font_LoseFont	3-431
&40083	Font_ReadDefn	3-432
&40084	Font_ReadInfo	3-434
&40085	Font_StringWidth	3-435
&40086	Font_Paint	3-437
&40087	Font_Caret	3-444
&40088	Font_ConverttoOS	3-446
&40089	Font_Converttopoints	3-447
&4008A	Font_SetFont	3-448
&4008B	Font_CurrentFont	3-449
&4008C	Font_FutureFont	3-451
&4008D	Font_FindCaret	3-452
&4008E	Font_CharBBox	3-454
&4008F	Font_ReadScaleFactor	3-456
&40090	Font_SetScaleFactor	3-457
&40091	Font_ListFonts	3-458
&40092	Font_SetFontColours	3-461

Number	SWI Name	Page
&40093	Font_SetPalette	3-463
&40094	Font_ReadThresholds	3-465
&40095	Font_SetThresholds	3-468
&40096	Font_FindCaretJ	3-469
&40097	Font_StringBBox	3-471
&40098	Font_ReadColourTable	3-473
&40099	Font_MakeBitmap	3-474
&4009A	Font_UnCacheFile	3-476
&4009B	Font_SetFontMax	3-478
&4009C	Font_ReadFontMax	3-480
&4009D	Font_ReadFontPrefix	3-481
&4009E	Font_SwitchOutputToBuffer	3-483
&4009F	Font_ReadFontMetrics	3-486
&400A0	Font_DecodeMenu	3-490
&400A1	Font_ScanString	3-492
&400A2	Font_SetColourTable	3-496
&400A3	Font_CurrentRGB	3-497
&400A4	Font_FutureRGB	3-499
&400A5	Font_ReadEncodingFilename	3-501
&400A6	Font_FindField	3-503
&400A7	Font_ApplyFields	3-504
&400A8	Font_LookupFont	3-506

Wimp (window manager) SWIs

Number	SWI Name	Page
&400C0	Wimp_Initialise	3-85, 5a-675
&400C1	Wimp_CreateWindow	3-87, 5a-494
&400C2	Wimp_CreateIcon	3-93, 5a-495, 5a-675
&400C3	Wimp_DeleteWindow	3-105
&400C4	Wimp_DeleteIcon	3-107
&400C5	Wimp_OpenWindow	3-109
&400C6	Wimp_CloseWindow	3-111
&400C7	Wimp_Poll	3-112, 5a-675
&400C8	Wimp_RedrawWindow	3-126
&400C9	Wimp_UpdateWindow	3-128
&400CA	Wimp_GetRectangle	3-130
&400CB	Wimp_GetWindowState	3-132
&400CC	Wimp_GetWindowInfo	3-134
&400CD	Wimp_SetIconState	3-136
&400CE	Wimp_GetIconState	3-138

Number	SWI Name	Page
&400CF	Wimp_GetPointerInfo	3-140
&400D0	Wimp_DragBox	3-142
&400D1	Wimp_ForceRedraw	3-147
&400D2	Wimp_SetCaretPosition	3-149
&400D3	Wimp_GetCaretPosition	3-151
&400D4	Wimp_CreateMenu	3-153, 5a-495
&400D5	Wimp_DecodeMenu	3-158, 5a-675
&400D6	Wimp_WhichIcon	3-159
&400D7	Wimp_SetExtent	3-161
&400D8	Wimp_SetPointerShape	3-163
&400D9	Wimp_OpenTemplate	3-165
&400DA	Wimp_CloseTemplate	3-166
&400DB	Wimp_LoadTemplate	3-167
&400DC	Wimp_ProcessKey	3-170
&400DD	Wimp_CloseDown	3-172
&400DE	Wimp_StartTask	3-174
&400DF	Wimp_ReportError	3-176, 5a-495
&400E0	Wimp_GetWindowOutline	3-179
&400E1	Wimp_PollIdle	3-181
&400E2	Wimp_PlotIcon	3-183
&400E3	Wimp_SetMode	3-185, 5a-119
&400E4	Wimp_SetPalette	3-187
&400E5	Wimp_ReadPalette	3-189, 5a-675
&400E6	Wimp_SetColour	3-191
&400E7	Wimp_SendMessage	3-193
&400E8	Wimp_CreateSubMenu	3-196
&400E9	Wimp_SpriteOp	3-198, 5a-675
&400EA	Wimp_BaseOfSprites	3-200
&400EB	Wimp_BlockCopy	3-201
&400EC	Wimp_SlotSize	3-203
&400ED	Wimp_ReadPixTrans	3-205
&400EE	Wimp_ClaimFreeMemory	3-208, 5a-44
&400EF	Wimp_CommandWindow	3-210
&400F0	Wimp_TextColour	3-212
&400F1	Wimp_TransferBlock	3-214, 5a-44
&400F2	Wimp_ReadSysInfo	3-216, 5a-496
&400F3	Wimp_SetFontColours	3-218
&400F4	Wimp_GetMenuState	3-220
&400F5	Wimp_RegisterFilter	3-222
&400F6	Wimp_AddMessages	3-224
&400F7	Wimp_RemoveMessages	3-225
&400F8	Wimp_SetColourMapping	3-226

Number	SWI Name	Page
&400F9	Wimp_TextOp	5a-501
&400FA	Wimp_SetWatchdogState	5a-506
&400FB	Wimp_Extend	5a-508
&400FC	Wimp_ResizeIcon	5a-509

Sound SWIs

Number	SWI Name	Page
&40140	Sound_Configure	4-18, 5a-598
&40141	Sound_Enable	4-20
&40142	Sound_Stereo	4-22
&40143	Sound_Speaker	4-24, 5a-679
&40144	Sound_Mode	5a-601
&40145	Sound_LinearHandler	5a-605
&40146	Sound_SampleRate	5a-609
&40180	Sound_Volume	4-26
&40181	Sound_SoundLog	4-27
&40182	Sound_LogScale	4-28
&40183	Sound_InstallVoice	4-29
&40184	Sound_RemoveVoice	4-35
&40185	Sound_AttachVoice	4-37
&40186	Sound_ControlPacked	4-38
&40187	Sound_Tuning	4-39
&40188	Sound_Pitch	4-40
&40189	Sound_Control	4-41
&4018A	Sound_AttachNamedVoice	4-43
&4018B	Sound_ReadControlBlock	4-44
&4018C	Sound_WriteControlBlock	4-45
&401C0	Sound_QInit	4-47
&401C1	Sound_QSchedule	4-48
&401C2	Sound_QRemove	4-50
&401C3	Sound_QFree	4-51
&401C4	Sound_QSDispatch	4-52
&401C5	Sound_QTempo	4-53
&401C6	Sound_QBeat	4-54
&401C7	Sound_QInterface	4-56

NetPrint SWIs

Number	SWI Name	Page
&40200	NetPrint_ReadPSNumber	2-397
&40201	NetPrint_SetPSNumber	2-398
&40202	NetPrint_ReadPSName	2-399

Number	SWI Name	Page
&40203	NetPrint_SetPSName	2-401
&40204	NetPrint_ReadPSTimeouts	2-402
&40205	NetPrint_SetPSTimeouts	2-403
&40206	NetPrint_BindPSName	2-404
&40207	NetPrint_ListServers	2-405
&40208	NetPrint_ConvertStatusToString	2-407

ADFS SWIs

Number	SWI Name	Page
&40240	ADFS_DiscOp	2-283, 5a-185
&40241	ADFS_HDC	2-284
&40242	ADFS_Drives	2-286
&40243	ADFS_FreeSpace	2-287
&40244	ADFS_Retries	2-288
&40245	ADFS_DescribeDisc	2-290
&40246	ADFS_VetFormat	2-291
&40247	ADFS_FlpProcessDCB	2-293
&40248	ADFS_ControllerType	2-294
&40249	ADFS_PowerControl	2-296
&4024A	ADFS_SetIDEController	2-298, 5a-672
&4024B	ADFS_IDEUserOp	2-300
&4024C	ADFS_MiscOp	2-302
&4024D	ADFS_SectorDiscOp	5a-187
&40250	ADFS_ECCSAndRetries	2-303
&40251	ADFS_LockIDE	5a-188
&40252	ADFS_FreeSpace64	5a-189

Podule (expansion card) SWIs

Number	SWI Name	Page
&40280	Podule_ReadID	4-139
&40281	Podule_ReadHeader	4-140
&40282	Podule_EnumerateChunks	4-142
&40283	Podule_ReadChunk	4-144
&40284	Podule_ReadBytes	4-145, 5a-627
&40285	Podule_WriteBytes	4-147, 5a-627
&40286	Podule_CallLoader	4-149, 5a-627
&40287	Podule_RawRead	4-151, 5a-627
&40288	Podule_RawWrite	4-153, 5a-627
&40289	Podule_HardwareAddress	4-155, 5a-627
&4028A	Podule_EnumerateChunksWithInfo	4-157
&4028B	Podule_HardwareAddresses	4-159, 5a-627

Number	SWI Name	Page
&4028C	Podule_ReturnNumber	4-161
&4028D	Podule_ReadInfo	5a-631
&4028E	Podule_SetSpeed	5a-634

Debugger SWI

Number	SWI Name	Page
&40380	Debugger_Disassemble	4-225

FPEmulator SWI

Number	SWI Name	Page
&40480	FPEmulator_Version	4-190

FileCore SWIs

Number	SWI Name	Page
&40540	FileCore_DiscOp	2-223, 5a-174
&40541	FileCore_Create	2-228, 5a-174
&40542	FileCore_Drives	2-230
&40543	FileCore_FreeSpace	2-231, 5a-175
&40544	FileCore_FloppyStructure	2-232
&40545	FileCore_DescribeDisc	2-234
&40546	FileCore_DiscardReadSectorsCache	2-235
&40547	FileCore_DiscFormat	2-236
&40548	FileCore_LayoutStructure	2-239
&40549	FileCore_MiscOp	2-240, 5a-176, 5a-671
&4054A	FileCore_SectorOp	5a-178
&4054B	FileCore_FreeSpace64	5a-183

Shell (ShellCLI) SWIs

Number	SWI Name	Page
&405C0	Shell_Create	3-328
&405C1	Shell_Destroy	3-329

Hourglass SWIs

Number	SWI Name	Page
&406C0	Hourglass_On	2-746
&406C1	Hourglass_Off	2-748
&406C2	Hourglass_Smash	2-750
&406C3	Hourglass_Start	2-751

Number	SWI Name	Page
&406C4	Hourglass_Percentage	2-752
&406C5	Hourglass_LEDs	2-754
&406C6	Hourglass_Colours	2-755

Draw SWIs

Number	SWI Name	Page
&40700	Draw_ProcessPath	3-545
&40701	Draw_ProcessPathFP	3-537
&40702	Draw_Fill	3-548
&40703	Draw_FillFP	3-537
&40704	Draw_Stroke	3-550
&40705	Draw_StrokeFP	3-537
&40706	Draw_StrokePath	3-552
&40707	Draw_StrokePathFP	3-537
&40708	Draw_FlattenPath	3-554
&40709	Draw_FlattenPathFP	3-537
&4070A	Draw_TransformPath	3-556
&4070B	Draw_TransformPathFP	3-537

ColourTrans SWIs

Number	SWI Name	Page
&40740	ColourTrans_SelectTable	3-344, 5a-120, 5a-677
&40741	ColourTrans_SelectGCOLTable	3-346, 5a-121
&40742	ColourTrans_ReturnGCOL	3-348
&40743	ColourTrans_SetGCOL	3-350
&40744	ColourTrans_ReturnColourNumber	3-352
&40745	ColourTrans_ReturnGCOLForMode	3-353
&40746	ColourTrans_ReturnColourNumberForMode	3-355
&40747	ColourTrans_ReturnOppGCOL	3-357
&40748	ColourTrans_SetOppGCOL	3-359
&40749	ColourTrans_ReturnOppColourNumber	3-361
&4074A	ColourTrans_ReturnOppGCOLForMode	3-362
&4074B	ColourTrans_ReturnOppColourNumberForMode	3-364
&4074C	ColourTrans_GCOLToColourNumber	3-366, 5a-121
&4074D	ColourTrans_ColourNumberToGCOL	3-367, 5a-121
&4074E	ColourTrans_ReturnFontColours	3-368
&4074F	ColourTrans_SetFontColours	3-370
&40750	ColourTrans_InvalidateCache	3-372
&40751	ColourTrans_SetCalibration	3-374
&40752	ColourTrans_ReadCalibration	3-375

Number	SWI Name	Page
&40753	ColourTrans_ConvertDeviceColour	3-376
&40754	ColourTrans_ConvertDevicePalette	3-377
&40755	ColourTrans_ConvertRGBToCIE	3-379
&40756	ColourTrans_ConvertCIEToRGB	3-381
&40757	ColourTrans_WriteCalibrationToFile	3-383
&40758	ColourTrans_ConvertRGBToHSV	3-385
&40759	ColourTrans_ConvertHSVToRGB	3-387
&4075A	ColourTrans_ConvertRGBToCMYK	3-389
&4075B	ColourTrans_ConvertCMYKToRGB	3-391
&4075C	ColourTrans_ReadPalette	3-393, 5a-121
&4075D	ColourTrans_WritePalette	3-395, 5a-121
&4075E	ColourTrans_SetColour	3-397
&4075F	ColourTrans_MiscOp	3-399
&40760	ColourTrans_WriteLoadingsToFile	3-400
&40761	ColourTrans_SetTextColour	3-401
&40762	ColourTrans_SetOppTextColour	3-403
&40763	ColourTrans_GenerateTable	3-344, 5a-120, 5a-677

RamFS SWIs

Number	SWI Name	Page
&40780	RamFS_DiscOp	2-317
&40782	RamFS_Drives	2-318
&40783	RamFS_FreeSpace	2-319
&40785	RamFS_DescribeDisc	2-320

SuperSample SWIs

Number	SWI Name	Page
&40D80	Super_Sample90	3-530
&40D81	Super_Sample45	3-531

Filer_Action SWIs

Number	SWI Name	Page
&40F80	FilerAction_SendSelectedDirectory	2-514
&40F81	FilerAction_SendSelectedFile	2-515
&40F82	FilerAction_SendStartOperation	2-517

Socket (Internet) SWIs

Number	SWI name	Page
&41200	Socket_Creat	5a-468
&41201	Socket_Bind	5a-468
&41202	Socket_Listen	5a-468
&41203	Socket_Accept	5a-468
&41204	Socket_Connect	5a-468
&41205	Socket_Recv	5a-468
&41206	Socket_Recvfrom	5a-468
&41207	Socket_Recvmsg	5a-468
&41208	Socket_Send	5a-468
&41209	Socket_Sendto	5a-468
&4120A	Socket_Sendmsg	5a-468
&4120B	Socket_Shutdown	5a-468
&4120C	Socket_Setsockopt	5a-468
&4120D	Socket_Getsockopt	5a-468
&4120E	Socket_Getpeername	5a-468
&4120F	Socket_Getsockname	5a-468
&41210	Socket_Close	5a-468
&41211	Socket_Select	5a-468
&41212	Socket_Ioctl	5a-468
&41213	Socket_Read	5a-468
&41214	Socket_Write	5a-468
&41215	Socket_Stat	5a-468
&41216	Socket_Readv	5a-468
&41217	Socket_Writev	5a-468
&41218	Socket_Gettsize	5a-468
&41219	Socket_Sendtoism	5a-468

CD SWIs

Number	SWI Name	Page
&41240	CD_Version	5a-193
&41241	CD_ReadData	5a-193
&41242	CD_SeekTo	5a-193
&41243	CD_DriveStatus	5a-193
&41244	CD_DriveReady	5a-193
&41245	CD_GetParameters	5a-193
&41246	CD_SetParameters	5a-193
&41247	CD_OpenDrawer	5a-193
&41248	CD_EjectButton	5a-193
&41249	CD_EnquireAddress	5a-193
&4124A	CD_EnquireDataMode	5a-193

Number	SWI Name	Page
&4124B	CD_PlayAudio	5a-193
&4124C	CD_PlayTrack	5a-193
&4124D	CD_AudioPause	5a-193
&4124E	CD_EnquireTrack	5a-193
&4124F	CD_ReadSubChannel	5a-193
&41250	CD_CheckDrive	5a-193
&41251	CD_DiscChanged	5a-193
&41252	CD_StopDisc	5a-193
&41253	CD_DiscUsed	5a-193
&41254	CD_AudioStatus	5a-193
&41255	CD_Inquiry	5a-193
&41256	CD_DiscHasChanged	5a-193
&41257	CD_Control	5a-193
&41258	CD_Supported	5a-193
&41259	CD_Prefetch	5a-193
&4125A	CD_Reset	5a-193
&4125B	CD_CloseDrawer	5a-193
&4125C	CD_IsDrawerLocked	5a-193
&4125D	CD_AudioControl	5a-193
&4125E	CD_LastError	5a-193
&4125F	CD_AudioLevel	5a-193
&41260	CD_Register	5a-193
&41261	CD_Unregister	5a-193
&41262	CD_ByteCopy	5a-193
&41263	CD_Identify	5a-193
&41264	CD_ConvertToLBA	5a-193
&41265	CD_ConvertToMSF	5a-193
&41266	CD_ReadAudio	5a-193
&41267	CD_ReadUserData	5a-193
&41268	CD_SeekUserData	5a-193
&41269	CD_GetAudioParms	5a-193
&4126A	CD_SetAudioParms	5a-193

MessageTrans SWIs

Number	SWI Name	Page
&41500	MessageTrans_FileInfo	3-750
&41501	MessageTrans_OpenFile	3-752
&41502	MessageTrans_Lookup	3-754
&41503	MessageTrans_MakeMenus	3-756
&41504	MessageTrans_CloseFile	3-759
&41505	MessageTrans_EnumerateTokens	3-760

Number	SWI Name	Page
&41506	MessageTrans_ErrorLookup	3-762
&41507	MessageTrans_GSLookup	3-764
&41508	MessageTrans_CopyError	3-766
&41509	MessageTrans_Dictionary	5a-591

PDumper (printer dumper) SWIs

Number	SWI Name	Page
&41B00	PDumper_Info	3-690
&41B01	PDumper_Claim	3-692
&41B02	PDumper_Free	3-694
&41B03	PDumper_Find	3-695
&41B04	PDumper_StartJob	3-696
&41B05	PDumper_TidyJob	3-698
&41B06	PDumper_SetColour	3-700
&41B07	PDumper_PrepareStrip	3-702
&41B08	PDumper_LookupError	3-704
&41B09	PDumper_CopyFilename	3-706

ResourceFS SWIs

Number	SWI Name	Page
&41B40	ResourceFS_RegisterFiles	2-422
&41B41	ResourceFS_DeregisterFiles	2-423

CDFS SWIs

Number	SWI Name	Page
&41E80	CDFS_ConvertDriveToDevice	5a-193
&41E81	CDFS_SetBufferSize	5a-193
&41E82	CDFS_GetBufferSize	5a-193
&41E83	CDFS_SetNumberOfDrives	5a-193
&41E84	CDFS_GetNumberOfDrives	5a-193
&41E85	CDFS_GiveFileType	5a-193
&41E86	CDFS_DescribeDisc	5a-193
&41E87	CDFS_WhereIsFile	5a-193
&41E88	CDFS_Truncation	5a-193

DragASprite SWIs

Number	SWI Name	Page
&42400	DragASprite_Start	3-298, 5a-496
&42401	DragASprite_Stop	3-300

Filter manager SWIs

Number	SWI Name	Page
&42640	Filter_RegisterPreFilter	3-304
&42641	Filter_RegisterPostFilter	3-306, 5a-676
&42642	Filter_DeRegisterPreFilter	3-308
&42643	Filter_DeRegisterPostFilter	3-309

TaskManager SWIs

Number	SWI Name	Page
&42680	TaskManager_TaskNameFromHandle	3-312
&42681	TaskManager_EnumerateTasks	3-313
&42682	TaskManager_Shutdown	3-315

Squash SWIs

Number	SWI Name	Page
&42700	Squash_Compress	4-104, 5a-680
&42701	Squash-Decompress	4-106, 5a-680

DeviceFS SWIs

Number	SWI Name	Page
&42740	DeviceFS_Register	2-435
&42741	DeviceFS_Deregister	2-438
&42742	DeviceFS_RegisterObjects	2-439
&42743	DeviceFS_DeregisterObjects	2-440
&42744	DeviceFS_CallDevice	2-441
&42745	DeviceFS_Threshold	2-442
&42746	DeviceFS_ReceivedCharacter	2-443
&42747	DeviceFS_TransmitCharacter	2-444

Buffer Manager SWIs

Number	SWI Name	Page
&42940	Buffer_Create	4-88
&42941	Buffer_Remove	4-90
&42942	Buffer_Register	4-91
&42943	Buffer_Deregister	4-93
&42944	Buffer_ModifyFlags	4-94
&42945	Buffer_LinkDevice	4-96
&42946	Buffer_UnlinkDevice	4-98
&42947	Buffer_GetInfo	4-99

Number	SWI Name	Page
&42948	Buffer_Threshold	4-101
&42949	Buffer_InternalInfo	5a-228

BASICTrans SWIs

Number	SWI Name	Page
&42C80	BASICTrans_HELP	4-346
&42C81	BASICTrans_Error	4-347
&42C82	BASICTrans_Message	4-348

Parallel port driver SWIs

Number	SWI Name	Page
&42EC0	Parallel_HardwareAddress	2-489
&42EC1	Parallel_Op	2-490

Portable SWIs

Number	SWI Name	Page
&42FC0	Portable_Speed	4-208
&42FC1	Portable_Control	4-210
&42FC2	Portable_ReadBMUVariable	4-212
&42FC3	Portable_WriteBMUVariable	4-214
&42FC4	Portable_CommandBMU	4-215

Territory manager SWIs

Number	SWI Name	Page
&43040	Territory_Number	3-800
&43041	Territory_Register	3-801, 5a-589
&43042	Territory_Deregister	3-803
&43043	Territory_NumberToName	3-804
&43044	Territory_Exists	3-805
&43045	Territory_AlphabetNumberToName	3-806
&43046	Territory_SelectAlphabet	3-807
&43047	Territory_SetTime	3-808
&43048	Territory_ReadCurrentTimeZone	3-809
&43049	Territory_ConvertTimeToUTCOrdinals	3-810
&4304A	Territory_ReadTimeZones	3-814
&4304B	Territory_ConvertDateAndTime	3-815
&4304C	Territory_ConvertStandardDateAndTime	3-817
&4304D	Territory_ConvertStandardDate	3-819
&4304E	Territory_ConvertStandardTime	3-821

Number	SWI Name	Page
&4304F	Territory_ConvertTimeToOrdinals	3-823, 5a-590
&43050	Territory_ConvertTimeStringToOrdinals	3-825, 5a-590
&43051	Territory_ConvertOrdinalsToTime	3-827, 5a-590
&43052	Territory_Alphabet	3-829
&43053	Territory_AlphabetIdentifier	3-830
&43054	Territory_SelectKeyboardHandler	3-831, 5a-590
&43055	Territory_WriteDirection	3-832
&43056	Territory_CharacterPropertyTable	3-834
&43057	Territory_LowerCaseTable	3-836
&43058	Territory_UpperCaseTable	3-837
&43059	Territory_ControlTable	3-838
&4305A	Territory_PlainTable	3-839
&4305B	Territory_ValueTable	3-840
&4305C	Territory_RepresentationTable	3-841
&4305D	Territory_Collate	3-842
&4305E	Territory_ReadSymbols	3-844
&4305F	Territory_ReadCalendarInformation	3-847, 5a-590
&43060	Territory_NameToNumber	3-849
&43061	Territory_TransformString	3-849
&43075	Territory_ConvertTextToString	3-812

ScreenBlanker SWI

Number	SWI Name	Page
&43100	ScreenBlanker_Control	4-112

TaskWindow SWI

Number	SWI Name	Page
&43380	TaskWindow_TaskInfo	3-320

MakePSFont SWI

Number	SWI Name	Page
&43440	MakePSFont_MakeFont	3-742

Joystick SWI

Number	SWI Name	Page
&43F40	Joystick_Read	4-218, 5a-647
&43F41	Joystick_CalibrateTopRight	5a-651
&43F42	Joystick_CalibrateBottomLeft	5a-652

Free space display SWIs

Number	SWI Name	Page
&444C0	Free_Register	2-522, 5a-260, 5a-673
&444C1	Free_DeRegister	2-526

FSLock SWIs

Number	SWI Name	Page
&44780	FSLock_Version	5a-251
&44781	FSLock_Status	5a-252
&44782	FSLock_ChangeStatus	5a-253

DOSFS SWIs

Number	SWI Name	Page
&44B00	DOSFS_DiscFormat	2-335
&44B01	DOSFS_LayoutStructure	2-338

Toolbox SWIs

Number	SWI Name	Page
&44EC0	Toolbox_CreateObject	5a-657
&44EC1	Toolbox_DeleteObject	5a-657
&44EC2	Toolbox_CopyObject	5a-657
&44EC3	Toolbox_ShowObject	5a-657
&44EC4	Toolbox_HideObject	5a-657
&44EC5	Toolbox_GetObjectInfo	5a-657
&44EC6	Toolbox_ObjectMiscOp	5a-657
&44EC7	Toolbox_SetClientHandle	5a-657
&44EC8	Toolbox_GetClientHandle	5a-657
&44EC9	Toolbox_GetObjectClass	5a-657
&44ECA	Toolbox_GetParent	5a-657
&44ECB	Toolbox_GetAncestor	5a-657
&44ECC	Toolbox_GetTemplateName	5a-657
&44ECD	Toolbox_RaiseToolboxEvent	5a-657
&44ECE	Toolbox_GetSysInfo	5a-657
&44ECF	Toolbox_Initialise	5a-657
&44ED0	Toolbox_LoadResources	5a-657
&44EFB	Toolbox_TemplateLookUp	5a-657
&44EFC	Toolbox_GetInternalHandle	5a-657
&44EFD	Toolbox_RegisterPostFilter	5a-657

Number	SWI Name	Page
&44EFE	Toolbox_RegisterPreFilter	5a-657
&44EFF	Toolbox_RegisterObjectModule	5a-657

DrawFile SWIs

Number	SWI Name	Page
&45540	DrawFile_Render	5a-526
&45541	DrawFile_BBox	5a-528
&45542	DrawFile_DeclareFonts	5a-529

DMA SWIs

Number	SWI Name	Page
&46140	DMA_RegisterChannel	5a-88
&46141	DMA_DeregisterChannel	5a-90
&46142	DMA_QueueTransfer	5a-91
&46143	DMA_TerminateTransfer	5a-93
&46144	DMA_SuspendTransfer	5a-95
&46145	DMA_ResumeTransfer	5a-97
&46146	DMA_ExamineTransfer	5a-99

ColourPicker SWIs

Number	SWI Name	Page
&47700	ColourPicker_RegisterModel	5a-561
&47701	ColourPicker_DeregisterModel	5a-562
&47702	ColourPicker_OpenDialogue	5a-563
&47703	ColourPicker_CloseDialogue	5a-566
&47704	ColourPicker_UpdateDialogue	5a-567
&47705	ColourPicker_ReadDialogue	5a-569
&47706	ColourPicker_SetColour	5a-571
&47707	ColourPicker_HelpReply	5a-572
&47708	ColourPicker_ModelSWI	5a-574

Freeway SWIs

Number	SWI Name	Page
&47A80	Freeway_Register	5a-473
&47A81	Freeway_Write	5a-473
&47A82	Freeway_Read	5a-473
&47A83	Freeway_Enumerate	5a-473
&47A84	Freeway_Status	5a-473

ShareFS SWIs

Number	SWI Name	Page
&47AC0	ShareFS_CreateShare	5a-473
&47AC1	ShareFS_StopShare	5a-473
&47AC2	ShareFS_EnumerateShares	5a-473

RemotePrinterSupport SWIs

Number	SWI Name	Page
&47980	RemotePrinterSupport_ReadPollwordLocation	5a-473
&47981	RemotePrinterSupport_GetNextEvent	5a-473
&47982	RemotePrinterSupport_ReadUniqueAddress	5a-473
&47983	RemotePrinterSupport_Enable	5a-473
&47984	RemotePrinterSupport_Disable	5a-473
&47985	RemotePrinterSupport_EnableUpcalls	5a-473
&47986	RemotePrinterSupport_DisableUpcalls	5a-473

ScreenModes SWI

Number	SWI Name	Page
&487C0	ScreenModes_ReadInfo	5a-141

JPEG SWIs

Number	SWI Name	Page
&49980	JPEG_Info	5a-149
&49981	JPEG_FileInfo	5a-151
&49982	JPEG_PlotScaled	5a-153
&49983	JPEG_PlotFileScaled	5a-155
&49984	JPEG_PlotTransformed	5a-157
&49985	JPEG_PlotFileTransformed	5a-159
&49986	JPEG_PDDriverIntercept	5a-161

DragAnObject SWIs

Number	SWI Name	Page
&49C40	DragAnObject_Start	5a-516
&49C41	DragAnObject_Stop	5a-519

CompressJPEG SWIs

Number	SWI Name	Page
&4A500	CompressJPEG_Start	5a-619

Number	SWI Name	Page
&4A501	CompressJPEG_WriteLine	5a-621
&4A502	CompressJPEG_Finish	5a-622

Mbuf SWIs

Number	SWI Name	Page
&4A580	Mbuf_OpenSession	5a-287
&4A581	Mbuf_CloseSession	5a-287
&4A582	Mbuf_Memory	5a-287
&4A583	Mbuf_Statistic	5a-287
&4A584	Mbuf_Control	5a-287

ATAPI SWI

Number	SWI Name	Page
&4A740	ATAPI_GetDrives	5a-193

Application SWIs

PDriver (printer driver) SWIs

Number	SWI Name	Page
&80140	PDriver_Info	3-611, 5a-584
&80141	PDriver_SetInfo	3-615
&80142	PDriver_CheckFeatures	3-617
&80143	PDriver_PageSize	3-618
&80144	PDriver_SetPageSize	3-620
&80145	PDriver_SelectJob	3-622, 5a-678
&80146	PDriver_CurrentJob	3-624
&80147	PDriver_FontSWI	3-625
&80148	PDriver_EndJob	3-626
&80149	PDriver_AbortJob	3-628
&8014A	PDriver_Reset	3-630, 5a-678
&8014B	PDriver_GiveRectangle	3-632
&8014C	PDriver_DrawPage	3-635, 5a-584
&8014D	PDriver_GetRectangle	3-637, 5a-584
&8014E	PDriver_CancelJob	3-638
&8014F	PDriver_ScreenDump	3-639
&80150	PDriver_EnumerateJobs	3-640
&80151	PDriver_SetPrinter	3-641
&80152	PDriver_CancelJobWithError	3-642
&80153	PDriver_SelectIllustration	3-644, 5a-678

Number	SWI Name	Page
&80154	PDriver_InsertIllustration	3-646
&80155	PDriver_DeclareFont	3-648
&80156	PDriver_DeclareDriver	3-650
&80157	PDriver_RemoveDriver	3-652
&80158	PDriver_SelectDriver	3-653
&80159	PDriver_EnumerateDrivers	3-655, 5a-678
&8015A	PDriver_MiscOp	3-656, 5a-586
&8015B	PDriver_MiscOpForDriver	3-666
&8015C	PDriver_SetDriver	3-667
&8015D	PDriver_JPEGSWI	5a-587

SharedCLibrary SWIs

Number	SWI Name	Page
&80680	SharedCLibrary_LibInitAPCS_A	4-254
&80681	SharedCLibrary_LibInitAPCS_R	4-255
&80682	SharedCLibrary_LibInitModule	4-259

Window SWIs

Number	SWI Name	Page
&82880	Window_ClassSWI	5a-657
&82881	Window_PostFilter	5a-657
&82882	Window_PreFilter	5a-657
&82883	Window_GetPointerInfo	5a-657
&82884	Window_WimpToToolbox	5a-657
&82885	Window_RegisterExternal	5a-657
&82886	Window_DeregisterExternal	5a-657
&82887	Window_SupportExternal	5a-657

Menu SWIs

Number	SWI Name	Page
&828C0	Menu_ClassSWI	5a-657
&828C1	Menu_PostFilter	5a-657
&828C2	Menu_PreFilter	5a-657
&828C3	Menu_UpdateTree	5a-657

Iconbar SWIs

Number	SWI Name	Page
&82900	Iconbar_ClassSWI	5a-657

Number	SWI Name	Page
&82901	Iconbar_PostFilter	5a-657
&82902	Iconbar_PreFilter	5a-657

ColourMenu SWIs

Number	SWI Name	Page
&82980	ColourMenu_ClassSWI	5a-657
&82981	ColourMenu_PostFilter	5a-657
&82982	ColourMenu_PreFilter	5a-657

ColourDbox SWIs

Number	SWI Name	Page
&829C0	ColourDbox_ClassSWI	5a-657
&829C1	ColourDbox_PostFilter	5a-657
&829C2	ColourDbox_PreFilter	5a-657

FontDbox SWIs

Number	SWI Name	Page
&82A00	FontDbox_ClassSWI	5a-657
&82A01	FontDbox_PostFilter	5a-657
&82A02	FontDbox_PreFilter	5a-657

FontMenu SWIs

Number	SWI Name	Page
&82A40	FontMenu_ClassSWI	5a-657
&82A41	FontMenu_PostFilter	5a-657
&82A42	FontMenu_PreFilter	5a-657

DCS (Discard, Cancel, Save) SWIs

Number	SWI Name	Page
&82A80	DCS_ClassSWI	5a-657
&82A81	DCS_PostFilter	5a-657
&82A82	DCS_PreFilter	5a-657

FileInfo SWIs

Number	SWI Name	Page
&82AC0	FileInfo_ClassSWI	5a-657
&82AC1	FileInfo_PostFilter	5a-657
&82AC2	FileInfo_PreFilter	5a-657

PrintDbox SWIs

Number	SWI Name	Page
&82B00	PrintDbox_ClassSWI	5a-657
&82B01	PrintDbox_PostFilter	5a-657
&82B02	PrintDbox_PreFilter	5a-657

ProgInfo SWIs

Number	SWI Name	Page
&82B40	ProgInfo_ClassSWI	5a-657
&82B41	ProgInfo_PostFilter	5a-657
&82B42	ProgInfo_PreFilter	5a-657

SaveAs SWIs

Number	SWI Name	Page
&82BC0	SaveAs_ClassSWI	5a-657
&82BC1	SaveAs_PostFilter	5a-657
&82BC2	SaveAs_PreFilter	5a-657

Scale SWIs

Number	SWI Name	Page
&82C00	Scale_ClassSWI	5a-657
&82C01	Scale_PostFilter	5a-657
&82C02	Scale_PreFilter	5a-657

TinySupport SWIs

Number	SWI Name	Page
&82C40	TinySupport_Init	5a-657
&82C41	TinySupport_Die	5a-657
&82C42	TinySupport_Init2	5a-657
&82C43	TinySupport_Share	5a-657

Alphabetic index of SWIs

Index of SWIs

ADFS SWIs

SWI Name	Number	Page
ADFS_ControllerType	&40248	2-294
ADFS_DescribeDisc	&40245	2-290
ADFS_DiscOp	&40240	2-283, 5a-185
ADFS_Drives	&40242	2-286
ADFS_ECCSAndRetries	&40250	2-303
ADFS_FlpProcessDCB	&40247	2-293
ADFS_FreeSpace	&40243	2-287
ADFS_FreeSpace64	&40252	5a-189
ADFS_HDC	&40241	2-284
ADFS_IDEUserOp	&4024B	2-300
ADFS_LockIDE	&40251	5a-188
ADFS_MiscOp	&4024C	2-302
ADFS_PowerControl	&40249	2-296
ADFS_Retries	&40244	2-288
ADFS_SectorDiscOp	&4024D	5a-187
ADFS_SetIDEController	&4024A	2-298, 5a-672
ADFS_VetFormat	&40246	2-291

ATAPI SWI

SWI Name	Number	Page
ATAPI_GetDrives	&4A740	5a-193

BASICTrans SWIs

SWI Name	Number	Page
BASICTrans_Error	&42C81	4-347
BASICTrans_HELP	&42C80	4-346
BASICTrans_Message	&42C82	4-348

Buffer Manager SWIs

SWI Name	Number	Page
Buffer_Create	&42940	4-88
Buffer_Deregister	&42943	4-93
Buffer_GetInfo	&42947	4-99
Buffer_InternalInfo	&42949	5a-228
Buffer_LinkDevice	&42945	4-96
Buffer_ModifyFlags	&42944	4-94
Buffer_Register	&42942	4-91
Buffer_Remove	&42941	4-90
Buffer_Threshold	&42948	4-101
Buffer_UnlinkDevice	&42946	4-98

Cache SWIs (for ARM3)

SWI Name	Number	Page
Cache_Cacheable	&281	4-194, 5a-44
Cache_Control	&280	4-192, 5a-44
Cache_Disruptive	&283	4-198, 5a-44
Cache_Flush	&284	4-200, 5a-44
Cache_Updateable	&282	4-196, 5a-44

CD SWIs

SWI Name	Number	Page
CD_AudioControl	&4125D	5a-193
CD_AudioLevel	&4125F	5a-193
CD_AudioPause	&4124D	5a-193
CD_AudioStatus	&41254	5a-193
CD_ByteCopy	&41262	5a-193
CD_CheckDrive	&41250	5a-193
CD_CloseDrawer	&4125B	5a-193
CD_Control	&41257	5a-193
CD_ConvertToLBA	&41264	5a-193
CD_ConvertToMSF	&41265	5a-193
CD_DiscChanged	&41251	5a-193
CD_DiscHasChanged	&41256	5a-193
CD_DiscUsed	&41253	5a-193
CD_DriveReady	&41244	5a-193
CD_DriveStatus	&41243	5a-193
CD_EjectButton	&41248	5a-193
CD_EnquireAddress	&41249	5a-193
CD_EnquireDataMode	&4124A	5a-193

SWI Name	Number	Page
CD_EnquireTrack	&4124E	5a-193
CD_GetAudioParms	&41269	5a-193
CD_GetParameters	&41245	5a-193
CD_Identify	&41263	5a-193
CD_Inquiry	&41255	5a-193
CD_IsDrawerLocked	&4125C	5a-193
CD_LastError	&4125E	5a-193
CD_OpenDrawer	&41247	5a-193
CD_PlayAudio	&4124B	5a-193
CD_PlayTrack	&4124C	5a-193
CD_Prefetch	&41259	5a-193
CD_ReadAudio	&41266	5a-193
CD_ReadData	&41241	5a-193
CD_ReadSubChannel	&4124F	5a-193
CD_ReadUserData	&41267	5a-193
CD_Register	&41260	5a-193
CD_Reset	&4125A	5a-193
CD_SeekTo	&41242	5a-193
CD_SeekUserData	&41268	5a-193
CD_SetAudioParms	&4126A	5a-193
CD_SetParameters	&41246	5a-193
CD_StopDisc	&41252	5a-193
CD_Supported	&41258	5a-193
CD_Unregister	&41261	5a-193
CD_Version	&41240	5a-193

CDFS SWIs

SWI Name	Number	Page
CDFS_ConvertDriveToDevice	&41E80	5a-193
CDFS_DescribeDisc	&41E86	5a-193
CDFS_GetBufferSize	&41E82	5a-193
CDFS_GetNumberOfDrives	&41E84	5a-193
CDFS_GiveFileType	&41E85	5a-193
CDFS_SetBufferSize	&41E81	5a-193
CDFS_SetNumberOfDrives	&41E83	5a-193
CDFS_Truncation	&41E88	5a-193
CDFS_WhereIsFile	&41E87	5a-193

ColourDbox SWIs

SWI Name	Number	Page
ColourDbox_ClassSWI	&829C0	5a-657
ColourDbox_PostFilter	&829C1	5a-657
ColourDbox_PreFilter	&829C2	5a-657

ColourMenu SWIs

SWI Name	Number	Page
ColourMenu_ClassSWI	&82980	5a-657
ColourMenu_PostFilter	&82981	5a-657
ColourMenu_PreFilter	&82982	5a-657

ColourPicker SWIs

SWI Name	Number	Page
ColourPicker_CloseDialogue	&47703	5a-566
ColourPicker_DeregisterModel	&47701	5a-562
ColourPicker_HelpReply	&47707	5a-572
ColourPicker_ModelSWI	&47708	5a-574
ColourPicker_OpenDialogue	&47702	5a-563
ColourPicker_ReadDialogue	&47705	5a-569
ColourPicker_RegisterModel	&47700	5a-561
ColourPicker_SetColour	&47706	5a-571
ColourPicker_UpdateDialogue	&47704	5a-567

ColourTrans SWIs

SWI Name	Number	Page
ColourTrans_ColourNumberToGCOL	&4074D	3-367, 5a-121
ColourTrans_ConvertCIEToRGB	&40756	3-381
ColourTrans_ConvertCMYKToRGB	&4075B	3-391
ColourTrans_ConvertDeviceColour	&40753	3-376
ColourTrans_ConvertDevicePalette	&40754	3-377
ColourTrans_ConvertHSVToRGB	&40759	3-387
ColourTrans_ConvertRGBToCIE	&40755	3-379
ColourTrans_ConvertRGBToCMYK	&4075A	3-389
ColourTrans_ConvertRGBToHSV	&40758	3-385
ColourTrans_GCOLToColourNumber	&4074C	3-366, 5a-121
ColourTrans_GenerateTable	&40763	3-344, 5a-120, 5a-677
ColourTrans_InvalidateCache	&40750	3-372
ColourTrans_MiscOp	&4075F	3-399

SWI Name	Number	Page
ColourTrans_ReadCalibration	&40752	3-375
ColourTrans_ReadPalette	&4075C	3-393, 5a-121
ColourTrans_ReturnColourNumber	&40744	3-352
ColourTrans_ReturnColourNumberForMode	&40746	3-355
ColourTrans_ReturnFontColours	&4074E	3-368
ColourTrans_ReturnGCOL	&40742	3-348
ColourTrans_ReturnGCOLForMode	&40745	3-353
ColourTrans_ReturnOppColourNumber	&40749	3-361
ColourTrans_ReturnOppColourNumberForMode	&4074B	3-364
ColourTrans_ReturnOppGCOL	&40747	3-357
ColourTrans_ReturnOppGCOLForMode	&4074A	3-362
ColourTrans_SelectGCOLTable	&40741	3-346, 5a-121
ColourTrans_SelectTable	&40740	3-344, 5a-120, 5a-677
ColourTrans_SetCalibration	&40751	3-374
ColourTrans_SetColour	&4075E	3-397
ColourTrans_SetFontColours	&4074F	3-370
ColourTrans_SetGCOL	&40743	3-350
ColourTrans_SetOppGCOL	&40748	3-359
ColourTrans_SetOppTextColour	&40762	3-403
ColourTrans_SetTextColour	&40761	3-401
ColourTrans_WriteCalibrationToFile	&40757	3-383
ColourTrans_WriteLoadingsToFile	&40760	3-400
ColourTrans_WritePalette	&4075D	3-395, 5a-121

CompressJPEG SWIs

SWI Name	Number	Page
CompressJPEG_Finish	&4A502	5a-622
CompressJPEG_Start	&4A500	5a-619
CompressJPEG_WriteLine	&4A501	5a-621

DCS (Discard, Cancel, Save) SWIs

SWI Name	Number	Page
DCS_ClassSWI	&82A80	5a-657
DCS_PostFilter	&82A81	5a-657
DCS_PreFilter	&82A82	5a-657

Debugger SWI

SWI Name	Number	Page
Debugger_Disassemble	&40380	4-225

DeviceFS SWIs

SWI Name	Number	Page
DeviceFS_CallDevice	&42744	2-441
DeviceFS_Deregister	&42741	2-438
DeviceFS_DeregisterObjects	&42743	2-440
DeviceFS_ReceivedCharacter	&42746	2-443
DeviceFS_Register	&42740	2-435
DeviceFS_RegisterObjects	&42742	2-439
DeviceFS_Threshold	&42745	2-442
DeviceFS_TransmitCharacter	&42747	2-444

DMA SWIs

SWI Name	Number	Page
DMA_DeregisterChannel	&46141	5a-90
DMA_ExamineTransfer	&46146	5a-99
DMA_QueueTransfer	&46142	5a-91
DMA_RegisterChannel	&46140	5a-88
DMA_ResumeTransfer	&46145	5a-97
DMA_SuspendTransfer	&46144	5a-95
DMA_TerminateTransfer	&46143	5a-93

DOSFS SWIs

SWI Name	Number	Page
DOSFS_DiscFormat	&44B00	2-335
DOSFS_LayoutStructure	&44B01	2-338

DragAnObject SWIs

SWI Name	Number	Page
DragAnObject_Start	&49C40	5a-516
DragAnObject_Stop	&49C41	5a-519

DragASprite SWIs

SWI Name	Number	Page
DragASprite_Start	&42400	3-298, 5a-496
DragASprite_Stop	&42401	3-300

Draw SWIs

SWI Name	Number	Page
Draw_Fill	&40702	3-548
Draw_FillFP	&40703	3-537
Draw_FlattenPath	&40708	3-554
Draw_FlattenPathFP	&40709	3-537
Draw_ProcessPath	&40700	3-545
Draw_ProcessPathFP	&40701	3-537
Draw_Stroke	&40704	3-550
Draw_StrokeFP	&40705	3-537
Draw_StrokePath	&40706	3-552
Draw_StrokePathFP	&40707	3-537
Draw_TransformPath	&4070A	3-556
Draw_TransformPathFP	&4070B	3-537

DrawFile SWIs

SWI Name	Number	Page
DrawFile_BBox	&45541	5a-528
DrawFile_DeclareFonts	&45542	5a-529
DrawFile_Render	&45540	5a-526

Econet SWIs

SWI Name	Number	Page
Econet_AbandonAndReadReceive	&40018	2-695
Econet_AbandonReceive	&40003	2-663
Econet_AbandonTransmit	&40008	2-671
Econet_AllocatePort	&40013	2-688, 5a-270
Econet_ClaimPort	&40015	2-690
Econet_ConvertStatusToError	&4000C	2-677
Econet_ConvertStatusToString	&4000B	2-675
Econet_CreateReceive	&40000	2-657
Econet_DeAllocatePort	&40014	2-689
Econet_DoImmediate	&40017	2-693
Econet_DoTransmit	&40009	2-672
Econet_EnumerateMap	&4001E	5a-272
Econet_EnumerateReceive	&40005	2-666
Econet_EnumerateTransmit	&4001F	5a-274
Econet_ExamineReceive	&40001	2-659
Econet_HardwareAddresses	&40020	5a-276
Econet_InetRxDirect	&4001D	5a-271
Econet_NetworkParameters	&40021	5a-277

SWI Name	Number	Page
Econet_NetworkState	&4001A	2-698
Econet_PacketSize	&4001B	2-700
Econet_PollTransmit	&40007	2-669
Econet_PrintBanner	&40010	2-684
Econet_ReadLocalStationAndNet	&4000A	2-674
Econet_ReadProtection	&4000D	2-679
Econet_ReadReceive	&40002	2-661
Econet_ReadStationNumber	&4000F	2-683
Econet_ReadTransportName	&4001C	2-702
Econet_ReadTransportType	&40011	2-685
Econet_ReleasePort	&40012	2-687
Econet_SetProtection	&4000E	2-681
Econet_StartImmediate	&40016	2-691
Econet_StartTransmit	&40006	2-667
Econet_Version	&40019	2-697
Econet_WaitForReception	&40004	2-664

FileCore SWIs

SWI Name	Number	Page
FileCore_Create	&40541	2-228, 5a-174
FileCore_DescribeDisc	&40545	2-234
FileCore_DiscardReadSectorsCache	&40546	2-235
FileCore_DiscFormat	&40547	2-236
FileCore_DiscOp	&40540	2-223, 5a-174
FileCore_Drives	&40542	2-230
FileCore_FloppyStructure	&40544	2-232
FileCore_FreeSpace	&40543	2-231, 5a-175
FileCore_FreeSpace64	&4054B	5a-183
FileCore_LayoutStructure	&40548	2-239
FileCore_MiscOp	&40549	2-240, 5a-176, 5a-671
FileCore_SectorOp	&4054A	5a-178

FileInfo SWIs

SWI Name	Number	Page
FileInfo_ClassSWI	&82AC0	5a-657
FileInfo_PostFilter	&82AC1	5a-657
FileInfo_PreFilter	&82AC2	5a-657

Filer_Action SWIs

SWI Name	Number	Page
FilerAction_SendSelectedDirectory	&40F80	2-514
FilerAction_SendSelectedFile	&40F81	2-515
FilerAction_SendStartOperation	&40F82	2-517

Filter manager SWIs

SWI Name	Number	Page
Filter_DeRegisterPostFilter	&42643	3-309
Filter_DeRegisterPreFilter	&42642	3-308
Filter_RegisterPostFilter	&42641	3-306, 5a-676
Filter_RegisterPreFilter	&42640	3-304

Font manager SWIs

SWI Name	Number	Page
Font_ApplyFields	&400A7	3-504
Font_CacheAddr	&40080	3-426
Font_Caret	&40087	3-444
Font_CharBBox	&4008E	3-454
Font_ConverttoOS	&40088	3-446
Font_Converttopoints	&40089	3-447
Font_CurrentFont	&4008B	3-449
Font_CurrentRGB	&400A3	3-497
Font_DecodeMenu	&400A0	3-490
Font_FindCaret	&4008D	3-452
Font_FindCaretJ	&40096	3-469
Font_FindField	&400A6	3-503
Font_FindFont	&40081	3-428
Font_FutureFont	&4008C	3-451
Font_FutureRGB	&400A4	3-499
Font_ListFonts	&40091	3-458
Font_LookupFont	&400A8	3-506
Font_LoseFont	&40082	3-431
Font_MakeBitmap	&40099	3-474
Font_Paint	&40086	3-437
Font_ReadColourTable	&40098	3-473
Font_ReadDefn	&40083	3-432
Font_ReadEncodingFilename	&400A5	3-501
Font_ReadFontMax	&4009C	3-480
Font_ReadFontMetrics	&4009F	3-486
Font_ReadFontPrefix	&4009D	3-481

SWI Name	Number	Page
Font_ReadInfo	&40084	3-434
Font_ReadScaleFactor	&4008F	3-456
Font_ReadThresholds	&40094	3-465
Font_ScanString	&400A1	3-492
Font_SetColourTable	&400A2	3-496
Font_SetFont	&4008A	3-448
Font_SetFontColours	&40092	3-461
Font_SetFontMax	&4009B	3-478
Font_SetPalette	&40093	3-463
Font_SetScaleFactor	&40090	3-457
Font_SetThresholds	&40095	3-468
Font_StringBBox	&40097	3-471
Font_StringWidth	&40085	3-435
Font_SwitchOutputToBuffer	&4009E	3-483
Font_UnCacheFile	&4009A	3-476

FontDbox SWIs

SWI Name	Number	Page
FontDbox_ClassSWI	&82A00	5a-657
FontDbox_PostFilter	&82A01	5a-657
FontDbox_PreFilter	&82A02	5a-657

FontMenu SWIs

SWI Name	Number	Page
FontMenu_ClassSWI	&82A40	5a-657
FontMenu_PostFilter	&82A41	5a-657
FontMenu_PreFilter	&82A42	5a-657

FPEmulator SWI

SWI Name	Number	Page
FPEmulator_Version	&40480	4-190

Free space display SWIs

SWI Name	Number	Page
Free_DeRegister	&444C1	2-526
Free_Register	&444C0	2-522, 5a-260, 5a-673

Freeway SWIs

SWI Name	Number	Page
Freeway_Enumerate	&47A83	5a-473
Freeway_Read	&47A82	5a-473
Freeway_Register	&47A80	5a-473
Freeway_Status	&47A84	5a-473
Freeway_Write	&47A81	5a-473

FSLock SWIs

SWI Name	Number	Page
FSLock_ChangeStatus	&44782	5a-253
FSLock_Status	&44781	5a-252
FSLock_Version	&44780	5a-251

Hourglass SWIs

SWI Name	Number	Page
Hourglass_Colours	&406C6	2-755
Hourglass_LEDs	&406C5	2-754
Hourglass_Off	&406C1	2-748
Hourglass_On	&406C0	2-746
Hourglass_Percentage	&406C4	2-752
Hourglass_Smash	&406C2	2-750
Hourglass_Start	&406C3	2-751

Iconbar SWIs

SWI Name	Number	Page
Iconbar_ClassSWI	&82900	5a-657
Iconbar_PostFilter	&82901	5a-657
Iconbar_PreFilter	&82902	5a-657

IIC SWI

SWI Name	Number	Page
IIC_Control	&240	1-977, 5a-670

JPEG SWIs

SWI Name	Number	Page
JPEG_FileInfo	&49981	5a-151
JPEG_Info	&49980	5a-149
JPEG_PDriverIntercept	&49986	5a-161

SWI Name	Number	Page
JPEG_PlotFileScaled	&49983	5a-155
JPEG_PlotFileTransformed	&49985	5a-159
JPEG_PlotScaled	&49982	5a-153
JPEG_PlotTransformed	&49984	5a-157

Joystick SWI

SWI Name	Number	Page
Joystick_CalibrateBottomLeft	&43F42	5a-652
Joystick_CalibrateTopRight	&43F41	5a-651
Joystick_Read	&43F40	4-218, 5a-647

MakePSFont SWI

SWI Name	Number	Page
MakePSFont_MakeFont	&43440	3-742

Mbuf SWIs

SWI Name	Number	Page
Mbuf_CloseSession	&4A581	5a-287
Mbuf_Control	&4A584	5a-287
Mbuf_Memory	&4A582	5a-287
Mbuf_OpenSession	&4A580	5a-287
Mbuf_Statistic	&4A583	5a-287

Menu SWIs

SWI Name	Number	Page
Menu_ClassSWI	&828C0	5a-657
Menu_PostFilter	&828C1	5a-657
Menu_PreFilter	&828C2	5a-657
Menu_UpdateTree	&828C3	5a-657

MessageTrans SWIs

SWI Name	Number	Page
MessageTrans_CloseFile	&41504	3-759
MessageTrans_CopyError	&41508	3-766
MessageTrans_Dictionary	&41509	5a-591
MessageTrans_EnumerateTokens	&41505	3-760
MessageTrans_ErrorLookup	&41506	3-762
MessageTrans_FileInfo	&41500	3-750
MessageTrans_GSLookup	&41507	3-764

SWI Name	Number	Page
MessageTrans_Lookup	&41502	3-754
MessageTrans_MakeMenus	&41503	3-756
MessageTrans_OpenFile	&41501	3-752

NetFS SWIs

SWI Name	Number	Page
NetFS_ConvertDate	&4004B	2-364
NetFS_DoFSOp	&40048	2-358
NetFS_DoFSOpToGivenFS	&4004C	2-366
NetFS_EnableCache	&40051	2-375
NetFS_EnumerateFS	&4004A	2-362
NetFS_EnumerateFSContexts	&4004E	2-370
NetFS_EnumerateFSList	&40049	2-360
NetFS_GetObjectUID	&40050	2-373
NetFS_ReadCurrentContext	&40044	2-354
NetFS_ReadFSName	&40042	2-352
NetFS_ReadFSNumber	&40040	2-350
NetFS_ReadFSTimeouts	&40046	2-356
NetFS_ReadUserId	&4004F	2-372
NetFS_SetCurrentContext	&40045	2-355
NetFS_SetFSName	&40043	2-353
NetFS_SetFSNumber	&40041	2-351
NetFS_SetFSTimeouts	&40047	2-357
NetFS_UpdateFSList	&4004D	2-368

NetPrint SWIs

SWI Name	Number	Page
NetPrint_BindPSName	&40206	2-404
NetPrint_ConvertStatusToString	&40208	2-407
NetPrint_ListServers	&40207	2-405
NetPrint_ReadPSName	&40202	2-399
NetPrint_ReadPSNumber	&40200	2-397
NetPrint_ReadPSTimeouts	&40204	2-402
NetPrint_SetPSName	&40203	2-401
NetPrint_SetPSNumber	&40201	2-398
NetPrint_SetPSTimeouts	&40205	2-403

OS SWIs (Kernel and FileSwitch)

SWI Name	Number	Page
OS_AddCallBack	&54	1-324
OS_AddToVector	&47	1-72
OS_Args	&09	2-49
OS_BGet	&0A	2-63
OS_BinaryToDecimal	&28	1-468
OS_BPut	&0B	2-65
OS_BreakCtrl	&18	1-310
OS_BreakPt	&17	1-309
OS_Byte	&06	1-54, Index-13
OS_CallAfter	&3B	1-441
OS_CallAVector	&34	1-70
OS_CallBack	&15	1-307
OS_CallEvery	&3C	1-443
OS_ChangedBox	&5A	1-752
OS_ChangeDynamicArea	&2A	1-384, 5a-43
OS_ChangeEnvironment	&40	1-320
OS_ChangeRedirection	&5E	1-963
OS_CheckModeValid	&3F	1-742, 5a-116, 5a-669
OS_Claim	&1F	1-66
OS_ClaimDeviceVector	&4B	1-123
OS_ClaimProcessorVector	&69	5a-30
OS_ClaimScreenMemory	&41	1-388
OS_CLI	&05	1-961
OS_Confirm	&59	1-973
OS_Control	&0F	1-299
OS_ConvertBinary1	&DD	1-482
OS_ConvertBinary2	&DE	1-482
OS_ConvertBinary3	&DF	1-482
OS_ConvertBinary4	&E0	1-482
OS_ConvertCardinal1	&D5	1-482
OS_ConvertCardinal2	&D6	1-482
OS_ConvertCardinal3	&D7	1-482
OS_ConvertCardinal4	&D8	1-482
OS_ConvertDateAndTime	&C1	1-449
OS_ConvertFileSize	&EC	1-492
OS_ConvertFixedFileSize	&EB	1-490
OS_ConvertFixedNetStation	&E9	1-486
OS_ConvertHex1	&D0	1-482
OS_ConvertHex2	&D1	1-482

SWI Name	Number	Page
OS_ConvertHex4	&D2	1-482
OS_ConvertHex6	&D3	1-482
OS_ConvertHex8	&D4	1-482
OS_ConvertInteger1	&D9	1-482
OS_ConvertInteger2	&DA	1-482
OS_ConvertInteger3	&DB	1-482
OS_ConvertInteger4	&DC	1-482
OS_ConvertNetStation	&EA	1-488
OS_ConvertSpacedCardinal1	&E1	1-482
OS_ConvertSpacedCardinal2	&E2	1-482
OS_ConvertSpacedCardinal3	&E3	1-482
OS_ConvertSpacedCardinal4	&E4	1-482
OS_ConvertSpacedInteger1	&E5	1-482
OS_ConvertSpacedInteger2	&E6	1-482
OS_ConvertSpacedInteger3	&E7	1-482
OS_ConvertSpacedInteger4	&E8	1-482
OS_ConvertStandardDateAndTime	&C0	1-447
OS_CRC	&5B	1-975
OS_DelinkApplication	&4D	1-74
OS_DynamicArea	&66	5a-53
OS_EnterOS	&16	1-141
OS_EvaluateExpression	&2D	1-470
OS_Exit	&11	1-303
OS_ExitAndDie	&50	1-323
OS_File	&08	2-32
OS_Find	&0D	2-75
OS_FindMemMapEntries	&60	1-398
OS_FSCControl	&29	2-80, 5a-168, 5a-671
OS_GBPB	&0C	2-66
OS_GenerateError	&2B	1-45
OS_GenerateEvent	&22	1-154
OS_GetEnv	&10	1-301
OS_GSInit	&25	1-462
OS_GSRead	&26	1-464
OS_GSTrans	&27	1-466
OS_Heap	&1D	1-375, 5a-44
OS_HeapSort	&4F	1-970, 5a-670
OS_InstallKeyHandler	&3E	1-945
OS_IntOff	&14	1-140
OS_IntOn	&13	1-139
OS_Memory	&68	5a-62

SWI Name	Number	Page
OS_MMUControl	&6B	5a-71
OS_Module	&1E	1-228, 5a-668
OS_Mouse	&1C	1-726
OS_NewLine	&03	1-519
OS_Plot	&45	1-744, 5a-116
OS_Pointer	&64	5a-244
OS_PrettyPrint	&44	1-536
OS_PrintChar	&5D	1-539
OS_ReadArgs	&49	1-478
OS_ReadC	&04	1-880
OS_ReadDefaultHandler	&55	1-326
OS_ReadDynamicArea	&5C	1-396, 5a-43
OS_ReadEscapeState	&2C	1-943
OS_ReadLine	&0E	1-941
OS_ReadMemMapEntries	&52	1-392
OS_ReadMemMapInfo	&51	1-391
OS_ReadModeVariable	&35	1-736, 5a-115
OS_ReadMonotonicTime	&42	1-446
OS_ReadPalette	&2F	1-728
OS_ReadPoint	&32	1-734
OS_ReadRAMFsLimits	&4A	1-390
OS_ReadSysInfo	&58	1-746, 5a-222
OS_ReadUnsigned	&21	1-460
OS_ReadVarVal	&23	1-314, 5a-669
OS_ReadVduVariables	&31	1-730
OS_Release	&20	1-68
OS_ReleaseDeviceVector	&4C	1-125
OS_RelinkApplication	&4E	1-76
OS_RemoveCallBack	&5F	1-327
OS_RemoveCursors	&36	1-739
OS_RemoveTickerEvent	&3D	1-445, 5a-669
OS_Reset	&6A	5a-164
OS_RestoreCursors	&37	1-741
OS_ScreenMode	&65	5a-133
OS_SerialOp	&57	2-468, 5a-224, 5a-690
OS_ServiceCall	&30	1-254, 5a-35
OS_SetCallBack	&1B	1-313
OS_SetColour	&61	1-754, 5a-116
OS_SetECFOrgin	&56	1-745
OS_SetEnv	&12	1-305
OS_SetMemMapEntries	&53	1-394, 5a-43

SWI Name	Number	Page
OS_SetVarVal	&24	1-316
OS_SpriteOp	&2E	1-788, 5a-117, 5a-131, 5a-670
OS_SubstituteArgs	&43	1-476
OS_SWINumberFromString	&39	1-474
OS_SWINumberToString	&38	1-472
OS_UnusedSWI	&19	1-312
OS_UpCall	&33	1-181
OS_UpdateMEMC	&1A	1-373
OS_ValidateAddress	&3A	1-386
OS_Word	&07	1-61, Index-17
OS_Write0	&02	1-518
OS_WriteC	&00	1-515
OS_WriteEnv	&48	1-322
OS_WriteI	&100-1FF	1-541
OS_WriteN	&46	1-540
OS_WriteS	&01	1-517

Parallel port driver SWIs

SWI Name	Number	Page
Parallel_HardwareAddress	&42EC0	2-489
Parallel_Op	&42EC1	2-490

PDriver (printer driver) SWIs

SWI Name	Number	Page
PDriver_AbortJob	&80149	3-628
PDriver_CancelJob	&8014E	3-638
PDriver_CancelJobWithError	&80152	3-642
PDriver_CheckFeatures	&80142	3-617
PDriver_CurrentJob	&80146	3-624
PDriver_DeclareDriver	&80156	3-650
PDriver_DeclareFont	&80155	3-648
PDriver_DrawPage	&8014C	3-635, 5a-584
PDriver_EndJob	&80148	3-626
PDriver_EnumerateDrivers	&80159	3-655, 5a-678
PDriver_EnumerateJobs	&80150	3-640
PDriver_FontSWI	&80147	3-625
PDriver_GetRectangle	&8014D	3-637, 5a-584
PDriver_GiveRectangle	&8014B	3-632
PDriver_Info	&80140	3-611, 5a-584
PDriver_InsertIllustration	&80154	3-646

PDumper (printer dumper) SWIs

SWI Name	Number	Page
PDriver_JPEGSWI	&8015D	5a-587
PDriver_MiscOp	&8015A	3-656, 5a-586
PDriver_MiscOpForDriver	&8015B	3-666
PDriver_PageSize	&80143	3-618
PDriver_RemoveDriver	&80157	3-652
PDriver_Reset	&8014A	3-630, 5a-678
PDriver_ScreenDump	&8014F	3-639
PDriver_SelectDriver	&80158	3-653
PDriver_SelectIllustration	&80153	3-644, 5a-678
PDriver_SelectJob	&80145	3-622, 5a-678
PDriver_SetDriver	&8015C	3-667
PDriver_SetInfo	&80141	3-615
PDriver_SetPageSize	&80144	3-620
PDriver_SetPrinter	&80151	3-641

PDumper (printer dumper) SWIs

SWI Name	Number	Page
PDumper_Claim	&41B01	3-692
PDumper_CopyFilename	&41B09	3-706
PDumper_Find	&41B03	3-695
PDumper_Free	&41B02	3-694
PDumper_Info	&41B00	3-690
PDumper_LookupError	&41B08	3-704
PDumper_PrepareStrip	&41B07	3-702
PDumper_SetColour	&41B06	3-700
PDumper_StartJob	&41B04	3-696
PDumper_TidyJob	&41B05	3-698

Podule (expansion card) SWIs

SWI Name	Number	Page
Podule_CallLoader	&40286	4-149, 5a-627
Podule_EnumerateChunks	&40282	4-142
Podule_EnumerateChunksWithInfo	&4028A	4-157
Podule_HardwareAddress	&40289	4-155, 5a-627
Podule_HardwareAddresses	&4028B	4-159, 5a-627
Podule_RawRead	&40287	4-151, 5a-627
Podule_RawWrite	&40288	4-153, 5a-627
Podule_ReadBytes	&40284	4-145, 5a-627
Podule_ReadChunk	&40283	4-144
Podule_ReadHeader	&40281	4-140
Podule_ReadID	&40280	4-139

SWI Name	Number	Page
Podule_ReadInfo	&4028D	5a-631
Podule_ReturnNumber	&4028C	4-161
Podule_SetSpeed	&4028E	5a-634
Podule_WriteBytes	&40285	4-147, 5a-627

Portable SWIs

SWI Name	Number	Page
Portable_CommandBMU	&42FC4	4-215
Portable_Control	&42FC1	4-210
Portable_ReadBMUVariable	&42FC2	4-212
Portable_Speed	&42FC0	4-208
Portable_WriteBMUVariable	&42FC3	4-214

PrintDbox SWIs

SWI Name	Number	Page
PrintDbox_ClassSWI	&82B00	5a-657
PrintDbox_PostFilter	&82B01	5a-657
PrintDbox_PreFilter	&82B02	5a-657

ProgInfo SWIs

SWI Name	Number	Page
ProgInfo_ClassSWI	&82B40	5a-657
ProgInfo_PostFilter	&82B41	5a-657
ProgInfo_PreFilter	&82B42	5a-657

RamFS SWIs

SWI Name	Number	Page
RamFS_DescribeDisc	&40785	2-320
RamFS_DiscOp	&40780	2-317
RamFS_Drives	&40782	2-318
RamFS_FreeSpace	&40783	2-319

RemotePrinterSupport SWIs

SWI Name	Number	Page
RemotePrinterSupport_Disable	&47984	5a-473
RemotePrinterSupport_DisableUpcalls	&47986	5a-473
RemotePrinterSupport_Enable	&47983	5a-473
RemotePrinterSupport_EnableUpcalls	&47985	5a-473
RemotePrinterSupport_GetNextEvent	&47981	5a-473

SWI Name	Number	Page
RemotePrinterSupport_ReadPollwordLocation	&47980	5a-473
RemotePrinterSupport_ReadUniqueAddress	&47982	5a-473

ResourceFS SWIs

SWI Name	Number	Page
ResourceFS_DeregisterFiles	&41B41	2-423
ResourceFS_RegisterFiles	&41B40	2-422

SaveAs SWIs

SWI Name	Number	Page
SaveAs_ClassSWI	&82BC0	5a-657
SaveAs_PostFilter	&82BC1	5a-657
SaveAs_PreFilter	&82BC2	5a-657

Scale SWIs

SWI Name	Number	Page
Scale_ClassSWI	&82C00	5a-657
Scale_PostFilter	&82C01	5a-657
Scale_PreFilter	&82C02	5a-657

ScreenBlanker SWI

SWI Name	Number	Page
ScreenBlanker_Control	&43100	4-112

ScreenModes SWI

SWI Name	Number	Page
ScreenModes_ReadInfo	&487C0	5a-141

SharedCLibrary SWIs

SWI Name	Number	Page
SharedCLibrary_LibInitAPCS_A	&80680	4-254
SharedCLibrary_LibInitAPCS_R	&80681	4-255
SharedCLibrary_LibInitModule	&80682	4-259

ShareFS SWIs

SWI Name	Number	Page
ShareFS_CreateShare	&47AC0	5a-473
ShareFS_EnumerateShares	&47AC2	5a-473
ShareFS_StopShare	&47AC1	5a-473

Shell (ShellCLI) SWIs

SWI Name	Number	Page
Shell_Create	&405C0	3-328
Shell_Destroy	&405C1	3-329

Socket (Internet) SWIs

SWI name	Number	Page
Socket_Accept	&41203	5a-468
Socket_Bind	&41201	5a-468
Socket_Close	&41210	5a-468
Socket_Connect	&41204	5a-468
Socket_Creat	&41200	5a-468
Socket_Getpeername	&4120E	5a-468
Socket_Getsockname	&4120F	5a-468
Socket_Getsockopt	&4120D	5a-468
Socket_Getsize	&41218	5a-468
Socket_Ioctl	&41212	5a-468
Socket_Listen	&41202	5a-468
Socket_Read	&41213	5a-468
Socket_Readv	&41216	5a-468
Socket_Recv	&41205	5a-468
Socket_Recvfrom	&41206	5a-468
Socket_Recvmsg	&41207	5a-468
Socket_Select	&41211	5a-468
Socket_Send	&41208	5a-468
Socket_Sendmsg	&4120A	5a-468
Socket_Sendto	&41209	5a-468
Socket_Sendtoism	&41219	5a-468
Socket_Setsockopt	&4120C	5a-468
Socket_Shutdown	&4120B	5a-468
Socket_Stat	&41215	5a-468
Socket_Write	&41214	5a-468
Socket_Writev	&41217	5a-468

Sound SWIs

SWI Name	Number	Page
Sound_AttachNamedVoice	&4018A	4-43
Sound_AttachVoice	&40185	4-37
Sound_Configure	&40140	4-18, 5a-598
Sound_Control	&40189	4-41
Sound_ControlPacked	&40186	4-38
Sound_Enable	&40141	4-20
Sound_InstallVoice	&40183	4-29
Sound_LinearHandler	&40145	5a-605
Sound_LogScale	&40182	4-28
Sound_Mode	&40144	5a-601
Sound_Pitch	&40188	4-40
Sound_QBeat	&401C6	4-54
Sound_QFree	&401C3	4-51
Sound_QInit	&401C0	4-47
Sound_QInterface	&401C7	4-56
Sound_QRemove	&401C2	4-50
Sound_QSchedule	&401C1	4-48
Sound_QSDispatch	&401C4	4-52
Sound_QTempo	&401C5	4-53
Sound_ReadControlBlock	&4018B	4-44
Sound_RemoveVoice	&40184	4-35
Sound_SampleRate	&40146	5a-609
Sound_SoundLog	&40181	4-27
Sound_Speaker	&40143	4-24, 5a-679
Sound_Stereo	&40142	4-22
Sound_Tuning	&40187	4-39
Sound_Volume	&40180	4-26
Sound_WriteControlBlock	&4018C	4-45

Squash SWIs

SWI Name	Number	Page
Squash_Compress	&42700	4-104, 5a-680
Squash-Decompress	&42701	4-106, 5a-680

SuperSample SWIs

SWI Name	Number	Page
Super_Sample90	&40D80	3-530
Super_Sample45	&40D81	3-531

TaskManager SWIs

SWI Name	Number	Page
TaskManager_EnumerateTasks	&42681	3-313
TaskManager_Shutdown	&42682	3-315
TaskManager_TaskNameFromHandle	&42680	3-312

TaskWindow SWI

SWI Name	Number	Page
TaskWindow_TaskInfo	&43380	3-320

Territory manager SWIs

SWI Name	Number	Page
Territory_Alphabet	&43052	3-829
Territory_AlphabetIdentifier	&43053	3-830
Territory_AlphabetNumberToName	&43045	3-806
Territory_CharacterPropertyTable	&43056	3-834
Territory_Collate	&4305D	3-842
Territory_ControlTable	&43059	3-838
Territory_ConvertDateAndTime	&4304B	3-815
Territory_ConvertOrdinalsToTime	&43051	3-827, 5a-590
Territory_ConvertStandardDate	&4304D	3-819
Territory_ConvertStandardDateAndTime	&4304C	3-817
Territory_ConvertStandardTime	&4304E	3-821
Territory_ConvertTextToString	&43075	3-812
Territory_ConvertTimeStringToOrdinals	&43050	3-825, 5a-590
Territory_ConvertTimeToOrdinals	&4304F	3-823, 5a-590
Territory_ConvertTimeToUTCOrdinals	&43049	3-810
Territory_Deregister	&43042	3-803
Territory_Exists	&43044	3-805
Territory_LowerCaseTable	&43057	3-836
Territory_NameToNumber	&43060	3-849
Territory_Number	&43040	3-800
Territory_NumberToName	&43043	3-804
Territory_PlainTable	&4305A	3-839
Territory_ReadCalendarInformation	&4305F	3-847, 5a-590
Territory_ReadCurrentTimeZone	&43048	3-809
Territory_ReadSymbols	&4305E	3-844
Territory_ReadTimeZones	&4304A	3-814
Territory_Register	&43041	3-801, 5a-589
Territory_RepresentationTable	&4305C	3-841
Territory_SelectAlphabet	&43046	3-807

SWI Name	Number	Page
Territory_SelectKeyboardHandler	&43054	3-831, 5a-590
Territory_SetTime	&43047	3-808
Territory_TransformString	&43061	3-849
Territory_UpperCaseTable	&43058	3-837
Territory_ValueTable	&4305B	3-840
Territory_WriteDirection	&43055	3-832

TinySupport SWIs

SWI Name	Number	Page
TinySupport_Die	&82C41	5a-657
TinySupport_Init	&82C40	5a-657
TinySupport_Init2	&82C42	5a-657
TinySupport_Share	&82C43	5a-657

Toolbox SWIs

SWI Name	Number	Page
Toolbox_CopyObject	&44EC2	5a-657
Toolbox_CreateObject	&44EC0	5a-657
Toolbox_DeleteObject	&44EC1	5a-657
Toolbox_GetAncestor	&44ECB	5a-657
Toolbox_GetClientHandle	&44EC8	5a-657
Toolbox_GetInternalHandle	&44EFC	5a-657
Toolbox_GetObjectClass	&44EC9	5a-657
Toolbox_GetObjectInfo	&44EC5	5a-657
Toolbox_GetParent	&44ECA	5a-657
Toolbox_GetSysInfo	&44ECE	5a-657
Toolbox_GetTemplateName	&44ECC	5a-657
Toolbox_HideObject	&44EC4	5a-657
Toolbox_Initialise	&44ECF	5a-657
Toolbox_LoadResources	&44ED0	5a-657
Toolbox_ObjectMiscOp	&44EC6	5a-657
Toolbox_RaiseToolboxEvent	&44ECD	5a-657
Toolbox_RegisterObjectModule	&44EFF	5a-657
Toolbox_RegisterPostFilter	&44EFD	5a-657
Toolbox_RegisterPreFilter	&44EFE	5a-657
Toolbox_SetClientHandle	&44EC7	5a-657
Toolbox_ShowObject	&44EC3	5a-657
Toolbox_TemplateLookUp	&44EFB	5a-657

Wimp (window manager) SWIs

SWI Name	Number	Page
Wimp_AddMessages	&400F6	3-224
Wimp_BaseOfSprites	&400EA	3-200
Wimp_BlockCopy	&400EB	3-201
Wimp_ClaimFreeMemory	&400EE	3-208, 5a-44
Wimp_CloseDown	&400DD	3-172
Wimp_CloseTemplate	&400DA	3-166
Wimp_CloseWindow	&400C6	3-111
Wimp_CommandWindow	&400EF	3-210
Wimp_CreateIcon	&400C2	3-93, 5a-495, 5a-675
Wimp_CreateMenu	&400D4	3-153, 5a-495
Wimp_CreateSubMenu	&400E8	3-196
Wimp_CreateWindow	&400C1	3-87, 5a-494
Wimp_DecodeMenu	&400D5	3-158, 5a-675
Wimp_DeleteIcon	&400C4	3-107
Wimp_DeleteWindow	&400C3	3-105
Wimp_DragBox	&400D0	3-142
Wimp_Extend	&400FB	5a-508
Wimp_ForceRedraw	&400D1	3-147
Wimp_GetCaretPosition	&400D3	3-151
Wimp_GetIconState	&400CE	3-138
Wimp_GetMenuState	&400F4	3-220
Wimp_GetPointerInfo	&400CF	3-140
Wimp_GetRectangle	&400CA	3-130
Wimp_GetWindowInfo	&400CC	3-134
Wimp_GetWindowOutline	&400E0	3-179
Wimp_GetWindowState	&400CB	3-132
Wimp_Initialise	&400C0	3-85, 5a-675
Wimp_LoadTemplate	&400DB	3-167
Wimp_OpenTemplate	&400D9	3-165
Wimp_OpenWindow	&400C5	3-109
Wimp_PlotIcon	&400E2	3-183
Wimp_Poll	&400C7	3-112, 5a-675
Wimp_PollIdle	&400E1	3-181
Wimp_ProcessKey	&400DC	3-170
Wimp_ReadPalette	&400E5	3-189, 5a-675
Wimp_ReadPixTrans	&400ED	3-205
Wimp_ReadSysInfo	&400F2	3-216, 5a-496
Wimp_RedrawWindow	&400C8	3-126
Wimp_RegisterFilter	&400F5	3-222

SWI Name	Number	Page
Wimp_RemoveMessages	&400F7	3-225
Wimp_ReportError	&400DF	3-176, 5a-495
Wimp_ResizeIcon	&400FC	5a-509
Wimp_SendMessage	&400E7	3-193
Wimp_SetCaretPosition	&400D2	3-149
Wimp_SetColour	&400E6	3-191
Wimp_SetColourMapping	&400F8	3-226
Wimp_SetExtent	&400D7	3-161
Wimp_SetFontColours	&400F3	3-218
Wimp_SetIconState	&400CD	3-136
Wimp_SetMode	&400E3	3-185, 5a-119
Wimp_SetPalette	&400E4	3-187
Wimp_SetPointerShape	&400D8	3-163
Wimp_SetWatchdogState	&400FA	5a-506
Wimp_SlotSize	&400EC	3-203
Wimp_SpriteOp	&400E9	3-198, 5a-675
Wimp_StartTask	&400DE	3-174
Wimp_TextColour	&400F0	3-212
Wimp_TextOp	&400F9	5a-501
Wimp_TransferBlock	&400F1	3-214, 5a-44
Wimp_UpdateWindow	&400C9	3-128
Wimp_WhichIcon	&400D6	3-159

Window SWIs

SWI Name	Number	Page
Window_ClassSWI	&82880	5a-657
Window_DeregisterExternal	&82886	5a-657
Window_GetPointerInfo	&82883	5a-657
Window_PostFilter	&82881	5a-657
Window_PreFilter	&82882	5a-657
Window_RegisterExternal	&82885	5a-657
Window_SupportExternal	&82887	5a-657
Window_WimpToToolbox	&82884	5a-657

Symbols

!Run file 3-58

!RunImage file 3-59

!Sprites file 3-58

* Commands 1-4, 1-33–1-39

 example documentation 1-34

 handling 1-216–1-219, 1-959, 5a-668

 issuing from assembler 1-36

 issuing from BASIC 1-36

 issuing from C 1-37

 naming 4-555

 repeating 5a-552–5a-553

‘!Printers is required...’ error 3-261

‘Access to window denied’ error 3-83

‘Access violation’ error 2-563

‘Application needs at least...’ errors 3-286

‘Bad address for module Squash’ error 4-103

‘Bad breakpoint’ error 4-224

‘Bad calibration table’ error 3-374

‘Bad expression’ error 1-318

‘Bad input for module Squash’ error 4-103

‘Bad macro value’ error 1-318

‘Bad name’ error 1-318

‘Bad parameter passed to Wimp in R1’ error 3-63

‘Bad parameters for module Squash’ error 4-103

‘Bad parameters’ error 3-460

‘Bad string’ error 1-318

‘Bad variable type’ error 1-318

‘Bad work area extent’ error 3-63

‘Bad workspace for module Squash’ error 4-103

‘Branch through zero’ error 1-113

‘Break point at ...’ error 1-294

‘Buffer overflow’ error 3-460, 3-502, 3-757

‘Can only print from applications when...’ error 3-259

‘Data transfer failed: Receiver died’ error 3-251

‘*Directory*... is a directory’ error 2-563

‘Disc not found’ error 3-62

‘Disc not known’ error 2-218

‘Disc not present’ error 2-218, 3-62

‘Disc not understood...’ error 2-328

‘End of file’ error 2-63

'File ... not found' error 2-563
'File locked' error 2-556
'Font ... not found' error 3-429
'Illegal window handle' error 3-63
'Input focus window not found' error 3-63
'Invalid time interval' error 1-441
'Invalid Wimp operation in this context' error 3-63
'Map full' error 2-201
'Message file already open' error 3-752
'Message token ... not found' error 3-748
'No acknowledge from IIC device' error 1-977
'No room for variable' error 1-318
'No room in RMA' error 3-374
'No room on supervisor stack' error 1-961
'No such SWI' error 1-26, 1-83, 1-95
'No writeable memory at this address' error 2-563
'Not enough application memory' error 1-298
'Not open for reading' error 1-909
'Please insert disc...' error 2-329, 3-57
'Rectangle area full' error 3-63
'Return code limit exceeded' error 1-303
'Station not present' error 2-346
'Too long' error 1-961
'Too many windows' error 3-63
'Unable to start application' error 2-85
'Undefined RGB font colours' error 3-497, 3-499
'Use *Desktop to start...' errors 3-277
'Variable not found' error 1-318
'Variable value too long' error 1-318
'Wimp is currently active' error 3-73
'Wimp unable to claim work area' error 3-63
'Wimp\$Scrap not defined' error 3-247
'Wimp_GetRectangle called incorrectly' error 3-63
'Window definition won't fit' error 3-63
'Wimp transfer out of range' error 3-214

Numerics

65Host application 1-867
665 *see* SMC '665
82C710, 82C711 1-750–1-751, 5a-223
 features mask 1-751, 5a-223–5a-224

A

a.out format 4-423

A3010, A3020 1-9

AAsm 4-364

Abort mode *see* ABT mode

ABT mode 5a-14, 5a-17, 5a-23, 5a-24

Access 5a-473–5a-484

ADC end conversion event 1-156

address exception vector 1-114, 5a-14, 5a-15, 5a-22–5a-23, 5a-26, 5a-27

Address Resolution Protocol *see* ARP

addresses 1-142–1-145

 Internet *see* Internet (addresses)

ADFS 2-3, 2-5, 2-6, 2-197, 2-265–2-314, 2-324, 2-332

 selecting 2-304

ADVAL 5a-639

AIF 4-419, 4-440

 header layout 4-442

 image debugging 4-440

 layout of an image 4-441

 layout of uncompressed image 4-441

 relocation 4-440

 self relocation 4-444

 zero-initialisation code 4-443

ALF 4-419, 4-436

 Chunkindex 4-437

 DataLength 4-437

 EntryLength 4-437

 LIB_DIRY 4-436

 library file chunks 4-436

 library file format types 4-436

 object code libraries 4-439

 overall structure 4-420

Alias (alias) 5a-538

Alias\$@LoadType... variables 2-17–2-18, 2-174, 4-504, 4-552, 4-565

Alias\$@PrintType... variables 4-504, 4-552

Alias\$@RunType... variables 2-17–2-18, 2-87, 2-183, 3-50, 3-51, 4-504, 4-552, 4-565

Alias\$... variables 1-39, 1-331, 1-955, 1-958–1-959, 4-353, 4-360, 4-503

 listing 1-332

alphabets 3-417, 3-794, 4-569–4-579

 adding 3-777, 3-797

 BFont 4-579

- currently selected 3-769, 3-780–3-781, 3-783–3-784, 3-789–3-790, 3-807
- Cyrillic 4-575
- Cyrillic2 4-578
- default 3-786–3-787
- Greek 4-576
- Hebrew 4-577
- identifiers 3-830
- Latin1 4-571
- Latin2 4-572
- Latin3 4-573
- Latin4 4-574
- listing 3-769, 3-785
- names 3-769, 3-773, 3-775, 3-806, 4-553
- numbers 3-768, 3-769, 3-773, 3-775, 3-776, 3-806, 4-553
- selecting 3-769–3-770, 3-780–3-781, 3-783–3-784, 3-789–3-790, 3-797, 3-807, 3-829–3-830
- Alt key 1-870, 1-877, 3-42, 4-570
- ALU *see* ARM (ALU)
- analogue-to-digital convertor 1-156
- AOF 4-419
 - area attributes 4-425
 - area name 4-425
 - area size 4-427
 - entry address area/ entry address offset 4-425
 - format of the areas chunk 4-427
 - format of the symbol table chunk 4-430
 - format of type 1 relocation directives 4-429
 - format of type 2 relocation directives 4-430
 - header chunk format 4-423
 - identification chunk (OBJ_IDFN) 4-433
 - internal relocation directives 4-428
 - number of areas 4-424
 - number of relocations 4-427
 - obsolete features 4-434
 - overall structure 4-420
 - relocation directives 4-428
 - string table chunk (OBJ_STRT) 4-433
 - symbol table 4-424
- AOF and ALF files
 - chunk names 4-422
 - structure 4-420
- APCS 4-399–4-417

- argument passing 4-402–4-404
- bindings 4-409–4-412
- control arrival 4-403–4-404
- control return 4-404
- design criteria 4-400
- examples 4-413–4-417
- purpose 4-399–4-400
- stack backtrace 4-406–4-409
- terminology for registers 4-400–4-402
- App\$Dir* variables 4-555
- App\$Messages* variables 5a-494
- App\$Options* variables 4-502, 4-553, 4-555
- App\$Path_Message* variables 4-501
- App\$PrintFile* variables 4-502
- App\$Resources* variables 4-502
- App\$Running* variables 4-503
- applications 3-49–3-53
 - absolute 2-87, 2-183
 - address 1-358
 - auto-starting 2-417
 - booting 2-507
 - choices 5a-535, 5a-541, 5a-543
 - see also* desktop (saving state)
 - memory areas 1-351, 5a-38
 - memory available 1-291
 - names 4-554
 - quitting 1-289, 1-297, 1-303, 1-323, 1-330, 1-965, 3-53, 3-228–3-230, 3-231
 - resource files 3-56–3-59
 - running 2-183, 2-512
 - from Alarm 3-241–3-242
 - starting 1-197, 1-266, 1-291, 1-297, 1-301, 1-322, 1-329, 2-85–2-86, 3-50–3-51, 4-502
 - terminology 3-50
 - updated flag 3-50
 - vector usage 1-74–1-76
 - workspace 1-353, 1-357
- area headers
 - format 4-425
- ArgsV 1-80, 1-81, 2-49
- ARM 1-9, 1-11–1-15, 4-191–4-203, 5a-3, 5a-4, 5a-8, 5a-663
 - address bus 1-12, 5a-13, 5a-18, 5a-23
 - ALU 5a-18

- barrel shifter 5a-18
- cache 4-192–4-203, 5a-44
 - bufferable memory 5a-663
 - cacheable memory 4-194, 5a-663
 - disabling 4-192, 4-201–4-203, 5a-44, 5a-663
 - disruptive memory 4-198–4-199
 - enabling 4-192, 4-201–4-202, 5a-44, 5a-663
 - flushing 4-198–4-200, 5a-663
 - updateable memory 4-196
- changing mode 1-12
- clock rate 4-208–4-209
- core 5a-18
- data bus 1-12, 5a-18
- multiplier 5a-18
- pipelining 1-12, 5a-18
- privileged modes 1-12, 1-13, 1-21, 5a-13, 5a-17
- processor configurations 5a-14, 5a-15, 5a-21–5a-28
- static 4-397
- versions 1-11, 4-203, 5a-4, 5a-8, 5a-13, 5a-16, 5a-33
- word size 1-12
- write buffer 5a-663
- ARP 5a-285
- Arthur 1-6
- ASD 4-448
 - AREAs
 - items 4-448
 - data items
 - Array 4-455
 - Endproc 4-453
 - Fileinfo 4-456
 - order of 4-448
 - Procedure 4-452
 - Section 4-451
 - Set 4-456
 - source file position 4-450
 - Struct 4-454
 - Subrange 4-455
 - Type 4-454
 - Variable 4-453
 - data types 4-449
 - sourcepos field 4-450

assembler 4-363–4-398

- arithmetic instructions 4-374–4-375, 4-391

- BASIC variables 4-365

- branching instructions 1-14, 4-367, 4-377, 5a-23

- comparison instructions 1-12, 4-375–4-376, 4-386, 4-390, 4-393

- condition codes 4-371

 - NV 4-385, 4-390

- coprocessor data transfer instructions 4-392, 4-395, 4-396

- directives 4-369

- format of statements 4-369–4-370

- instruction set 4-372–4-383

- logical instructions 4-374–4-375, 4-391

- memory pointers 4-366

- memory usage 4-365

- move instructions 4-373, 4-390

- multiple register load/save instructions 4-380–4-382, 4-387–4-389, 4-392, 4-393, 4-394, 4-395, 5a-23, 5a-24, 5a-663

- multiply instructions 4-376, 4-391, 4-394

- no-op instruction 1-12, 4-385

- OPT directive 4-367–4-368

- passes 4-367

- PSR transfer instruction 5a-13, 5a-15

- shifts 4-372, 4-391

- single register load/save instructions 4-378–4-379, 4-391, 4-397, 5a-24

- stacks 4-380–4-381

- swap instruction 4-392

- SWI instruction 1-14, 4-382–4-383, 4-389, 5a-15, 5a-25

- syntax of descriptions 4-372

- undefined instructions 4-385, 4-389, 4-393, 5a-15, 5a-25, 5a-26

- writeback 4-386, 4-387, 4-391, 4-392, 4-394, 4-397

atexit() 1-353, 5a-310

AUN

- addressing *see* Internet (addresses), AUN (net) *and* AUN (station)

- client station 5a-294

 - definition 5a-283

- data delivery 5a-293

- definition 5a-279

- Driver Control Interface *see* Driver Control Interface

- gateway station 5a-294, 5a-301

 - definition 5a-283

 - number 5a-284

- loading 5a-294
- local broadcasts 5a-293
- map table 5a-296
 - see also* Gateway application (Map file)
- net
 - definition 5a-282
 - enumerating 5a-272
 - number 5a-283, 5a-287–5a-290
 - 128 5a-283, 5a-290
 - zero 5a-283, 5a-293
- network
 - definition 5a-282
 - enumerating 5a-272
 - example 5a-280–5a-281
 - name 5a-282, 5a-289
 - number 5a-287–5a-290
- routing table 5a-302
- site
 - number 5a-287–5a-290
- station
 - definition 5a-283
 - number 5a-283–5a-284, 5a-287–5a-290, 5a-303
- trace information *see* Gateway application (Trace file)
- transmission strategy 5a-291–5a-293

B

- backspace 1-563, 1-570, 1-576, 1-942
- barrel shifter *see* ARM (barrel shifter)
- base/limit pairs 4-433
- BASIC 3-66, 4-345–4-351
 - entering 4-349–4-351
 - error messages 4-347
 - help messages 4-346
 - miscellaneous messages 4-348
- Battery Management Unit 4-212–4-215
 - issuing commands to 4-215
 - reading variables 4-212–4-213
 - writing variables 4-214
- BBC Econet module 2-741–2-743
- BBC I/O expansion card 1-156
- BGetV 1-80, 1-81
- boot action 2-30, 2-149, 2-152

Boot applications 5a-533–5a-554

Desktop file 5a-541–5a-542

accessing 5a-542

adding to 5a-542

format 5a-542

PreDesk directory 5a-536, 5a-540–5a-541

accessing 5a-540

action taken on contents 5a-540–5a-541

adding to 5a-540

PreDesktop file 5a-536–5a-539

accessing 5a-536

adding to 5a-537–5a-538

format 5a-536–5a-537

Tasks directory 5a-541, 5a-543

accessing 5a-543

action taken on contents 5a-543

adding to 5a-543

Boot\$Dir variable 5a-534

Boot\$error variable 5a-534

Boot\$OSVersion variable 5a-534

Boot\$Path variable 5a-534

Boot\$State variable 5a-534

Boot\$ToBeLoaded variable 5a-534

Boot\$ToBeTasks variable 5a-534

Boot\$Unique variable 5a-534

BootCommands module 5a-544

BPutV 1-80, 1-81

Break key 1-867, 1-874, 1-875, 1-910, 1-933, 2-99, 2-149, 2-152

breakpoints

listing 4-228

removing 4-227

resuming execution after 4-230

setting 4-229

bridge *see* Econet (bridge) *and* Ethernet (bridge)

Broadcast Loader 2-349, 2-739–2-740, 2-760, 5a-286

buffers 1-163–1-179, 1-505, 1-864, 2-612–2-613, 4-85–4-101

addresses 4-99

counting entries 1-92, 1-170, 5a-221, 5a-667

creating 4-85, 4-88–4-89

data format 1-165

deregistering 4-90, 4-93, 4-97

- events 1-155, 4-86, 4-89, 4-92
- flags word 4-89, 4-92, 4-94–4-95, 4-99
- flushing 1-92, 1-167–1-169, 1-927, 4-90, 4-93, 5a-221, 5a-389, 5a-667
- free space 1-92, 1-170, 1-193–1-194, 4-86, 4-89, 4-92, 4-99, 4-101, 5a-221, 5a-667
- getting status 1-176
- handles 4-85, 4-89, 4-92, 5a-228
- information 4-99–4-100
- inserting into 1-88, 1-172, 1-178, 1-193, 4-85, 4-86, 5a-218, 5a-667
- internal IDs 5a-228
- keyboard 1-870, 1-871
- manager 4-85–4-101
 - killing 4-97
 - starting 4-86, 4-87
- mouse 1-563, 1-726
- mouse data 1-165
- numbers 1-164
- owner change routine 4-85, 4-96–4-98
- registering 4-85, 4-86, 4-87, 4-88–4-89, 4-91–4-92
- removing 4-90, 4-97
- removing from 1-90, 1-174, 1-194, 4-85, 4-86, 5a-219–5a-220, 5a-222, 5a-667
- resizing 1-165
- service routine 5a-217–5a-222, 5a-228
- sizes 1-164
- thresholds 1-193–1-194, 4-86, 4-89, 4-92, 4-101
- wake up routine 4-85, 4-89, 4-92, 4-96–4-98

byte

- definition 4-419
- sex 4-419

ByteV 1-70, 1-81, 2-743, 3-573, 3-575

C

C

- arrays 1-354
- static variables 1-354
- storage manager 1-348–1-354
 - bins (linked lists) 1-349
 - block sizes 1-349
 - coalescing blocks 1-350
 - deallocating blocks 1-350
 - description 1-349
 - fragmentation 1-350
 - overflow list 1-349

- splitting blocks 1-349
 - stack allocation 1-351
- CallBack flag 1-294, 1-295, 1-313
- Callbacks 1-28, 1-295–1-297, 1-327, 1-340–1-341
 - transient 1-296, 1-324, 1-327, 5a-669
- Caps Lock key 1-870, 1-891, 1-915, 1-947, 1-949, 1-951
- caret
 - colour 5a-494
 - defining 3-444–3-445
 - position 3-40, 3-42, 3-119, 3-149–3-152, 3-423, 3-436, 3-452–3-453, 3-469–3-470, 3-493
 - replacing 3-41, 3-129
- carriage return 1-570, 1-581, 1-942, 2-145, 3-723
- CDFS 5a-193–5a-212
 - loading 5a-199, 5a-200
 - selecting 5a-197
- CD-ROM drives
 - listing 5a-196
 - locking *see* CD-ROMs (ejecting)
 - number of 5a-200
 - parking heads 5a-195, 5a-201
 - read speed 5a-198
 - selecting 5a-202
 - supported 5a-210
- CD-ROMs 5a-193–5a-212
 - buffering 5a-199
 - dismounting 5a-201
 - ejecting 5a-203–5a-204, 5a-211
 - ID numbers 5a-212
 - listing tracks 5a-207
 - mounting 5a-205
 - writing to 5a-194
- CDs 5a-193
 - playing 5a-206, 5a-208–5a-209
 - see also* CD-ROMs
- ChangeEnvironmentV 1-84, 1-292
- ChangeFSI application 5a-147
- character input event 1-155
- characters
 - currency symbol 3-845–3-846
 - decimal point 3-844–3-846
 - definitions

- changing 1-566, 1-625, 3-777, 3-797
- default 1-566, 1-654–1-657, 4-571
- reading 1-566, 1-702, 3-595
- direction of I/O 3-217, 3-289, 3-832–3-833
- inputting 1-863–1-953, 2-443, 3-40–3-43, 3-101, 3-119–3-120, 3-170–3-171, 5a-430, 5a-458
- outputting 1-503–1-546, 1-548, 1-553, 1-556, 1-565, 2-444, 3-47, 3-210, 5a-460
- property tables 3-834–3-835
- reading from cursor 1-555, 1-565, 1-670, 5a-115
- redefining 1-513
- scaling 1-786, 1-829, 3-47
- size/spacing 1-566, 1-620
- thousands separator 3-844–3-846
- Choices\$Dir variable 5a-535
- Choices\$Path variable 5a-535
- Choices\$Write variable 5a-535
- chunk file
 - chunkId 4-421
 - format 4-420
 - header entries 4-421
 - layout 4-421
 - library file format 4-420
 - object file format 4-420
 - offset 4-421
- CISC processors 1-11
- CLI 1-81, 1-955–1-965
 - abbreviations 1-958, 4-357
 - accessing from Wimp 3-330
 - calling 1-956, 1-961
 - leading characters 1-956
 - looking up commands 1-959
 - parameters 1-959
 - processing 1-956–1-959, 1-961
- CLI\$Prompt variable 1-290, 1-334, 4-505
- CLIV 1-81
- CMOS RAM 1-343, 1-345, 4-553
 - allocation 1-361–1-366, 5a-73–5a-80
 - protecting 5a-247–5a-258
 - reading 1-369
 - writing 1-371, 5a-536, 5a-551
- CnpV 1-70, 1-77, 1-82, 1-92, 4-85, 4-90, 4-93, 5a-215, 5a-667
- colour descriptors 5a-558–5a-559

colour picker 5a-555–5a-577

altered state 5a-575, 5a-576

block 5a-564

closing 5a-566, 5a-576

colour models 5a-577

dialogue types 5a-557

help text 5a-572

opening 5a-563–5a-565

reading state 5a-569

updating 5a-567–5a-568

ColourDbox module 5a-658

ColourMenu module 5a-658

colours 1-551–1-552, 1-558–1-560, 3-44–3-47

bits per pixel 1-548, 1-589, 5a-108–5a-109

border 1-551, 1-560

calibration 3-336, 3-340–3-341, 3-342, 3-374–3-378, 3-383, 3-408–3-409

choosing *see* colour picker

default 1-592

descriptor *see* colour descriptor

devices 3-340–3-341, 3-376

flashing 1-560, 1-588, 1-608–1-609, 1-649–1-651, 1-678–1-683, 1-729, 3-393, 3-395

gamma correction *see* palette (gamma correction)

graphics 1-551, 1-554, 1-560, 1-586–1-587, 1-592, 1-597, 1-754, 3-191–3-192, 3-334, 3-337–3-339, 3-346–3-351, 3-353, 3-357–3-360, 3-362–3-363, 3-366–3-367, 3-397–3-398, 3-580, 3-594, 5a-114, 5a-116, 5a-121, 5a-503

internal colour numbers 3-334, 3-337–3-339, 3-352, 3-355, 3-361, 3-364, 3-366–3-367, 3-578–3-579, 5a-121

inverse video 1-560, 1-618

loadings 3-339, 3-400, 3-407

logical-physical mapping 1-551, 1-560, 1-588, 1-597, 3-226–3-227

plotting actions 1-586, 1-592, 1-755, 3-18, 3-191–3-192, 3-350, 3-359, 3-397, 3-594

pointer 1-551, 1-560, 1-564, 3-43

reading from pixel 1-555, 1-565, 1-700, 1-734, 5a-115

text 1-551, 1-554, 1-560, 1-585, 1-592, 1-597, 1-618, 3-212–3-213, 3-401–3-404, 3-580, 5a-114, 5a-116, 5a-503

tints 1-552, 1-559, 1-560, 1-591, 1-592, 1-616, 3-191, 3-395, 5a-115

reading from pixel 1-555, 1-734

Wimp 3-45–3-47

ColourTrans 3-333–3-409, 5a-689

cache 3-335, 3-340, 3-343, 3-372

ColourV 1-70, 1-84, 1-103, 3-573, 3-576

- command line mode 1-33, 1-866
 - accessing 1-965
- command scripts 4-353–4-360, 5a-669
 - control characters 4-359
 - creating 4-354
 - differences between Command and Obey files 4-359–4-360
 - parameters 4-356–4-357
 - running 4-354, 4-356
- command shell 3-330
- common area symbols 4-434
- communication domains *see* domains
- comparison routines 1-971
- computer
 - schematic 1-10, 5a-5
- conditional execution 1-496, 5a-550
- Configure application 5a-533
- configure options
 - adding 1-264
 - reading values 1-407
 - writing values 1-400
- confirmation 1-973–1-974
- contention 1-12
- controllers
 - presence 5a-70
- conversions 1-453–1-496
 - alphabet name to alphabet number 3-769, 3-773
 - alphabet number to alphabet name 3-769, 3-775, 3-806
 - argument decoding 1-478–1-481
 - characters to control characters 3-838
 - characters to lower case 3-836
 - characters to numeric values 3-840
 - characters to unaccented version 3-839
 - characters to upper case 3-837
 - CIE to RGB 3-381–3-382
 - CMYK to RGB 3-391–3-392
 - colour number to GCOL 3-367, 5a-121
 - country name to country number 3-770, 3-772
 - country number to alphabet number 3-770, 3-776
 - country number to country name 3-770, 3-774
 - device colour to standard colour 3-376
 - device palette to standard colours 3-377

Econet numbers to strings 1-458, 1-486–1-489
Econet status to string 2-626–2-630, 2-675–2-678
8 bit m-law sound to 16 bit linear sound 5a-598, 5a-599
expression evaluation 1-333, 1-456–1-458, 1-470, 1-495, 1-496
file sizes to strings 1-459, 1-490–1-493
fonts to Draw files 3-483
GCOL to colour number 3-366, 5a-121
GS string operations 1-454–1-456, 1-462–1-467, 1-494, 2-143, 2-145, 3-244, 4-359, 5a-547
HSV to RGB 3-387–3-388
message token to string 3-754–3-755, 3-762–3-765
millipoints to OS units 3-416, 3-446, 3-456–3-457
numbers to strings 1-454, 1-468, 1-482–1-485
numeric values to characters 3-841
OS units to millipoints 3-416, 3-447, 3-456–3-457
palette entries to font colours 3-368–3-371
palette entry to colour number 3-352, 3-355, 3-361, 3-364, 3-578–3-579
palette entry to GCOL 3-348–3-351, 3-353, 3-357–3-360, 3-362–3-363, 3-580
parameter substitution 1-458, 1-476
RGB to CIE 3-379–3-380
RGB to CMYK 3-389–3-390
RGB to HSV 3-385–3-386
signed integer to volume-scaled signed VIDC logarithm 4-10, 4-27, 4-73, 4-74
signed VIDC logarithm to volume-scaled signed VIDC logarithm 4-11, 4-28, 4-73
sound pitch to phase accumulator value 4-40
strings to numbers 1-454, 1-460
SWI names to numbers 1-458, 1-474
SWI numbers to names 1-458, 1-472
territory name to number 3-849
time (5-byte) to ordinals 3-810–3-811, 3-823–3-824, 5a-590
time (5-byte) to string 1-447–1-450, 3-815–3-822
time (BCD) to string 1-431
time (file server) to time (RISC OS) 2-364
time (ordinals) to 5-byte 3-827–3-828, 5a-590
time (string) to ordinals 3-825–3-826, 5a-590
coprocessors 4-169, 5a-25
Copy key 1-550, 1-872, 1-880, 1-884, 1-923, 1-952, 3-101, 3-119
Copy\$Options variable 2-154–2-156, 4-505
Count\$Options variable 2-157, 4-505
countries
 currently selected 3-770, 3-779, 3-782, 3-789–3-790
 default 3-770, 4-570

- listing 3-770, 3-788
- names 3-768–3-769, 3-772, 3-774, 4-553, 5a-589
- numbers 3-768–3-769, 3-772, 3-774, 3-776, 4-553
- selecting 3-770, 3-779, 3-789–3-790
- CPSR *see* registers (CPSR)
- CRC 1-975–1-976
- Ctrl key 1-870, 1-877, 1-915, 1-923, 1-937
- current program status register *see* registers (CPSR)
- currently active object pointer 1-297, 1-320, 2-85, 3-66, 3-204
- cursors 1-549, 1-563
 - appearance 1-600, 1-601
 - editing facility 1-550, 1-555, 1-597, 1-601, 1-670, 1-880, 1-884, 1-888
 - graphics 1-550, 1-563, 1-566, 1-597, 1-635, 1-708
 - homing 1-563, 1-580, 1-597, 1-635
 - keys 1-871, 1-872, 1-880, 1-884, 1-923, 1-929, 1-952, 3-101, 3-120
 - linking 1-573
 - movement 1-563, 1-576–1-579, 1-581, 1-614, 1-628, 1-631, 1-636, 1-637
 - reading position 1-563, 1-677, 1-708
 - removing 1-563, 1-601, 1-739
 - restoring 1-601, 1-741
 - splitting 1-572
 - text 1-550, 1-563, 1-597, 1-635, 1-636, 1-668
- D
- DACs 1-16, 5a-6
- data abort vector 1-114, 5a-15, 5a-24, 5a-26, 5a-27
- daylight saving time 3-814, 5a-414
 - selecting 3-852–3-853
- DCS module 5a-658
- DDT
 - debugging AIF images 4-440
- debugger 4-223–4-240
 - entering 4-231
 - exiting 4-224
- debugging
 - format of symbolic data 4-448
- delete 1-563, 1-637, 1-942, 3-101
- DeskFS 2-427–2-428
 - selecting 2-428
- desktop 3-217
 - backdrop 3-293, 5a-497
 - boot files 3-76, 3-243, 3-275, 3-286, 4-507

- directory displays 2-508–2-511, 2-514–2-518, 3-16, 3-231–3-232
- entering 1-978, 2-179, 2-417, 3-68–3-71, 3-78, 3-275–3-276
- free space display 2-521–2-527, 5a-259–5a-260
- initialising ROM-resident utilities 3-277, 5a-475, 5a-497
- leaving 3-123, 3-230, 3-243, 3-315–3-316
- saving state 3-76, 3-243–3-245, 3-286, 3-317, 3-400, 3-407–3-408, 5a-541
- startup screen 3-78
- Desktop file *see* Boot applications (Desktop file)
- Desktop\$File variable 4-507
- device drivers 2-5, 2-20, 2-429–2-444, 5a-84
 - adding 2-5, 2-431, 2-435–2-437, 2-607–2-615
 - initialising 2-607
 - interfaces 2-609–2-615
 - introduction 2-608
 - private word 2-437, 2-608
 - receiving characters 2-443, 2-611, 2-613–2-615
 - removing 2-433, 2-438, 2-607, 2-610
 - thresholds 2-442, 2-612–2-614
 - transmitting characters 2-444, 2-610
 - workspace pointer 2-437, 2-608
- device overrun event 1-161
- DeviceFS 1-195–1-196, 2-3, 2-5, 2-429–2-444, 4-85, 4-97, 5a-215
 - initialising 2-431
 - shutting down 2-432
 - special fields 2-430
 - validation strings 2-430, 2-437
- DeviceFS\$... variables 4-507
- DeviceFS\$...\$Options variables 2-436, 2-438
- devices 2-429–2-444, 4-507
 - adding 2-435–2-437, 2-439, 2-607
 - block 2-429, 2-435
 - buffers 2-436
 - calling 2-441
 - character 2-429, 2-435
 - claiming 3-245–3-247
 - listing 2-612
 - numbers 3-246, 4-556
 - overloading 2-434
 - removing 2-433, 2-438, 2-440, 2-607
- dialogue boxes 3-36–3-39
 - informational 3-37

digital-to-analogue convertor 5a-595

directories 2-13

- cacheing 2-306, 2-588, 5a-199

- checksum 2-214

- closing 2-26

- creating 1-185, 2-42, 2-147, 2-560, 2-730

- currently selected 2-14, 2-70, 2-83, 2-125, 2-128, 2-138, 2-140, 2-144, 2-163, 2-175, 2-193, 2-219, 2-260, 2-383, 2-386, 2-387, 2-390, 2-563, 2-571, 2-705, 2-712, 2-713, 2-728, 4-503, 5a-205, 5a-379, 5a-417

- entries 2-212, 5a-671

- formats 2-211–2-214

- header 2-212

- listing 2-71–2-74, 2-89, 2-90, 2-93, 2-117, 2-146, 2-165, 2-166, 2-168, 2-169, 2-565–2-566, 2-567, 2-572–2-574, 2-576–2-577, 2-712, 2-716–2-718, 2-726–2-727, 5a-433, 5a-670

- listing shares 5a-483

- previously selected 2-12, 2-14, 2-125, 2-138, 2-140, 2-144, 4-503

- privilege 2-70, 2-571

- reading path of 2-140

- root 2-13, 2-205

 - reading 2-232

- selecting 2-13, 2-83, 2-125, 2-138, 2-144, 2-163, 2-193, 2-254–2-255, 2-260, 2-348, 2-383, 2-386, 2-387, 2-390, 2-514, 2-563, 2-705, 2-712, 2-713, 5a-205, 5a-379

 - defaults 2-219

- shared resources 3-60, 4-555

- sharing 5a-479, 5a-484

- tail 2-213

- titles 2-262

- user root 2-14, 2-83, 2-129, 2-138, 2-140, 2-163, 2-177, 2-194, 2-219, 2-260, 2-383, 2-386, 2-387, 2-390, 2-705, 2-712, 4-503, 5a-205, 5a-379

disassembling instructions 4-225

disc cycle id 2-328–2-329

disc drives

- controller 2-267

 - alternative 2-284, 2-298, 4-136–4-138, 5a-672

 - powering down 4-207, 4-210–4-211

 - type 2-294

- interface signals 2-276–2-278

- locking 2-246, 2-302, 2-604–2-606, 5a-674

- number of 2-308–2-310

- numbers 2-218

- parking heads 2-107, 2-188, 2-223–2-227, 2-251, 2-256, 2-283, 2-575, 2-602–2-604, 5a-178–

- 5a-182, 5a-187
- polling for changes 2-244, 2-302, 2-604–2-606, 5a-674
- polling period 2-248, 2-302, 2-604–2-606, 5a-674
- reading information 2-230, 2-286, 2-318
- retries 2-288
- selecting 2-257, 2-307
- specification required 2-268–2-275
- spinning down 2-296–2-297, 2-605
- stepping heads 2-223–2-227, 2-283, 2-311–2-312, 2-602–2-604, 5a-178–5a-182, 5a-187
- timeouts 2-225, 2-606, 5a-180
- unlocking 2-247, 2-302, 2-604–2-606, 5a-674
- discs
 - addresses 2-208, 2-210–2-211, 2-225, 5a-174, 5a-176, 5a-180
 - internal 2-211, 5a-173
 - physical 2-210–2-211, 5a-172–5a-173, 5a-185, 5a-265–5a-268
 - allocation unit 2-205
 - background transfers 2-603–2-604
 - boot block 2-205, 2-215–2-217, 2-602, 5a-266
 - checksum 2-217
 - DOS – copying 2-340
 - hardware parameters 2-216, 5a-185
 - partition descriptor 2-216
 - boot option 2-29, 2-94, 2-132, 2-133, 2-146, 2-179, 2-567, 2-570, 2-582–2-583, 2-728
 - changing 2-218
 - compacting 2-253
 - copy protecting 2-267–2-268, 5a-672
 - copying 2-250
 - cycle id 2-221
 - defect list 2-215, 2-581, 5a-173–5a-174, 5a-262–5a-263
 - alternate 2-224, 5a-179, 5a-185, 5a-187
 - defects 2-126, 2-160, 2-205, 2-263, 5a-169, 5a-671
 - mapping out 2-127, 2-160, 2-581, 5a-170, 5a-263–5a-264, 5a-671
 - dismounting 2-107, 2-188, 2-256, 2-506, 5a-476
 - ejecting 2-249, 2-302, 2-604–2-606, 5a-674
 - errors 2-278–2-280
 - format specification string 2-281
 - format specifier 2-237, 2-336
 - format structure 2-226, 2-237, 2-336, 5a-181
 - formats 2-199, 2-313, 5a-174, 5a-671
 - checking achievable 2-236–2-238, 2-291, 2-331, 2-335–2-337
 - identifying 2-6, 2-220–2-222, 2-281, 2-325, 2-327, 2-330

- listing 2-282, 2-330, 2-504–2-505
- logical layout 2-199, 5a-671
- physical layout 2-199, 5a-671
- selecting 2-329–2-330
- vetting 2-236, 2-291–2-292, 2-331, 2-335
- formatting 2-6, 2-223–2-227, 2-267, 2-283, 2-313–2-314, 2-317, 2-325, 2-329–2-331, 2-602–2-604, 5a-178–5a-182, 5a-187
- fragments 2-205–2-207, 5a-174
- free space 2-134, 2-157, 2-205, 2-206, 2-231, 2-253, 2-258, 2-287, 2-319, 2-381, 2-524, 2-584, 2-730, 5a-168, 5a-175, 5a-183, 5a-189, 5a-260, 5a-262, 5a-268, 5a-477, 5a-673
- granularity 2-205
- heads 2-200
- interleaved sides 2-200
- largest creatable object 2-134, 2-231, 2-287, 2-319, 5a-168, 5a-171, 5a-175, 5a-183, 5a-189, 5a-191
- locking *see* FSLock *and* IDE bus (locking)
- map 2-201–2-210, 5a-173, 5a-174
 - allocation bytes 2-205–2-207, 5a-174
 - blocks 2-203
 - checking 2-252
 - checksums 2-202–2-203
 - displaying 2-259
 - fragment blocks 2-205
 - fragment ids 2-205–2-207, 5a-174
 - new format 2-203–2-210
 - old format 2-202–2-203
 - reading 2-232, 2-583
 - zones 2-203
- mounting 2-219, 2-242–2-243, 2-254–2-255, 2-260, 2-288, 2-302, 2-348, 2-387, 2-390, 2-604–2-606, 2-712, 5a-266, 5a-673, 5a-674
- name 2-146, 2-218, 2-328–2-329, 2-523, 2-570
- naming 2-261, 2-585
- reading id 2-223–2-227, 2-283, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187
- record 2-204, 2-216, 2-242, 2-327, 2-602, 5a-172
 - reading 2-234, 2-290, 2-320
- sequenced sides 2-200
- shared icon 5a-481
- size 2-134, 5a-168
 - maximum 2-207–2-208, 5a-171–5a-173, 5a-174, 5a-175
- specifying 2-218–2-219, 2-223–2-227, 2-283, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187
- status 5a-177

- updating 2-136
 - verifying 2-223–2-227, 2-263, 2-283, 2-288, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187
- Display Power Management Signalling *see* monitor (power saving)
- DMA 1-16, 1-21, 5a-6, 5a-7, 5a-81–5a-100
 - channels 5a-82–5a-83
 - deregistering 5a-90
 - registering 5a-88–5a-89
 - completing 5a-86, 5a-93–5a-94
 - control routines 5a-84–5a-87
 - disabling 5a-85
 - enabling 5a-85
 - progress 5a-99
 - queueing transfers 5a-91–5a-92
 - resuming 5a-97
 - starting 5a-86
 - suspending 5a-95–5a-96
 - synchronising 5a-87
- domains 5a-308–5a-309, 5a-323, 5a-325, 5a-326, 5a-327
 - AF_INET 5a-308, 5a-326
 - AF_UNSPEC 5a-331
- DOSFS 2-3, 2-6, 2-323–2-342, 5a-671, 5a-672
 - attribute mapping 5a-672
 - boot block 5a-191
 - data corruption 2-334
 - FATs 5a-191
 - filename mapping 2-332–2-333
 - SWI numbers 2-334
- DPMS *see* monitor (power saving)
- DragAnObject module 5a-515–5a-520
- DragASprite module 3-297–3-300, 5a-496
- DRAM 5a-7, 5a-37, 5a-109
- Draw
 - file format *see* file formats (Draw)
 - object types 4-553, 5a-524–5a-525, 5a-665
 - rendering files *see* DrawFile module
 - tagged object types 4-553
- Draw application 3-644, 5a-522, 5a-665
- Draw module 3-533–3-561
 - Bezier curves 3-534, 3-538, 3-560
 - flattening 3-534, 3-537, 3-541, 3-543, 3-545–3-547, 3-548, 3-550, 3-554–3-555, 3-581
 - cap styles 3-542, 3-561

- dash patterns 3-543
- dashed lines 3-534, 3-546, 3-550
- data structures 3-538–3-543
- element types 3-534, 3-538–3-539
- examples 3-558–3-561
- fill styles 3-540, 3-546, 3-549, 3-551
- filling 3-534, 3-537, 3-543, 3-545–3-549, 3-581–3-582
- floating point support 3-537
- internal units 3-535, 3-540, 3-543
- join styles 3-542, 3-561
- line caps 3-534
- line thickness 3-541, 3-547, 3-551, 3-561, 5a-678
- mitre limits 3-542
- moves 3-538
- path elements 3-534
- paths 3-534, 3-538–3-539
 - continuing 3-538
 - ending 3-538
- printing 3-536, 3-537, 3-544
- rotation 3-536, 3-540
- scaling 3-536, 3-540, 3-543
- stroking 3-534, 3-537, 3-539, 3-543, 3-545–3-547, 3-550–3-557, 3-581, 3-582, 5a-678
- subpaths 3-534, 3-538–3-539
 - closing 3-534, 3-538–3-539, 3-546, 3-548
- terminology 3-534–3-535
- transform units 3-535, 3-540
- transformation matrices 3-534, 3-536, 3-540, 3-544, 3-545–3-547, 3-556–3-557, 3-558, 3-581
- translation 3-536, 3-540, 3-560
- user units 3-535, 3-543
- winding rules 3-534, 3-536, 5a-677
- see also* DrawFile module
- DrawFile module 5a-521–5a-531
 - bounding box 5a-528
 - declaring fonts 5a-525, 5a-529–5a-530
 - errors 5a-523
 - output 5a-522
 - rendering 5a-524, 5a-526–5a-527, 5a-531
- DrawV 1-70, 1-84, 1-100, 3-573, 3-581, 5a-678
- Driver Control Interface 2-654–2-656, 5a-285, 5a-287, 5a-305, 5a-461–5a-466
- dynamic areas 5a-38–5a-39, 5a-45–5a-47, 5a-50–5a-61
 - creating 5a-50, 5a-55–5a-57

- enumerating 5a-60
- free pool 5a-38
- growing 5a-45–5a-46
- handling routines 5a-45–5a-47
- information on 5a-59
- removing 5a-51, 5a-58
- renumbering 5a-52, 5a-61
- shrinking 5a-46–5a-47
- see also* memory (allocation) *and* memory (map)

E

EASI space *see* expansion cards (EASI space)

ECF patterns 1-552, 1-561–1-562, 1-596, 1-597, 1-754, 3-44, 3-46, 3-191, 3-202, 3-339, 3-350, 4-563

- default 1-562, 1-610
- defining 1-602
- examples 1-770–1-772
- native/BBC 1-559, 1-562, 1-602, 1-617
- origin 1-562, 1-619, 1-745
- reading 1-703
- simple 1-612
- sprites' usage 1-780

Econet 1-136, 2-343, 2-393, 2-619–2-743, 2-759–2-760, 5a-269–5a-277, 5a-279, 5a-282, 5a-291, 5a-688

- addresses of registers 5a-276
- background tasks 2-634–2-637
- banner 2-684
- bridge 5a-282, 5a-289, 5a-290
- bridge protocol 5a-293
- broadcast transmissions 2-637–2-638
 - local 2-637
 - long 2-637
- clock period / frequency 5a-277
- Count 2-625
- Delay 2-625
- detecting 2-682, 2-704
- error handling 2-626–2-630, 2-677
- events 2-633–2-637
- flag bytes 2-630, 2-650
- frames 2-621
- immediate operations 2-639–2-647, 2-679–2-682, 2-691–2-694, 5a-291
 - Continue 2-644

- GetRegisters 2-646
- Halt 2-644
- JSR 2-640–2-641
- MachinePeek 2-644–2-646, 5a-269
- OSProcedureCall 2-640–2-641, 2-643–2-644
- Peek 2-640
- Poke 2-640
- UserProcedureCall 2-640–2-643
- killing 2-653, 5a-674
- local loopback 2-638–2-639, 2-651
- message tokens 2-629–2-630
- net numbers 2-637, 2-647–2-649, 2-674, 2-683, 2-703
- obsolete calls 2-741–2-743
- packets 2-621, 2-637
 - size 2-624, 2-700–2-701
- port numbers 2-630–2-633, 2-649–2-650, 5a-269–5a-270, 5a-674
 - allocation 2-630–2-633, 2-688–2-689, 5a-270
 - claiming 2-631–2-633, 2-688, 2-690, 5a-270
 - releasing 2-631–2-633, 2-687, 2-689
 - wild 2-650
- powering down 4-207, 4-210–4-211
- protection word 2-646–2-647, 2-679–2-682
- receiving data 1-159, 2-622–2-624, 2-661–2-662, 2-695–2-696
- remote procedure calls 1-157, 1-160
- RxCBs 2-622–2-624
 - abandoning 2-623, 2-663, 2-664–2-665, 2-695–2-696
 - claiming memory for 2-622, 2-658
 - creating 2-622, 2-657–2-658
 - listing handles 2-666
 - polling 2-623, 2-664–2-665
 - status 2-622, 2-623, 2-659–2-660, 2-664–2-665
 - wild 2-636
- sequence number 2-719, 2-720
- starting 2-647, 2-652
- station numbers 2-637, 2-647–2-649, 2-674, 2-683, 2-703, 5a-303
- transmitting data 1-160, 2-624–2-626, 2-650, 2-667–2-668
 - retries 2-625–2-626
- transport
 - name 2-702
 - state 2-698
 - type 2-685

- version 2-697
- TxCBs 2-624–2-626
 - abandoning 2-626, 2-671, 2-672–2-673, 2-693–2-694
 - claiming memory for 2-626, 2-668, 2-692
 - creating 2-624, 2-667–2-668, 2-672–2-673, 2-691–2-694
 - listing handles 5a-274
 - polling 2-626, 2-672–2-673, 2-693–2-694
 - status 2-624–2-625, 2-669, 2-672–2-673, 2-693–2-694
- Econet OS remote procedure event 1-160
- Econet receive event 1-159
- Econet transmit event 1-160
- Econet user remote procedure event 1-157
- EconetV 1-70, 1-84, 1-101, 2-745, 2-759
- entry vector 4-432
- errors 1-41–1-47, 1-260, 5a-680
 - blocks 1-42
 - generating 1-44–1-47, 2-45, 2-539, 2-600–2-601, 2-603, 2-608, 5a-673
 - handling 1-28, 1-43
 - numbers 1-42–1-43, 2-538, 2-600–2-601, 4-552
 - serious *see* Wimp (error reporting)
- ErrorV 1-43, 1-80
- Esc key 1-44, 1-156, 1-867, 1-875, 1-910, 1-925, 1-942, 2-143, 2-145, 3-38, 3-42, 3-119, 3-177
- escape conditions 1-867, 1-875–1-876, 1-934, 1-942, 1-973, 2-225, 3-42, 3-112, 3-595, 5a-180
 - acknowledging 1-876, 1-897
 - character causing 1-867, 1-875, 1-920
 - clearing 1-876, 1-895
 - detecting 1-876, 1-943
 - disabling 1-876, 1-910, 1-925
 - effects 1-876, 1-927
 - enabling 1-925
 - setting 1-875, 1-896
 - summary 1-875
- escape event 1-156, 1-867, 1-876
- Ethernet 5a-282
 - address 5a-631–5a-633, 5a-635
 - bridge 5a-282
 - see also* Access, AUN *and* Internet
- events 1-147–1-162, 1-869, 5a-667
 - disabling 1-148, 1-150
 - enabling 1-148, 1-152
 - generating 1-154

- handler routines 1-148
- list 1-147
- EventV 1-77, 1-82, 1-294
- exceptions 1-43, 1-44, 1-113–1-116, 4-395, 5a-14, 5a-15, 5a-21–5a-29
 - priority system 5a-26
 - see also exception vector names*
- exit() 1-354
- expansion cards 1-119, 4-117–4-167, 5a-625–5a-635
 - access speed 5a-634
 - Acorn conformance bit 4-124
 - adding sprites to Wimp pool 2-415
 - address space
 - reading from 4-151, 5a-626, 5a-627
 - writing to 4-153–4-154, 5a-627
 - addresses 1-145, 4-155–4-156, 4-159–4-160, 5a-627, 5a-629–5a-630, 5a-631–5a-633
 - chunk directories 4-118, 4-128–4-130, 5a-626, 5a-627, 5a-630
 - presence of 4-124
 - chunks 4-128–4-130, 5a-630
 - addresses 4-157
 - information 4-142–4-143, 4-157–4-158
 - listing 4-142–4-143, 4-157–4-158
 - reading from 4-144
- CMOS RAM 4-133, 4-155–4-156, 4-159–4-160, 5a-627, 5a-629–5a-630, 5a-631–5a-633
- code space 4-130
 - reading from 4-145, 4-164, 5a-627
 - writing to 4-147, 4-162, 5a-627
- country code 4-124
- device drivers 1-124–1-125
- device vectors 1-122
- devices' registers 4-151–4-153
- DMA 5a-625, 5a-631–5a-633
 - see also DMA*
- EASI space 5a-39, 5a-626, 5a-631–5a-633
 - addresses of 5a-626
- event usage 1-148
- handling interrupts 1-127–1-135
- headers 4-140
- ID field 4-121, 4-124, 5a-630, 5a-631–5a-633
- identity 4-118, 4-120–4-124, 4-139–4-141
 - extended 4-122–4-125, 5a-630
 - simple 4-120–4-121, 5a-630

- interrupt status bits 4-121, 4-124, 4-126
- interrupt status pointers 4-118, 4-126, 4-127–4-128, 4-140, 5a-626, 5a-627, 5a-631–5a-633
 - presence of 4-124
- interrupts 4-126–4-128
- listing 4-163, 5a-630
- loaders 4-118, 4-130–4-133, 5a-626, 5a-627
 - calling 4-149–4-150, 5a-627
 - entry conditions 4-131
 - error returning 4-132
 - example 4-132–4-133
 - loading 4-133, 4-142, 4-158
 - resetting 4-139, 4-140
- manufacturer code 4-124, 4-553
- network card *see* network interfaces
- number of 4-161
- operating system identity byte 4-129–4-130, 4-142, 4-157, 5a-630
- podules 4-134
- presence of 4-121, 4-125
- product type code 4-124, 4-553
- resetting hardware 4-135
- ROM images 4-130
 - example program 4-165–4-167
- ROM sections 4-133, 5a-628, 5a-631–5a-633
 - width 4-121, 4-122, 4-124
- extension ROMs 1-499, 4-117–4-167
 - extended identity 4-125
 - headers 4-119
 - width 4-119

F

- fast interrupts 1-114, 1-131–1-134, 5a-21–5a-22, 5a-26, 5a-27, 5a-28–5a-29
 - device numbers 1-131
 - disabling 1-135
 - requests 1-115, 1-131
 - speed of handling 1-133
- fastparallel: 5a-216
- file formats 4-459–4-499
 - AIF 4-440–4-447
 - ALF 4-436–4-439
 - AOF 4-423–4-435
 - b9999x9999 files 4-481–4-489, 5a-680–5a-681
 - Draw 4-463–4-475, 5a-665, 5a-680

- Encodings files 4-489–4-491
- f9999x9999 files 4-481–4-489, 5a-680–5a-681
- font Messages files 4-491–4-493
- fonts 4-476–4-493, 5a-680–5a-681
- IntMet... files 4-476–4-479
- layering 4-420
- music 4-494–4-498
- Outlines files 4-481–4-489, 5a-680–5a-681
- sprites 4-460
- Squash 4-499
- templates 4-461–4-462
- x90y45 files 4-480–4-481
- file server protocols 2-705–2-738
 - access rights 2-707
 - attributes 2-707
 - Catalogue header 2-717–2-718
 - client handles 2-705
 - Close object 2-719
 - command codes 2-706
 - Create directory, specifying size 2-730
 - Create file 2-731
 - dates 2-707
 - Decode command lines 2-710–2-713
 - Delete object 2-728
 - disc titles 2-708
 - Examine 2-716–2-717
 - function codes 2-705
 - Get byte 2-719–2-720
 - Get bytes 2-720–2-721
 - Load as 2-718
 - Load file 2-715
 - Log off 2-729
 - Manager Interface 2-734–2-736
 - object names 2-708
 - object types 2-707
 - Open object 2-718
 - passwords 2-708
 - privilege 2-708
 - Put byte 2-720
 - Put bytes 2-722–2-723
 - Read ‘end-of-file’ status 2-725

- Read client user id 2-732
- Read current users' information 2-724
- Read current users' information (extended) 2-732–2-733
- Read disc free space 2-730
- Read disc information 2-724
- Read file server date and time 2-725
- Read file server version number 2-729
- Read object information 2-726–2-727
- Read random access information 2-723
- Read single user's environment 2-729
- Read single user's information (extended) 2-733
- Read user environment 2-728
- Read user free space 2-731
- reply ports 2-705
- Rx headers 2-706
- Save file 2-713–2-714
- Set file server date and time 2-730–2-731
- Set object attributes 2-727
- Set random access information 2-723
- Set user boot option 2-728
- Set user free space 2-732
- Tx headers 2-705
- user identifiers 2-708
- file servers 2-3, 2-739–2-740
 - adding 2-377
 - currently selected 2-350–2-353, 2-379, 2-382
 - disc configuration 2-724
 - disc names – adding 2-368, 2-377
 - errors 2-737–2-738
 - free space 2-381, 2-731–2-732
 - listing 2-345, 2-360–2-363, 2-370, 2-375, 2-385
 - logging off 2-107, 2-188, 2-348, 2-378, 2-729, 2-736
 - logging on 2-348, 2-383, 2-386, 2-712, 5a-543, 5a-554
 - operations 2-344, 2-346, 2-358, 2-366, 2-391
 - passwords 2-389, 2-734–2-735
 - port number 2-630
 - selecting 2-345, 2-351, 2-353, 2-379, 2-382
 - shutting down 2-736
 - time 2-725, 2-730–2-731
 - unique identifier for objects 2-373
 - users

- adding 2-735
 - ID 2-372, 2-732
 - information 2-729, 2-733
 - listing 2-724, 2-732–2-733
 - privilege 2-736
 - removing 2-736
 - version 2-729
- File Transfer Protocol *see* FTP
- File\$Path variable 2-17, 2-18–2-19, 2-174, 4-505, 5a-670
- File\$Type... variables 1-267, 2-186, 3-50, 4-504, 4-552, 4-565
- FileCore 1-202, 2-4–2-5, 2-6, 2-197–2-263, 2-324, 2-332
- FileCore modules 2-4
 - adding 2-5, 2-101, 2-198, 2-228–2-229, 2-531, 2-597–2-606, 5a-174, 5a-265–5a-268
 - descriptor block 2-597, 5a-176, 5a-265
 - flag bits 2-598, 5a-176, 5a-265, 5a-673
 - initialising 2-597, 5a-265
 - interfaces 2-602–2-606
 - private word 2-198, 2-229, 2-598, 5a-266, 5a-267
 - removing 2-599
 - SWI handling 2-599, 5a-267, 5a-268
- FileInfo module 5a-658
- Filer module 2-7, 2-327, 2-499–2-512, 3-240
 - shutting down 2-503
- Filer_Action 1-5, 2-7, 2-513–2-520, 3-233–3-235
 - initialising 2-513, 2-520
- Filers 2-7, 2-327, 2-332, 2-499–2-512, 3-231–3-232, 5a-487
 - initialising 2-500–2-502, 3-240
 - path variables 2-416
 - resources 2-416
 - ‘Share’ menu entry 5a-474
 - shutting down 2-503
- files
 - addresses 1-185, 2-15–2-16, 2-35, 2-36, 2-38, 2-46, 2-74, 2-159, 2-168, 2-169, 2-556–2-557, 2-558, 2-561, 2-574, 2-576, 2-712, 2-727
 - appending to 2-143, 2-190, 3-52, 5a-670
 - attributes 1-185, 2-15, 2-32–2-34, 2-36, 2-38, 2-46, 2-74, 2-108, 2-141, 2-146, 2-154, 2-168, 2-169, 2-517, 2-539, 2-556, 2-558–2-559, 2-561, 2-569, 2-574, 2-576, 2-712, 2-727, 5a-373–5a-374, 5a-380, 5a-479, 5a-672
 - block size 2-48, 2-542, 2-562
 - boot 1-866, 1-978, 2-30, 2-99, 2-149, 2-152, 2-167, 2-179, 4-353, 4-356
 - buffer allocation 1-351, 2-538, 2-598

buffers 2-305
canonicalised names 2-58, 2-121, 2-539–2-540, 2-578–2-580
closing 1-185, 2-26, 2-75–2-77, 2-100, 2-106, 2-107, 2-120, 2-148, 2-187, 2-188, 2-251, 2-252,
2-256, 2-348, 2-378, 2-534, 2-550, 2-554, 2-575, 2-719, 3-228, 5a-195, 5a-201, 5a-476
copying 2-110–2-112, 2-154–2-156, 2-414, 2-517, 5a-670
counting 2-114, 2-157, 2-517
creating 1-185, 2-41, 2-145, 2-159, 2-189, 2-560, 2-718, 2-731, 3-52, 5a-670
data format 2-217
deleting 1-185, 2-40, 2-113, 2-162, 2-181, 2-195, 2-517, 2-559, 2-728, 5a-423, 5a-455, 5a-670
disc holding 2-135
displaying 2-164, 2-173, 2-180, 2-192, 5a-670
format 2-150, 2-497
end-of-file 2-27, 2-56, 2-545, 2-551, 2-589, 2-725
ensuring 1-185, 2-552
EOF-error-on-next-read flag 2-54, 2-60, 2-63, 2-65, 2-68, 2-69, 2-538, 2-545, 2-590
execing 1-868, 1-876, 1-908, 1-927, 1-957, 4-354
finding by name 2-517, 5a-670
finding by offset within image 2-137, 2-587–2-588, 5a-673
flushing 2-62, 2-551
handles 2-76, 2-78, 2-542
hexadecimal dump 2-164
laying out 2-239
length 2-38, 2-46, 2-53, 2-54, 2-74, 2-79, 2-159, 2-168, 2-169, 2-538, 2-547, 2-548, 2-549–
2-550, 2-552, 2-558, 2-574, 2-576, 2-589, 2-590, 2-712, 2-723
loading 2-15–2-16, 2-17–2-19, 2-32–2-34, 2-43, 2-174, 2-183, 2-512, 2-562, 2-715, 2-718,
2-739–2-740, 3-249, 4-350, 4-369, 4-504, 5a-670
maximum size *see* discs (largest creatable object)
moving 2-111, 2-155, 2-517, 5a-670
names 2-12–2-14, 5a-670
obeying 4-354, 4-358, 5a-680
opening 1-185, 2-75, 2-78–2-79, 2-145, 2-541–2-543, 2-718, 3-51, 3-52, 5a-670, 5a-673
overwriting 2-111, 2-145, 2-189
reading 2-63, 2-66–2-67, 2-69, 2-544–2-545, 2-589, 2-719–2-721, 5a-670
example code 2-591–2-596
renaming 1-185, 2-109, 2-155, 2-182, 2-568, 5a-670
running 1-329, 1-496, 1-959, 2-15–2-16, 2-17–2-19, 2-87–2-88, 2-167, 2-183, 3-262, 4-350,
4-369, 4-504, 5a-670
saving 2-32–2-34, 2-35, 2-185, 2-555, 2-713–2-714, 3-52, 3-248–3-249, 4-368, 5a-670
selecting 2-515
sequential pointer 2-51, 2-52, 2-79, 2-538, 2-545, 2-547, 2-548–2-549, 2-550, 2-589, 2-590,
2-723

- size allocated 2-55, 2-57, 2-538, 2-547, 2-550, 2-723
- spooling to 1-506, 1-512–1-513, 1-528, 1-957, 2-189, 2-190, 2-497, 5a-670
- stamp 2-16, 2-35, 2-36, 2-46, 2-74, 2-156, 2-168, 2-169, 2-186, 2-191, 2-346, 2-347, 2-517, 2-553, 2-555, 2-576, 2-712, 2-727
- status 5a-388
- stream status word 2-60
- system internal name 2-74, 2-576
- temporary 4-507
- truncating names 2-153
- types 2-16, 2-35, 2-36, 2-46, 2-74, 2-87, 2-102, 2-116, 2-123, 2-168, 2-169, 2-186, 2-327, 2-517, 2-712, 2-727, 3-50, 3-260, 4-504, 4-551, 4-565–4-568
 - listing all 2-186
 - mapping to DOS extensions 2-333, 2-342
 - naming 1-267
- writing 1-185, 2-65, 2-66–2-68, 2-143, 2-145, 2-189, 2-190, 2-546–2-547, 2-553, 2-588, 2-720, 2-722–2-723, 5a-670
 - example code 2-591–2-596
- FileSwitch 1-80, 2-3, 2-324, 2-325, 2-332, 5a-687–5a-688
- FileSwitch\$... variables 2-14, 4-503
 - FileSwitch\$SpecialField 2-20
- FileV 1-80, 1-81, 2-32
- filing systems
 - adding 2-4, 2-11, 2-96, 2-531–2-596, 4-553, 5a-261–5a-264, 5a-474
 - address of 2-104
 - background transfers 2-229, 5a-673
 - booting from 2-99, 2-569
 - checking for presence 2-97
 - currently selected 4-503
 - declaring 2-25, 2-96, 2-532, 2-534
 - diagram 2-9
- Free module
 - deregistering from 2-526
 - registering with 2-522–2-525, 5a-260
 - support routines 2-522–2-525, 5a-260, 5a-673
- information block 2-96, 2-532
- information word 2-60, 2-105, 2-532–2-533
 - extra 2-533
- initialising 2-96, 2-532
- interfaces 2-541–2-590, 5a-262–5a-264
 - introduction 2-537–2-540
- internal file handles 2-105

- introduction 2-3–2-9
- locking *see* FSLock
- message level 2-29, 2-94, 2-178
- names 2-118, 4-553
- numbers 2-21, 2-118, 4-553, 5a-671
- private word 2-96, 2-538
- reading information 2-70
- re-entrancy 2-22
- removing 2-100, 2-534
- selecting 1-956, 2-3, 2-13, 2-14, 2-83, 2-98, 2-151, 2-304, 2-322, 2-383, 2-388, 2-425, 2-428, 2-534, 2-575, 2-599, 5a-197, 5a-480
- service call handler 2-534
- shutting down 2-100, 2-107, 2-534, 2-574
- stack 2-537
- temporary 2-14, 2-51, 2-95, 2-100, 2-103, 2-104, 4-503
- FilingSystem\$Path_Message* variables 4-504
- Filter Manager 3-82, 3-222–3-223, 3-301–3-310
 - dying 3-303
 - starting 3-302
- FindV 1-80, 1-82
- FIQ mode 1-12, 1-14, 1-114, 1-115, 4-370, 5a-14, 5a-22, 5a-28
- FIQ vector 1-115, 1-133
 - claiming 1-133, 1-137–1-138, 5a-28–5a-29
 - pre-veneers 5a-27
 - releasing 1-134, 1-136
- flex 1-348
 - advantages 1-349, 1-352
 - description 1-352
 - limitations 1-352
- floating point 1-114, 4-169–4-190, 5a-4
 - available systems 4-170
 - C flag 4-178, 4-188
 - control register 4-170, 4-180–4-182
 - coprocessor data operation instructions 4-186–4-188
 - coprocessor data transfer instructions 4-183–4-184
 - coprocessor multiple data transfer instructions 4-184–4-185
 - coprocessor register transfer instructions 4-186
 - coprocessor status transfer instructions 4-188–4-189
 - denormalised numbers 4-177
 - division by zero 4-179
 - exponents 4-172–4-175

- IEEE system 4-170–4-182
- inexact results 4-180
- infinities 4-172–4-175, 4-179
- instruction set 4-183–4-189
- invalid operations 4-179
- literals 4-184
- NaNs 4-172–4-175, 4-177, 4-179
- number formats 4-171–4-175
 - double extended precision 4-173
 - expanded packed decimal 4-175, 4-178
 - IEEE double precision 4-172
 - IEEE single precision 4-172
 - packed decimal 4-174, 4-178
- overflow 4-180
- precision 4-171
- registers 4-170
- status register 4-170, 4-176–4-180
 - cumulative exception flags byte 4-170, 4-178–4-180
 - exception trap enable byte 4-170, 4-176
 - system control byte 4-177–4-178
 - system ID byte 4-176
- synchronous operation 4-178
- undefined instructions 4-184
- underflow 4-180
- version of emulator 4-190
- writeback 4-183, 4-185
- FN key 1-878
- Font Manager 1-98, 3-411–3-528, 5a-688–5a-689
 - version 3-426
- Font\$Path variable 2-416, 3-418–3-419, 3-425, 3-459, 3-476, 3-522, 3-523, 3-525, 5a-548
- Font\$Prefix variable 2-416, 3-418–3-419, 3-523
- FontDbox module 5a-658
- FontMenu module 5a-658
- FontPrint application 3-260–3-262, 3-599
- fonts
 - adding 5a-548–5a-549
 - age of 3-420, 3-433
 - anti-alias palette 3-421, 3-463–3-464
 - anti-aliasing 3-411, 3-449–3-451, 3-461–3-468, 3-473, 3-512–3-513, 3-585
 - availability 3-418–3-419, 3-425, 3-522–3-523, 3-525, 5a-677
 - bitmaps 3-411, 3-442, 3-474–3-475, 3-510–3-511, 3-514–3-515

- bounding boxes 3-423, 3-434, 3-442, 3-454–3-455
- cache 3-412, 3-413, 3-420–3-421, 3-424, 3-478
 - altering 3-476–3-477, 3-514–3-515
 - amount used 3-426, 3-524
 - free space 3-420, 3-524
 - loading from file 3-421, 3-526, 5a-677
 - saving to file 3-421, 3-527, 5a-677
 - size 3-420, 3-426, 3-508–3-509, 3-520, 3-524
- colours 3-100, 3-218–3-219, 3-339, 3-368–3-371, 3-413, 3-421–3-422, 3-440, 3-449–3-451, 3-461–3-462, 3-497–3-500, 3-579, 3-585
- control sequences 3-414, 3-422, 3-437–3-443
- desktop *see* Wimp (fonts)
- encodings 3-430, 3-433, 3-491, 3-501–3-502
- files 3-416–3-417
 - finding 3-481–3-482
- finishing using 3-419, 3-431
- FontMax values 3-478–3-480, 3-510–3-519
- handles 3-56, 3-168, 3-419, 3-422, 3-428–3-430, 3-449–3-451
- hints 3-411
- identifiers 3-417, 3-429, 3-433, 3-458–3-460, 3-503–3-505
- information – reading 3-423, 3-432–3-433, 3-506–3-507
- justification 3-422, 3-436, 3-438–3-439, 3-528
- kerning 3-422, 3-486–3-489
- listing 3-418, 3-420, 3-425, 3-458–3-460, 3-521, 3-524
- masters 3-417
- menus 3-418, 3-458–3-460, 3-490–3-491
- Messages files 3-417
- metrics 3-415, 3-423, 3-486–3-489
- names 3-417, 3-429, 4-556
- outputting 3-414, 3-422, 3-437–3-443, 3-585
 - to a buffer 3-483–3-485
- qualifiers 3-428–3-430
- reference counts 3-56, 3-168
- rubout boxes 3-422, 3-438–3-439
- scaffolding 3-442
- selecting 3-420, 3-428–3-430, 3-448, 3-461–3-462
- slaves 3-417
- split character 3-435, 3-494
- strings
 - bounding boxes 3-471–3-472, 3-494
 - information 3-492–3-495

- width 3-435–3-436
- subpixel scaling 3-441, 3-474–3-475, 3-516–3-519
- subscripts 3-441
- substrings 3-440
- superscripts 3-441
- text direction 3-440, 3-494
- threshold values 3-422, 3-465–3-468
- transformation matrices 3-422, 3-429, 3-433, 3-439, 3-494
- underline position 3-422, 3-441
- underline thickness 3-422, 3-441
- usage count 3-420, 3-433, 3-524
- Wimp *see* Wimp (fonts)
- WIMPSymbol 5a-489
- Fonts application 3-275, 5a-548–5a-549
- form feed 1-570, 1-580, 3-723, 5a-679
- formats
 - logical layout 5a-172
- FormEd 3-55
- Free module 2-521–2-527, 5a-259–5a-260
- free pool *see* dynamic areas (free pool)
- Freeway 5a-473
 - objects 5a-478
- FSCV 1-82, 2-80
- FSLock 5a-247–5a-258
 - locked filing system 5a-253–5a-255
 - locking 5a-253–5a-254, 5a-256
 - password 5a-250, 5a-253–5a-255
 - status 5a-250, 5a-252, 5a-257
 - unlocking 5a-253–5a-254, 5a-258
 - version 5a-251
- FTP 4-517, 5a-339, 5a-352
- function keys 1-318, 1-871, 1-872–1-873, 1-885, 1-916, 1-923, 1-952, 3-38, 3-41, 3-119
 - defaults 1-890
- G
- Gateway application
 - Configure file 5a-289
 - Map file 5a-288–5a-289
 - Trace file 5a-301
- GBPBV 1-80, 1-81, 2-66
- graphics 1-554
 - changed box 1-567, 1-752

- clearing 1-566, 1-584
- dot-dash line style 1-564, 1-567, 1-597, 1-603, 1-703
- dragging 5a-515–5a-520
 - see also* sprites (dragging)
- horizontal line draw routine 1-732
- origin 1-567, 1-597, 1-631, 1-634
- plotting 1-566, 1-628–1-630, 1-744, 5a-115
- graphics hardware – replacing 1-106, 1-110
- group ids 5a-392–5a-393, 5a-405
- H
- half word
 - definition 4-419
- handlers 1-115–1-116, 1-287, 1-292–1-298
 - address exception 1-293, 1-305, 1-320, 4-239
 - break point 1-293, 1-309, 1-310, 1-320, 4-239
 - CallBack 1-295, 1-307, 1-313, 1-320, 1-340
 - data abort 1-293, 1-305, 1-320, 4-239
 - defaults 1-292, 1-326
 - entry conditions 1-293
 - error 1-43, 1-45, 1-260, 1-293, 1-299, 1-320, 2-103, 3-73
 - escape 1-294, 1-299, 1-320, 1-867, 1-875, 1-895, 1-896, 1-897
 - event 1-294, 1-299, 1-320
 - exit 1-295, 1-303, 1-305, 1-320, 1-323, 2-85
 - installing 1-320
 - prefetch abort 1-293, 1-305, 1-320, 4-239, 4-389
 - undefined instruction 1-293, 1-305, 1-320, 4-239, 4-389
 - unused SWI 1-295, 1-312, 1-320, 5a-668
 - UpCall 1-295, 1-320, 2-87, 2-111
- hardware exception vectors 1-113
- hardware vectors 1-113–1-116, 5a-15, 5a-27
 - claiming 1-115, 5a-30–5a-31
 - passing on a call 1-116
 - priorities 1-116
 - releasing 1-116
 - see also* exceptions
- headphones 4-3, 4-24, 4-59, 4-64, 5a-679
- heaps 1-343, 3-58, 3-59, 3-204
 - claiming blocks 1-379
 - describing 1-378
 - descriptor 1-344, 1-355
 - extending 1-382

- extending blocks 1-381
- fragmentation 1-344
- free list 1-355
- freeing blocks 1-380
- initialising 1-377, 5a-44
- internal format 1-354
- manager 1-344, 1-354–1-355
- reading size of blocks 1-383
- system 1-357
 - configured size 1-406

help

- commands 1-980

Help application 3-240, 3-242–3-243

- listing formats 2-504–2-505

HIMEM (BASIC keyword) 3-204

hosts *see* Internet (hosts)

hourglass 1-101, 2-745–2-758, 3-43

- colours 2-755

- display indicators 2-754, 2-759–2-760

- percentages 2-752–2-753, 2-757–2-758, 2-759

- turning off 2-748–2-750

- turning on 2-746–2-747, 2-751

I

I/O Podule 5a-638–5a-639

ICMP 5a-361

icon bar 3-20

- adding directories etc 3-292

- removing directories etc 3-296

Iconbar module 5a-658

icons 3-20–3-25

- action 3-38

- Adjust Size 3-17, 3-28, 3-116

- aligning 5a-490

- applications 3-33, 3-50

- Back 3-15, 3-27

- blocks 3-93–3-103

- border types 3-102

- bounding box 3-21

- button types 3-22, 3-97

- Close 3-15, 3-27, 3-116, 3-254

- creating 3-20–3-23, 3-24, 3-93–3-104, 5a-495, 5a-675

- data 3-22–3-23, 3-98
- deleting 3-24, 3-107
- dialogue boxes 3-33
- error 3-33
- exclusive selection groups 3-22, 3-39, 3-96, 3-101, 3-118, 3-160, 5a-495
- Filer 3-32
- flags 3-21–3-22, 3-96, 3-136, 3-138, 3-159
- icon bar 3-32, 5a-491, 5a-674
- identifying 3-159–3-160
- menus 3-33
- option 3-33, 3-39
- pinboard 3-33
- plotting 3-183–3-184
- pointer 3-33
- radio 3-33, 3-39
- resizing 5a-509–5a-510
- resolution 3-31–3-32
- selecting 3-22
- state 3-136–3-139
- text and sprite 3-103, 5a-491
- 3D 3-34, 5a-490
- Toggle Size 3-16, 3-27
- validation strings 3-99–3-103, 5a-491, 5a-495, 5a-675
- width 5a-491
- writable 3-23, 3-38, 3-41
- IDE bus
 - locking 5a-188
- IDE low-level commands 2-300
- IIC bus 1-977, 5a-670
- image files
 - closing 2-26, 2-536, 2-555, 2-578
 - creating 2-577–2-578
 - laying out 2-331, 2-338–2-339
 - structure specifiers 2-339
 - used space map 2-131
- image filing systems 2-6, 2-323–2-332
 - adding 2-6, 2-119, 2-326, 2-535–2-596
 - declaring 2-119, 2-535
 - formatter 2-6, 2-324, 2-325, 2-329–2-331, 2-504–2-505
 - identifier 2-6, 2-324, 2-325, 2-327–2-329
 - image handler 2-6, 2-324, 2-325, 2-327

- image stamp 2-59, 2-136, 2-554, 2-585–2-586
- information block 2-119, 2-535
- information word 2-536
- initialising 2-119, 2-535
- interfaces 2-541–2-590, 5a-262–5a-264
 - introduction 2-537–2-540
- maximum size *see* discs (largest creatable object)
- numbers 5a-671
- private word 2-119, 2-538
- removing 2-120, 2-536
- service call handler 2-536
- shutting down 2-120, 2-536
- stack 2-537
- Inet\$HostName variable 5a-396, 5a-416
- Inet\$UserName variable 5a-416
- InetDBase\$Path variable *see* Internet (hosts / networks / protocols / services data base)
- Inetlib 5a-305–5a-306, 5a-307, 5a-334–5a-337, 5a-367–5a-460
 - index 5a-367–5a-370
- input buffer full event 1-155
- Insert key 1-923, 1-952, 3-120
- InsV 1-77, 1-82, 1-88, 4-85, 4-90, 4-93, 5a-215, 5a-667
- International module 3-767–3-792
- internationalisation 2-417, 3-57, 3-745–3-856, 5a-589
- Internet 2-685, 5a-305–5a-472
 - addresses 5a-285, 5a-287–5a-290, 5a-298, 5a-309, 5a-310–5a-314, 5a-327, 5a-328, 5a-334–5a-335, 5a-350–5a-352, 5a-394–5a-395, 5a-398–5a-399, 5a-419–5a-420, 5a-428–5a-429, 5a-467
 - default 5a-290
 - enumerating 5a-272
 - INADDR_ANY 5a-310, 5a-351, 5a-364
 - INADDR_BROADCAST 5a-353
 - wildcards 5a-310, 5a-351, 5a-364
- application 5a-306
- bibliography 5a-307
- byte order 5a-312, 5a-337, 5a-378, 5a-398–5a-399
- clients 5a-327–5a-329, 5a-339, 5a-341–5a-342
- connections *see* sockets (connections)
- domains *see* domains
- errors 5a-384–5a-387, 5a-421, 5a-459, 5a-469
 - EACCES 5a-373, 5a-444
 - EADDRINUSE 5a-365, 5a-366, 5a-375, 5a-383

EADDRNOTAVAIL 5a-361, 5a-363, 5a-365, 5a-366, 5a-375, 5a-382
EAFNOSUPPORT 5a-382
EAGAIN 5a-437
EALREADY 5a-383
EBADF 5a-372, 5a-375, 5a-382, 5a-401, 5a-409, 5a-412, 5a-424, 5a-435, 5a-439, 5a-441,
5a-442, 5a-446, 5a-447, 5a-449, 5a-451, 5a-453
ECONNREFUSED 5a-328, 5a-329, 5a-365, 5a-383, 5a-424
ECONNRESET 5a-365
EFAULT 5a-372, 5a-375, 5a-383, 5a-401, 5a-409, 5a-412, 5a-435, 5a-441, 5a-449, 5a-453
EHOSTDOWN 5a-328
EHOSTUNREACH 5a-328
EINPROGRESS 5a-383
EINTR 5a-449
EINVAL 5a-363, 5a-375, 5a-439, 5a-447, 5a-449, 5a-453
EIO 5a-449, 5a-453
EISCONN 5a-361, 5a-363, 5a-365, 5a-366, 5a-382
EMFILE 5a-444
EMSGSIZE 5a-441
ENETDOWN 5a-328
ENETUNREACH 5a-328, 5a-383
ENOBUFS 5a-326, 5a-361, 5a-363, 5a-365, 5a-366, 5a-401, 5a-409, 5a-441, 5a-444
ENOENT 5a-373
ENOPROTOOPT 5a-412
ENOTCONN 5a-361, 5a-363, 5a-366, 5a-401, 5a-442
ENOTSOCK 5a-442
ENOTTY 5a-447
EOPNOTSUPP 5a-372, 5a-424
EPIPE 5a-314, 5a-330, 5a-453
EPROTONOSUPPORT 5a-326, 5a-444
EPROTOTYPE 5a-326
EREMOTE 5a-427
ESRCH 5a-427
ETIMEDOUT 5a-328, 5a-329, 5a-365, 5a-383, 5a-444
EWOULDBLOCK 5a-357, 5a-358, 5a-372, 5a-435, 5a-441, 5a-449, 5a-453
host byte order *see* Internet (byte order)
hosts
 data base 5a-335, 5a-394–5a-395
 names 5a-312, 5a-335, 5a-341, 5a-394–5a-396, 5a-416, 5a-428–5a-429
libraries *see* Inetlib, Socklib *and* Unixlib
module 5a-285, 5a-305
multitasking 5a-307, 5a-357–5a-360

networks

- addresses *see* Internet (addresses)

- byte order *see* Internet (byte order)

- connected ones 5a-345

- data base 5a-335, 5a-398–5a-399

- names 5a-335, 5a-398–5a-399

- packet forwarding 5a-471

peer

- getting name 5a-401

- port numbers 5a-309, 5a-310, 5a-312, 5a-327, 5a-328, 5a-336, 5a-350–5a-352, 5a-407–5a-408

- privileged 5a-351, 5a-437

- protocols 5a-305, 5a-307, 5a-309, 5a-310, 5a-325, 5a-326, 5a-339, 5a-361–5a-366, 5a-466

- checksums 5a-470

- data base 5a-336, 5a-403

- names 5a-336, 5a-403–5a-404

- numbers 5a-326, 5a-336, 5a-350, 5a-403–5a-404

- PF_INET 5a-443

- see also* protocol names (*eg* TCP)

- servers 5a-327–5a-329, 5a-339–5a-341, 5a-342–5a-345

services

- data base 5a-336, 5a-407–5a-408

- names 5a-336, 5a-339, 5a-341, 5a-407–5a-408

- signals 5a-346

- statistics 5a-472

- transport layer 5a-362

- tutorials 5a-307, 5a-308–5a-360

- user names 5a-397, 5a-405, 5a-416

- see also* sockets

Internet Control Message Protocol *see* ICMP

Internet event 5a-321, 5a-345–5a-347, 5a-357

Internet Protocol *see* IP

Internet receive event 1-161, 5a-667

Internet transmission status event 1-161, 5a-667

interrupts 1-119–1-145, 1-147, 5a-22, 5a-27

- clearing 1-131

- device drivers 1-120–1-131

- entry conditions 1-128

- restrictions 1-128

- device numbers 1-120–1-121, 5a-33, 5a-667

- device vectors 1-120–1-131

- claiming 1-122, 1-123–1-124

- releasing 1-122, 1-125–1-126
 - disabling 1-134–1-141, 1-220
 - enabling 1-139
 - error handling 1-130
 - OS_Byte calls 1-51
 - requests 1-115, 1-119
 - speed of handling 1-128
 - unknown 1-86
- interval timer event 1-156
- IntKey application 3-786
- IOC 1-9, 1-17–1-18, 1-115, 1-127, 4-6, 5a-7
 - address 1-143
 - registers 1-143–1-144
- IOEB ASIC 1-750, 5a-223
- IOMD 5a-3, 5a-7–5a-8, 5a-33, 5a-223, 5a-232, 5a-235
- IP 5a-279, 5a-285, 5a-294, 5a-362–5a-363, 5a-366, 5a-473
- IRQ mode 1-12, 1-14, 1-15, 1-115, 1-127, 1-128, 4-370, 5a-14, 5a-22
- IRQ vector 1-115, 1-127
- IRQUtils 1-122
- IrqV 1-77, 1-80, 1-86, 1-115, 1-127
- ISO 9660 5a-193
 - see also* CD-ROMs
- J
 - JFIF *see* JPEGs (JFIF)
- joysticks 4-217–4-219, 5a-8, 5a-637–5a-652
 - calibrating 5a-638, 5a-651–5a-652
 - channels 5a-639, 5a-640, 5a-642–5a-645
 - connector 5a-638
 - reading state of 4-218–4-219, 5a-638, 5a-639, 5a-642–5a-644, 5a-647–5a-650
 - resolution 5a-646
- JPEGs
 - bibliography 5a-146
 - compressing 5a-617–5a-623
 - compression method 5a-618
 - decompressing 5a-153–5a-160
 - dithering 5a-147–5a-148
 - information on 5a-149–5a-152
 - JFIF 5a-146–5a-147
 - plotting 5a-153–5a-160
 - printing *see* printing (JPEGs)
 - restrictions 5a-145

- scaling 5a-153–5a-156
- standards 5a-146
- transforming 5a-157–5a-160

K

kbd: 2-495, 2-496

kernel

- introduction 1-3

key numbers

- low-level 1-158

key up/down event 1-158, 1-869

Key\$... variables 1-318, 1-873, 1-890, 1-952, 3-120

keyboard 1-158, 1-864–1-867, 1-869–1-876, 5a-231–5a-233, 5a-240–5a-241

- auto-repeat 1-865, 1-871, 5a-233

 - defaults 1-888, 1-948, 1-950

 - delay 1-886, 1-904, 1-948

 - disabling 1-886, 1-948

 - rate 1-888, 1-906, 1-950

- buffer codes 1-865, 1-922–1-924

- currently selected 3-770, 3-778, 3-780–3-781, 3-789–3-790, 3-791–3-792, 3-797, 3-831

- default 3-786–3-787

- device driver 5a-232–5a-233, 5a-240–5a-241

- disable flag 1-870, 1-912

- driver 1-869, 3-786, 5a-233

- handler 1-865, 1-869, 1-871, 1-879, 1-945, 3-770, 3-778, 3-794, 3-797, 3-831, 5a-233, 5a-590

- ID 1-879, 1-945, 3-783, 3-786, 3-789

- interface 1-17, 5a-8, 5a-232

- internal key numbers 1-877–1-878

- LEDs 1-870, 1-891

- low level key codes 1-865, 1-869, 1-870, 5a-233

- numeric keypad 1-872, 1-931, 1-937

- presence 5a-240–5a-241

- scanning 1-865, 1-870, 1-892–1-894, 1-899–1-901, 5a-240–5a-241

- selecting 3-770, 3-778, 3-780–3-781, 3-789–3-790, 3-791–3-792, 3-797, 3-831, 5a-590

- status 1-870, 1-914, 5a-240

- types 5a-233

KeyV 5a-232–5a-233, 5a-235

L

LCD

- grey-scaling 4-206

- powering down 4-210–4-211

LCD ASIC 1-750, 5a-223

leafname 2-12

LIB_

name of ALF files 4-422

LIB_DATA 4-438

LIB_DIRY 4-436

LIB_VSRN 4-438

library 2-130, 2-138, 2-140, 2-176, 2-219

currently selected 2-14, 2-70, 2-84, 2-172, 2-260, 2-380, 2-383, 2-386, 2-387, 2-390, 2-564,
2-571, 2-705, 2-712, 2-713, 2-728, 4-503, 5a-205

language 1-297, 1-346

listing 2-91, 2-92, 2-170, 2-171, 2-566–2-567

privilege 2-70, 2-571

selecting 2-84, 2-172, 2-260, 2-348, 2-380, 2-383, 2-386, 2-387, 2-390, 2-564, 2-705, 2-712,
2-713, 5a-205

default 2-219

linefeed 1-563, 1-570, 1-578, 1-942, 2-145

linker pre-defined symbols 4-433

little endian 4-419

M

machine

ID 1-750, 5a-223

type 1-968

Maestro application

file format 4-494–4-498

MakePSFont module 3-741–3-742

malloc 1-347, 1-348

allocation of blocks 1-349

block alignment 1-349

fragmentation of heap 1-352

guard constant 1-349

heap 1-349

RMA usage 1-353

MbufManager module 5a-285, 5a-287

MDFS 2-739

medium

absent 1-183, 1-190, 2-606

not known 2-606

unknown 1-183

MEMC 1-9, 1-18–1-21, 1-114, 1-343, 1-345, 1-359, 4-6, 4-198, 5a-7, 5a-223, 5a-632

DAG 4-6

protection modes 1-20

- updating control register 1-373
- memory
 - allocation
 - controlling 1-358, 1-384, 5a-43, 5a-53
 - example 1-357
 - reading 1-396, 5a-43
 - applications 3-53, 5a-496, 5a-546
 - arrangement table 5a-67–5a-68
 - clearing 1-874, 1-911
 - counting pages 1-391
 - deallocated blocks – avoiding references 1-347
 - disassembling 4-237–4-238
 - displaying values in 4-233–4-238
 - editing contents of 4-235–4-236
 - efficient use 1-346, 1-348, 5a-39
 - fonts 3-243, 3-317
 - initialising 4-232
 - limit 1-301, 1-305, 1-320
 - loss – avoiding 1-347
 - lost blocks – searching for 1-347
 - low amounts 1-346
 - management 1-343–1-407, 3-53–3-54, 5a-37–5a-72
 - map 1-18–1-21, 1-356, 3-53, 5a-41
 - altering 1-357, 1-359, 1-384, 1-394, 3-66, 4-198, 5a-43, 5a-48–5a-49, 5a-53, 5a-83
 - initialisation 1-356
 - reading mapping 1-392, 1-398
 - validating addresses 1-386
 - MMU control register 5a-71–5a-72
 - moving 1-198
 - page size 1-19, 1-358
 - reading 1-391
 - page table 5a-37
 - protection 1-358
 - protection levels 1-20
 - saving to file 2-35, 2-185
 - screen 1-343, 1-357, 1-359, 1-557, 1-564, 1-725, 1-743, 1-748, 3-185, 5a-669
 - size 5a-69
 - sprites 1-564, 1-783, 1-843, 3-243, 3-317
- Menu module 5a-658
- menus 3-34–3-35, 5a-490–5a-491
 - blocks 3-154

- closing 3-155, 3-240, 3-749
- creating 3-35, 3-153–3-157, 3-458, 3-749, 3-756–3-758, 5a-495
- keyboard short-cuts 3-37, 5a-490
- scroll bar 3-155
- selecting from 3-35, 3-120–3-121, 3-158, 3-220–3-221, 3-237, 3-490, 5a-675
- state 3-220–3-221, 3-749
- submenus 3-35
 - auto-opening 3-265, 3-270, 3-272
 - creating 3-196–3-197, 3-237
- title bar 3-155
- message files 3-745, 3-795, 5a-679
 - buffer sizes 3-750
 - buffering 3-749, 3-752–3-753
 - closing 3-67, 3-748, 3-749, 3-759
 - descriptor 3-746
 - format 3-746–3-747
 - global 3-746
 - information 3-750
 - lookup 3-754–3-755, 3-762–3-765
 - opening 3-752–3-753
 - parameter substitution 3-747
 - tokens 3-745, 3-746–3-747
 - alternatives 3-746
 - listing 3-760–3-761
- messages 3-6, 3-228–3-264
 - acknowledging 3-124, 3-194
 - adding to a task 3-224
 - applications 3-241–3-243
 - data transfer 3-247–3-254
 - desktop saving 3-243–3-245
 - device claiming 3-245–3-247
 - Filer 3-231–3-236
 - iconising 3-254–3-256, 5a-675
 - NetFiler 3-236–3-237
 - numbers 4-552
 - printing 3-256–3-262, 3-568
 - removing from a task 3-225
 - running files 3-262
 - sending 3-123–3-124, 3-193–3-195, 5a-675
 - system 3-228–3-231
 - task windows 3-263–3-264, 5a-676, 5a-677

- Wimp 3-237–3-240
- MessageTrans 3-67, 3-745–3-766
 - default strings 3-747
 - error returning 3-762–3-763, 3-766
- MIDI 4-12
- MIDI event 1-160
- millipoints 3-412, 3-415, 3-567
- mode selectors 5a-104
- mode specifiers 5a-105, 5a-112
 - finding 5a-138
- mode strings 5a-105
- ModeInfo files 5a-106–5a-107, 5a-108, 5a-654
 - loading 5a-142
- modems 1-504
- Module\$...* variables 4-554
- modules 1-38, 1-201–1-286
 - command table 1-216–1-219, 1-959, 5a-35–5a-36, 5a-668
 - creating 1-241, 1-242
 - disabling 1-206, 1-285
 - ensuring 1-206, 1-273, 3-58, 3-245
 - environment string 1-211
 - errors 1-207, 1-211, 1-213, 1-229, 1-269
 - expansion cards'
 - adding 1-248
 - extension ROMs'
 - adding 1-248
 - faster running 1-274
 - header format 1-208, 5a-35–5a-36
 - help string 1-215, 1-980
 - help table 1-216–1-219, 1-980, 5a-35–5a-36, 5a-668
 - initialisation code 1-210
 - initialising 1-205, 1-210, 1-231, 1-232, 1-268, 1-278, 1-281, 1-348, 3-61
 - inserting 1-275
 - instantiations 1-202
 - creating 1-245
 - preferring 1-210, 1-247
 - renaming 1-246
 - introduction 1-3
 - killing 1-116, 1-212, 1-229, 1-235, 1-240, 1-272, 1-277, 1-285, 1-348, 3-54, 3-71, 3-172–3-173, 3-228
 - listing 1-250, 1-252, 1-270, 1-283, 5a-668

- loading 1-231, 1-232, 1-278, 1-281
- memory usage 1-353, 3-66
- message files 5a-35–5a-36
- names 4-554
- OS_Module summary 1-205
- power on default 1-978
- reading information 1-243, 1-249, 1-270, 1-283
- reinitialising 1-234, 1-279
- requirements 1-201
- running 1-209, 1-231, 1-233, 1-281, 3-68, 3-238–3-239
- service call handler 1-213, 2-501, 3-60, 3-68
- start code 1-209
- SWI chunk base 1-220
- SWI decoding code 1-223–1-225
- SWI decoding table 1-222
- SWI handler 1-220–1-222, 5a-668
- tidying 1-206, 1-211, 1-212, 1-239, 1-282, 4-35, 5a-462
- title string 1-215, 1-229, 1-270
- versions 1-205, 1-252, 5a-668
- Wimp tasks 1-297
- workspace allocation 1-237, 1-238, 1-244
- workspace pointer 1-207, 1-212, 1-270

monitor

- alignment 1-553, 1-557, 1-671, 1-767, 1-769
- frame rate 5a-126
- interlace 1-553, 1-557, 1-600, 1-671, 1-767, 1-769
- power saving 5a-127, 5a-653–5a-654
- powering down drivers 4-210–4-211
- Super-VGA 1-596, 4-563
- sync type 1-557, 1-749, 5a-107, 5a-126
- title 5a-141
- types 1-553, 1-557, 1-594, 1-645, 1-749, 1-759, 4-561, 5a-108, 5a-114, 5a-142
- VGA 1-596, 4-563

mouse 1-158, 1-552, 1-563, 3-9–3-10

- Adjust button 3-9, 3-15–3-17, 3-22, 3-35, 3-47, 3-117, 3-120–3-121
- bounding box 1-712, 3-36
- buttons 1-726, 3-9, 3-72, 3-117–3-118, 3-140–3-141, 5a-235
- double clicks 3-10, 3-266–3-267
- internal key numbers 1-877
- Menu button 3-120
- multipliers 1-714, 1-761

- position 1-170, 1-564, 1-716, 1-718, 1-726, 3-72, 3-117
- Select button 3-9, 3-15–3-17, 3-22, 3-47, 3-120–3-121
- mouse button event 1-158
- MouseV 1-83
- N
- Net module 5a-285
- NetFS 2-3, 2-343–2-391, 5a-286
 - differences from FileCore based filing systems 2-346
 - selecting 2-383, 2-388
 - shutting down 2-349
 - timeouts 2-345–2-346, 2-356–2-357
- netmask 5a-287
- NetMonitor application 2-621
- NetPrint 2-3, 2-393–2-412, 5a-286
 - timeouts 2-395–2-396, 2-402–2-403
- netprint: 2-495, 2-496
- NetStatus 2-759–2-760
- network device drivers 5a-285, 5a-295, 5a-461
 - driver information block 5a-461–5a-462
 - finalising 5a-464
 - initialising 5a-464
 - listing 5a-463
- network interfaces 2-654–2-656, 5a-627
 - ROM section 5a-628
- new lines 1-519
- Nexus 2-685
- NFS 5a-287
- null: 2-495, 2-496, 2-497
- Num Lock key 1-870, 1-891, 1-915
- numbers
 - formatting 3-844–3-846
- O
- Obey\$Dir variable 3-57, 3-59, 4-354–4-355, 4-501, 4-506
- OBJ_
 - name of AOF files 4-422
- OBJ_AREA
 - areas chunk 4-427
- OBJ_IDFN 4-433
- OBJ_STRT 4-433
- ObjAsm 4-364
- object file

- format 4-423
 - chunk names 4-423
 - type 4-424
 - version ID 4-424
- OFL_SYMT 4-438, 4-439
- OFL_TIME 4-439
- Open Systems 5a-279
- operators 1-457
- OS units 1-594, 3-412, 3-415, 3-535, 3-567, 4-561
- OS_Byte 1-49–1-57, 1-81, 5a-686–5a-687
 - adding calls 1-52, 1-261
 - calling 1-50
 - parameters 1-49
 - printing 3-575
- OS_Word 1-59–1-62, 1-81, 5a-686–5a-687
 - adding calls 1-59, 1-262
 - calling 1-59
 - parameters 1-59
- OSCLI (BASIC keyword) 1-36, 1-955
 - see also* CLI
- output buffer empty event 1-155
- P
- page blocks 5a-42, 5a-64–5a-65
- Page Down key 1-923, 3-120
- page table *see* memory (page table)
- Page Up key 1-923, 3-120
- Paint application 1-775
- palette 1-16, 1-551, 1-559, 1-560, 3-338, 5a-6
 - default 1-560
 - devices 3-377
 - gamma correction 5a-123–5a-124
 - reading 1-105, 1-110, 1-560, 1-704, 1-728, 3-189–3-190, 3-393–3-394, 3-595, 5a-115, 5a-121, 5a-123–5a-124, 5a-675
 - setting 1-105, 1-111, 1-588–1-591, 1-706, 3-47, 3-77, 3-185, 3-187–3-188, 3-230, 3-278, 3-284–3-285, 3-335, 3-340, 3-372, 3-395–3-396, 5a-114, 5a-115, 5a-121, 5a-123–5a-124, 5a-497
- PaletteV 1-85, 1-105, 1-110–1-111, 1-648, 5a-123–5a-124, 5a-667
 - claiming 5a-113
- parallel port 2-5, 2-487–2-494, 5a-216
 - controller 2-490–2-494
 - control register 2-494

- data register 2-492–2-493
 - status register 2-492
- locking 2-491
- transferring data with 2-487–2-488
- parallel: 2-487–2-488, 2-495
- passwords 5a-405–5a-406
 - hiding 1-942, 3-100, 5a-400
- Path (alias) 5a-538
- PathMacro (alias) 5a-539
- pathnames
 - definition 2-12
- paths 2-18–2-20, 2-416–2-417, 2-436, 3-55, 3-59, 4-501, 4-505, 5a-539, 5a-670
- PC Emulator event 1-159
- PDriver\$Address variable 3-623
- PDriver\$For variable 3-623
- PDumperDM\$Extra variable 3-724
- PDumperIW\$Extra variable 3-730
- PDumperLJ\$Extra variable 3-732
- peripheral controllers 1-120, 1-132, 5a-667
 - addresses 1-145
- pinboard 3-291–3-296, 5a-487
 - adding directories etc 3-294
 - starting 3-295
- PipeFS 2-413–2-414
- pipes 2-413–2-414
 - closing 1-192
 - deleting 1-192
- PLOT command 1-97
- pointer 1-552, 1-564, 5a-234–5a-245
 - active point 1-710, 1-815, 3-163
 - device driver 5a-234, 5a-235, 5a-242–5a-243
 - device status 5a-242–5a-243
 - device types 5a-235
 - enumerating 5a-235, 5a-242–5a-243
 - selecting 5a-235, 5a-242–5a-243, 5a-244–5a-245
- linking to mouse 1-658
- position 1-720, 1-722, 3-140–3-141
- serial data formats and protocols 5a-237–5a-239
- shape 1-973, 3-33, 3-43–3-44, 3-163, 3-185
 - defining 1-564, 1-710, 1-815, 5a-118
 - selecting 1-564, 1-658, 3-102

- size 1-710
- switching off 1-564, 1-658, 3-281
- window work areas 3-43, 3-117
- PointerV 5a-234
- Portable BMU interrupt event 1-162
- Portable module 4-205–4-215
- PostScript
 - Encapsulated 3-644, 3-646, 5a-678
 - fonts 3-599, 3-604–3-606, 3-741
 - downloading 3-604, 3-648–3-649
 - names 3-605–3-606
- power on 2-149, 2-152
- PreDesk directory *see* Boot applications (PreDesk directory)
- PreDesktop file *see* Boot applications (PreDesktop file)
- prefetch abort vector 1-114, 5a-23–5a-24
- pre-veneers *see* FIQ vector (pre-veneers)
- print jobs
 - aborting 3-573, 3-628–3-631, 3-684, 5a-585, 5a-678
 - cancelling 3-573, 3-597, 3-638, 3-642
 - ending 3-571, 3-626–3-627, 3-698
 - file handles 3-573, 3-624
 - listing 3-573, 3-640
 - selecting 3-569, 3-622–3-623, 3-644–3-645, 5a-678
 - starting 3-683, 3-696–3-697
 - suspending 3-569, 3-622
 - title strings 3-623
- Print key 1-923, 1-952, 3-119
- PrintDbox module 5a-658
- PrintEdit application 3-599, 3-602, 3-709–3-740
 - Character mappings 3-737–3-740
 - Graphics mode 3-714–3-732
 - Dump information 3-714–3-721
 - Dump strings 3-721–3-732
 - Printer definition editor 3-711–3-713, 5a-679
 - Text mode 3-733–3-737
- printer drivers 3-246, 3-565–3-672
 - adding 3-603
 - configuring 3-615–3-616, 3-667–3-669
 - deregistering 3-652
 - example program 3-670–3-672
 - features word 3-568, 3-612–3-614, 5a-584

- fonts
 - declaring for a job 3-569, 3-648–3-649
 - printer lists 3-658–3-662
- illustrations 3-644–3-647, 5a-678
- listing 3-655, 5a-678
- message file 3-609, 3-704
- miscellaneous operations 3-656–3-666
- numbers 3-604, 3-650, 4-556
- private words 3-650–3-651
- reading current selection 3-653
- reason code handlers 3-650–3-651
- rectangles 3-570
 - getting 3-635–3-637
 - pre-scanning 5a-583, 5a-584
 - specifying 3-632–3-634
- registering 3-608, 3-650–3-651
- screen dumps 3-639
- selecting 3-610, 3-653, 5a-678
- sharer module 3-599–3-600
 - starting 3-608
- transformation matrices 3-567, 3-633
- VDU state 3-589–3-590
- version 3-568, 3-612, 3-680, 3-710
- printer dumpers 3-600–3-601, 3-673–3-687, 5a-585–5a-586
 - adding 3-603, 3-709
 - colours 3-681, 3-700–3-701
 - configuration data 3-668, 3-678–3-680
 - configuration word 3-680, 5a-585
 - deregistering 3-664, 3-673, 3-687
 - direct control 3-665, 3-684–3-685
 - filename copying 3-706
 - memory allocation 3-692–3-699
 - names 3-675, 5a-582
 - numbers 3-663, 3-675, 4-556, 5a-582
 - palette files 5a-585
 - private words 3-663, 3-674
 - reason code handlers 3-663, 3-673, 3-674
 - reason codes 3-678–3-685
 - registering 3-663, 3-673, 3-686
 - selecting 3-667–3-668, 3-678–3-680
 - strip types 3-675, 5a-582, 5a-586

- strips 3-680–3-681, 3-702–3-703
- support module 3-601, 3-689–3-706
 - adding 3-603
 - information 3-690–3-691
 - version 3-690
- printer server protocols 5a-682–5a-685
 - printing protocol 5a-683–5a-685
 - status protocol 5a-682–5a-683
- printer servers
 - converting name to number 2-404
 - currently selected 2-394–2-395, 2-397–2-401, 2-409, 2-411–2-412
 - default 5a-682
 - listing 2-405–2-406, 2-410
 - name request 5a-683
 - port number 2-630, 214, 5a-682–5a-685
 - printing to 5a-683–5a-685
 - selecting 2-394–2-395, 2-398, 2-401, 2-409, 2-411–2-412
 - status 2-406, 2-407, 5a-682–5a-683
- printer: 2-495, 2-496, 2-497, 3-569, 3-571, 5a-672
- printers 1-505, 1-566
 - buffer size 1-404
 - definition files 3-598–3-599, 3-709–3-740, 5a-679
 - adding 3-602
 - notation 3-710
 - destination 1-505, 1-511, 1-522, 1-532, 2-448, 4-508
 - default 1-511, 1-544
 - features – checking 3-569, 3-617
 - halftone resolution 3-568, 3-611
 - ignore character 1-511, 1-524–1-527, 1-534, 1-542, 1-546, 1-569
 - information 3-568, 3-611–3-614
 - interlacing 3-716–3-717, 3-724–3-725, 3-726–3-728
 - names 3-568, 3-614, 3-711
 - network 1-505, 1-511, 1-522, 1-533, 1-544, 2-395
 - paper size 3-569, 3-618–3-621
 - parallel 1-505, 1-511, 1-522, 1-532, 1-544, 2-487, 2-497
 - printable area 3-569, 3-618–3-621, 3-711
 - printing characters 1-539
 - serial 1-505, 1-511, 1-522, 1-532, 1-544, 2-497
 - sink 1-505, 1-511, 1-522, 1-532, 1-544, 2-497
 - stream 1-505, 1-508–1-511, 1-566, 1-569–1-571, 2-395
 - types 5a-679

- user driver 1-505, 1-522, 1-533, 1-544, 2-497
- Printers application 3-598
 - back ends 3-598, 3-709, 5a-582
 - adding 3-603, 3-709
 - front end 3-598, 5a-582
- PrinterType\$... variables 4-508
- printing 3-18, 3-256–3-262, 3-565–3-742, 4-504, 5a-579–5a-587
 - characters 3-575, 3-589–3-595
 - code skeleton 3-572, 3-676–3-677
 - colours 3-333, 3-574, 3-576–3-580
 - error handling 3-571, 3-595–3-597, 3-704–3-705
 - persistent errors 3-596–3-597
 - escape handling 3-595–3-596
 - fonts 3-575, 3-583–3-585, 5a-529
 - graphics 3-574, 3-581–3-583, 5a-678
 - JPEGs 5a-161–5a-162, 5a-580–5a-581, 5a-583, 5a-587
 - multitasking 3-571–3-572
 - pages 3-570, 3-635–3-637, 3-682–3-683
 - single 3-644, 5a-678
 - sprites 3-575, 3-586–3-589, 5a-580, 5a-585
 - summaries of structure 3-601–3-602, 5a-582
 - trapping output calls 3-573–3-595, 5a-580
 - VDU codes 3-589–3-595
- process ids 5a-402
- processor configurations *see* ARM (processor configurations)
- ProgInfo module 5a-658
- R
- RAM 1-9, 1-18, 5a-4
- RamFS 2-3, 2-5, 2-197, 2-315–2-322, 3-79
 - selecting 2-322
 - size 1-390, 2-321, 3-243, 3-317
- rawkbd: 2-495, 2-496
- rawvdu: 2-495, 2-497
- RdchV 1-80
- ReadLineV 1-82
- realloc 1-351
- redirection 1-957–1-958, 1-963, 2-496–2-497, 5a-672
- registering names and numbers 4-551–4-556
- registers 1-13–1-15, 4-370–4-371, 5a-16–5a-17, 5a-18
 - bank organisation 5a-16
 - CPSR (current program status register) 5a-13, 5a-15, 5a-17

- displaying contents 4-239–4-240
- FIQ 1-13, 1-15, 4-371
- floating point 3-114–3-115
- IRQ 1-13, 4-371
- PSR (processor status register) 1-14, 1-28, 1-41, 3-595, 3-843, 4-370–4-371, 4-373–4-383, 4-386, 4-387, 4-391, 4-393, 5a-15, 5a-21, 5a-22, 5a-23, 5a-24, 5a-25, 5a-27
- R13 (stack pointer) 1-13, 1-15
- R14 (subroutine link) 1-13, 1-14, 1-28, 1-293, 4-377, 5a-21, 5a-27
- R15 (program counter) 1-13, 1-14, 1-28, 4-366, 4-370–4-371, 4-373, 4-374, 4-376, 4-379, 4-382, 4-386, 4-390, 4-391, 4-392, 4-393, 4-395, 4-397, 5a-13, 5a-15, 5a-17, 5a-21, 5a-27
- save area 1-320, 5a-680
- save block 1-293, 1-307, 1-310
- SPSR (saved program status register) 5a-13, 5a-17, 5a-21
- SVC 1-13, 4-371
- relocation
 - Additive and PCRelative 4-428
- RemotePrinterSupport 5a-473
- RemV 1-70, 1-77, 1-82, 1-90, 4-85, 4-90, 4-93, 5a-215, 5a-667
- ResEdit 5a-657
- Reset switch 1-866, 1-874, 2-99
- reset vector 1-113
- resets 1-113, 1-268, 1-866, 1-874, 1-910, 1-923, 1-934, 1-935, 2-149, 2-152, 2-502, 3-67, 3-70, 3-748, 3-795, 4-135, 5a-25, 5a-247–5a-249, 5a-250, 5a-626, 5a-679
 - hard 1-866, 1-874, 5a-164, 5a-248
 - soft 1-866, 1-874
- Resource\$...* variables 4-555
- ResourceFS 2-3, 2-415–2-425
 - adding files 2-418, 2-419, 2-421, 2-422, 5a-539, 5a-545
 - data format 2-418
 - directory structure 2-416, 5a-672
 - initialising 2-421
 - removing files 2-418, 2-419, 2-423
 - resolving name clashes 2-418
 - selecting 2-425
 - shutting down 2-420
- ResTest 5a-657
- return code 1-303, 4-506
- Return key 3-38, 3-101, 3-120, 3-155, 3-177
- RevARP 5a-285, 5a-290, 5a-345–5a-347
- Reverse Address Resolution Protocol *see* RevARP

RIP 5a-285

RISC processors 1-11

RISC OS

- versions 1-6–1-7, 5a-3

- boot time 5a-535

- reading 1-901, 1-968, 5a-163

RMA 1-201, 1-353, 1-357

- check words 1-347

- clearing blocks 1-353

- configured size 1-405

- deallocating 1-347

- describing 1-236

- shrinking 5a-546

ROM 1-9, 1-18, 1-113, 5a-4

ROMPatch application 5a-663

Routing Information Protocol *see* RIP

RS423 error event 1-157

Run\$Path variable 2-17, 2-18–2-19, 2-88, 2-183, 4-355, 4-505, 5a-539, 5a-670

S

SaveAs module 5a-658

saved program status register *see* registers (SPSR)

SaveDesk\$File variable 3-243

Scale module 5a-658

Scrap application 3-247

screen 1-507, 1-513–1-514

- address 1-724

- bandwidth 1-594, 4-561

- banks 1-553, 1-557, 1-597, 1-660–1-665, 1-696–1-699, 1-768

- blanking 4-109–4-114, 5a-653–5a-654

- delay 4-113

- end of 4-111

- start of 4-110

- clearing 1-554, 1-565, 1-580, 1-598, 1-606

- displaying 1-359

- grey scale 5a-110

- hardware scrolling 1-360, 1-724, 1-739

- loading from file 1-555, 1-565, 1-567, 1-783, 1-792, 1-846, 5a-122

- memory 1-594, 1-598, 1-764, 4-561

- modes 1-548, 1-565, 1-594–1-598, 1-749, 1-757, 3-185–3-186, 3-216, 3-238, 3-273, 3-283,
4-561–4-564, 5a-114, 5a-119, 5a-122

- adding 1-641–1-644, 5a-113, 5a-125–5a-128

- changing 1-549, 1-556, 1-638–1-640, 1-648, 1-768, 3-44, 3-335, 3-340, 3-372, 3-424,
5a-104–5a-108, 5a-135–5a-137, 5a-677
- checking valid 1-742, 5a-116, 5a-669
- enumerating 5a-129–5a-130, 5a-139
- reading 1-670, 5a-115
- translating 1-648
- refresh rate 1-414, 1-415, 1-594, 4-561
- resolution 1-548, 1-594, 4-561, 5a-109–5a-110
- saving to file 1-555, 1-565, 1-777, 1-783, 1-791, 1-847, 5a-122
- taking over 3-19
- writing characters 1-515
- writing directly 1-359
- Scroll Lock key 1-870, 1-891, 1-915
- sectors
 - cache 2-235
 - data 2-201
 - gap 2-201
 - ID 2-201, 2-267
 - reading 2-223–2-227, 2-283, 2-288, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187, 5a-672
 - skew 2-201
 - varying size 2-267, 5a-672
 - writing 2-223–2-227, 2-283, 2-288, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187, 5a-672
- serial port 1-506, 1-512, 1-867, 2-5, 2-445–2-486, 5a-216, 5a-224–5a-227
 - baud rates 2-445, 2-446, 2-449, 2-451–2-453, 2-466, 2-479–2-482, 5a-224, 5a-225
 - default 2-483
 - enumerating 5a-226
 - break 2-446, 2-475
 - buffering 1-882, 2-446, 2-447, 2-448, 2-464
 - powering down 4-207, 4-210–4-211
 - threshold 2-446, 2-448, 2-462, 2-472, 2-477, 5a-691
 - control byte 2-446, 2-454, 2-460
 - data format 2-446, 2-449, 2-473–2-474
 - default 2-449, 2-485
 - errors 1-157
 - FIFOs 5a-224
 - handshaking 2-446, 2-449, 2-470–2-472
 - input interpretation 2-446, 2-457
 - line names 2-449
 - mouse *see* pointer
 - parity 2-449, 2-473–2-474
 - default 2-485

- receiving 2-446, 2-477
- status word 2-470–2-472, 5a-224
- stop bits 2-449, 2-473–2-474
 - default 2-485
- transmitting 2-446, 2-476
- word length 2-449, 2-473–2-474
 - default 2-485
- serial: 2-495
- SerialV 1-85
- service calls 1-204, 1-208, 1-213, 1-254
 - claim FIQ 1-137
 - claim FIQ in background 1-138
 - summary 1-255, 5a-35, Index-19–Index-29
- setvbuf 1-352
- shared C library 1-5, 4-241–4-343
 - arithmetic functions 4-242
 - ARM Procedure Call Standard 4-248
 - buffering of input/output 4-317
 - C library kernel 4-242, 4-244–4-250
 - interfacing to 4-246–4-248
 - characters – testing and mapping 4-288, 4-305
 - codeend 4-246
 - codestart 4-246
 - ctype.h 4-305–4-306
 - EDOM 4-307
 - environment variables 4-245
 - ERANGE 4-307
 - errno.h 4-307
 - error handling 4-253
 - errors
 - domain 4-307
 - operating system 4-245
 - range 4-307
 - ESIGNUM 4-307
 - event handling 4-248
 - EventProc 4-248
 - FastEventProc 4-248
 - FILE 4-313
 - files
 - creating 4-314
 - deleting 4-314

- generating names 4-314
- opening 4-315–4-316
- position indicators 4-324–4-326
- renaming 4-314
- FinaliseProc 4-247
- floating point instruction set 4-245
- fpos_t 4-313
- function call – bypassing 4-288, 4-311
- heap allocation 4-252
- I/O functions 4-313–4-327
- InitProc 4-247
- input 4-321, 4-322, 4-323
 - functions 4-320–4-321
- interfacing to 4-255–4-263
- IRQ state – manipulating 4-242, 4-245
- locale.h 4-308
- math.h 4-308–4-310
- mathematical functions 4-288, 4-308–4-310, 4-332–4-333
- memory allocation functions 4-329–4-330
- memory management 4-245
- multibyte character functions 4-333–4-334
- multibyte string functions 4-334–4-335
- NameProc 4-248
- operating system interface 4-331
- output 4-322, 4-323, 4-324
 - functions 4-317–4-319, 4-321
- program termination functions 4-330–4-331
- programs, calling from C 4-243, 4-250–4-252
- random number generating functions 4-329
- RISC OS command types 4-251
- search functions 4-331, 4-332
- setjmp.h 4-311
- shared C library
 - stack, run-time 4-243
- signal handling 4-311–4-313
- signal.h 4-311–4-313
- sort functions 4-332
- stack extension 4-250
- stack, run-time 4-249–4-250
- stack-limit checking 4-242
- stdio.h 4-313–4-327

- stdlib.h 4-327–4-335
- storage management 4-252
- streams
 - closing 4-315
 - flushing 4-315
- string functions
 - appending 4-337
 - comparison 4-337–4-338
 - conversion 4-327–4-329
 - copying 4-336
 - error message mapping 4-340
 - length 4-338, 4-339, 4-340
 - locating 4-338–4-339
 - time 4-342–4-343
 - tokenising 4-339–4-340
 - transformation 4-338
- string.h 4-336–4-340
- SWIs 4-242
- time.h 4-340–4-343
- TrapProc 4-247
- UncaughtTrapProc 4-247
- UnhandledEventProc 4-248
- UnwindProc 4-248
- ShareFS 5a-473–5a-484
 - selecting 5a-480
 - transmission window size 5a-482
- ShellCLI 3-327–3-330
- Shift key 1-566, 1-870, 1-877, 1-915, 1-923, 1-937, 1-951, 2-30, 2-149, 2-152, 3-9, 3-101, 3-254
- shutting down 3-79–3-80, 3-231, 3-243
- SMC '665 5a-223
 - features mask 5a-223–5a-224
- Socket_... SWIs *see* Socklib (SWI calls)
- sockets 5a-308–5a-309, 5a-325
 - asynchronous I/O 5a-345–5a-347, 5a-357, 5a-358–5a-360
 - broadcasting 5a-342–5a-345, 5a-353–5a-356
 - closing 5a-308, 5a-310, 5a-314, 5a-330, 5a-381, 5a-446
 - connections 5a-314–5a-320, 5a-327–5a-329
 - accepting 5a-314, ??–5a-316, 5a-317–??, 5a-329, 5a-331, 5a-333, 5a-339–5a-341, 5a-371–5a-372
 - broken 5a-345–5a-347
 - initiating 5a-314–5a-315, 5a-328, 5a-341–5a-342, 5a-382–5a-383

- listening for 5a-314–5a-316, 5a-328–5a-329, 5a-331, 5a-339, 5a-424–5a-425
- shutting down 5a-314, 5a-330, 5a-442
- controlling 5a-347, 5a-353, 5a-358, 5a-422, 5a-447
- creating 5a-308, 5a-309, 5a-310–5a-314, 5a-326, 5a-443–5a-445
- datagram 5a-308, 5a-309, 5a-310–5a-314, 5a-321, 5a-323, 5a-325, 5a-326, 5a-330–5a-331, 5a-342, 5a-353–5a-356
- broadcasting 5a-366, 5a-411
- descriptors 5a-310, 5a-323, 5a-326, 5a-329, 5a-391, 5a-413
- errors 5a-309, 5a-412
- getting name 5a-409
- naming 5a-308, 5a-310–5a-312, 5a-325, 5a-327, 5a-328, 5a-375–5a-376
- non-blocking 5a-308, 5a-318, 5a-357, 5a-358
- options 5a-352, 5a-356–5a-357, 5a-410–5a-412
- out-of-band data 5a-321, 5a-345–5a-347, 5a-348–5a-349, 5a-358
- peeking 5a-321, 5a-348–5a-349
- protocols 5a-350
- raw 5a-325, 5a-350
- reading 5a-308, 5a-309, 5a-311–5a-312, 5a-321–5a-322, 5a-329–5a-330, 5a-331, 5a-343, 5a-432, 5a-434–5a-436, 5a-448–5a-449
- status 5a-390, 5a-450–5a-451
- stream 5a-308, 5a-309, 5a-314–5a-320, 5a-321, 5a-323, 5a-325, 5a-326, 5a-348–5a-349
- synchronous multiplexing 5a-318–5a-320, 5a-332–5a-333, 5a-357, 5a-438–5a-439
- types 5a-309, 5a-325, 5a-326, 5a-356, 5a-412
- writing 5a-308, 5a-309, 5a-310, 5a-314, 5a-321–5a-322, 5a-329–5a-330, 5a-331, 5a-440–5a-441, 5a-452–5a-453, 5a-457
- Socketlib 5a-305–5a-306, 5a-307, 5a-367–5a-460
 - index 5a-367–5a-370
 - SWI calls 5a-427, 5a-468–5a-469
- software vectors 1-5, 1-28, 1-32, 1-38, 1-63–1-111, 1-197, 5a-667
 - calling directly 1-70
 - chains 1-64
 - claiming 1-63, 1-66, 1-72, 1-76
 - error returning 1-77
 - example of use 1-107–1-109
 - intercepting a call 1-78
 - list 1-78
 - multiple uses 1-64
 - passing on a call 1-64, 1-78
 - register usage 1-77
 - releasing 1-68, 1-74
- sorting 1-970–1-972, 5a-670

- sound 1-17, 1-86, 4-3–4-82, 5a-6, 5a-595–5a-615
 - bar length 4-47, 4-54–4-55
 - beat counter 1-159, 4-12, 4-47, 4-54–4-55
 - bell 1-552, 1-562, 1-575, 1-684–1-691, 4-59, 4-79
 - channel 1-562, 1-684
 - duration 1-562, 1-690
 - frequency 1-562, 1-688
 - volume 1-562, 1-686, 1-756, 1-763
 - buffer filling 4-13–4-15, 4-70, 5a-596, 5a-598, 5a-599
 - flag byte 4-14
 - buffer format 4-8–4-10, 5a-599
 - buffer length 4-6, 4-8, 5a-596, 5a-598, 5a-599
 - buffer period 4-6, 4-7
 - Channel Handler 4-4–4-5, 4-10–4-12, 5a-598
 - dying 4-17
 - fill code 4-10
 - linear-to-log table 4-10, 4-74
 - log-scale table 4-11
 - overrun fixup code 4-10
 - replacing 4-18–4-19
 - starting 4-17
 - channels
 - number of 4-18, 4-58, 5a-598
 - clock 4-7, 5a-603
 - configuring 4-6–4-10, 4-18–4-19, 5a-595–5a-596, 5a-597, 5a-598–5a-599, 5a-601–5a-604, 5a-615
 - delay 4-48, 4-60
 - disabling 4-20, 4-57
 - DMA Handler 4-4, 4-6–4-10, 5a-595–5a-599
 - dying 4-17
 - starting 4-17
 - duration 4-41, 4-60, 4-62
 - enabling 4-20, 4-57
 - ending note 1-927
 - envelopes 4-74
 - glissando effects 4-42
 - linear handler 5a-596, 5a-599–5a-600, 5a-605–5a-608
 - calling 5a-599–5a-600
 - current 5a-607
 - registering 5a-599, 5a-608
 - removing 5a-608

- making 4-38, 4-41–4-42, 4-48, 4-60, 4-62–4-63
- oscillators 4-71–4-72
 - accumulator-divider 4-71
- output period 4-6, 4-7
- oversampling 5a-597, 5a-603–5a-604
- pitch 4-7, 4-41, 4-60, 4-62
- queue
 - adding to 4-48–4-49, 4-60–4-61
 - flushing 4-47
 - format 4-12
 - free slots 4-12, 4-51
 - initialising 4-47
- random bit generator 4-75
- sample length 4-6, 4-8, 4-18, 5a-598
- sample period 4-6, 4-7, 4-13, 4-18, 5a-598, 5a-599
- sample rate 4-7, 5a-596–5a-597, 5a-609–5a-614
 - index 5a-596, 5a-612–5a-614
- Scheduler 4-5, 4-12
 - dying 4-17
 - replacing 4-18–4-19
 - starting 4-17
- 16 bit 5a-595–5a-615
- Sound Channel Control Block 4-11, 4-13, 4-44–4-46
- sound pointer 4-6
- stereo position 4-22–4-23, 4-65
- tempo 4-12, 4-47, 4-53, 4-66
- tuning 4-39, 4-67
- vibrato effects 4-71
- voices 4-5, 4-13–4-16, 4-26, 4-69, 4-79–4-82
 - adding 4-29–4-30, 4-32, 4-70–4-78
 - attaching to a channel 4-13, 4-16, 4-37, 4-43, 4-58
 - default 4-59
 - example 4-76–4-78
 - fill code 4-13, 4-15
 - free code 4-13, 4-16
 - gate off code 4-13, 4-15, 4-42
 - gate on code 4-13, 4-15, 4-42
 - initialising 4-13
 - instantiate code 4-13, 4-16
 - libraries 4-70
 - listing 4-68

- names 4-13, 4-31–4-34
- removing 4-35
- table 4-12
- update code 4-13, 4-15, 4-73
- volume 4-8, 4-11, 4-26–4-28, 4-41, 4-60, 4-62, 4-69, 4-72–4-74, 4-76
 - default 4-59
- wavetables 4-72, 4-76
 - example 4-80–4-81
 - loading into WaveSynth 4-82
- sound start of bar event 1-159
- speakers 4-3
 - disabling 4-24–4-25, 4-59, 4-64, 5a-679
 - enabling 4-24–4-25, 4-59, 4-64, 5a-679
- special fields 2-12, 2-14, 4-503, 5a-670
- sprites 1-773–1-861
 - anti-aliasing 1-776, 1-786, 1-831
 - appending 1-775, 1-785, 1-813, 5a-118
 - areas
 - clearing 1-774
 - control block 1-777, 5a-490
 - format 1-777
 - free space 1-796, 1-855
 - initialising 1-783, 1-794
 - listing contents 1-774, 1-783, 1-853
 - loading from file 1-775, 1-783
 - merging from file 1-775, 1-783, 1-796, 1-855
 - reading information 1-774, 1-783, 1-793, 1-852
 - saving to file 1-775, 1-783
 - columns
 - deleting 1-775, 1-784, 1-824, 1-836, 5a-118, 5a-119
 - inserting 1-775, 1-784, 1-823, 1-836, 5a-118, 5a-119
 - control block 1-777
 - pointer to 1-779
 - copying 1-775, 1-784, 1-805, 1-845
 - creating 1-775, 1-784, 1-800, 5a-118, 5a-669
 - deleting 1-775, 1-784, 1-803, 1-848, 1-856
 - dithering 5a-119
 - dragging 3-297–3-300, 5a-496
 - see also* graphics (dragging)
 - editing 1-775
 - file format 4-460

- format 1-777, 5a-110–5a-112
- image format 1-778, 5a-112
- loading from file 1-774, 1-795, 1-854, 5a-669
- masks 1-586, 1-775
 - creating 1-784, 1-807
 - deleting 1-784, 1-808
 - format 1-779, 5a-112
 - plotting 1-826, 1-827
 - reading 1-785, 1-821
 - redirecting output to 1-775, 1-781, 1-785, 1-787, 1-840
 - scaling 1-828
 - writing 1-785, 1-822
- mode numbers to use 1-779
- names 1-783, 1-798
- outputting to 1-753
- palette 1-778, 5a-112, 5a-669
 - creating 1-817, 5a-118, 5a-669
 - deleting 1-817, 5a-118
- pixel translation 1-780, 1-861, 3-205–3-207, 3-339, 3-344, 3-405–3-406, 3-579, 3-586, 5a-117, 5a-118, 5a-119, 5a-120–5a-121, 5a-669, 5a-677
- plot actions 1-781
- plotting 1-775, 1-786, 1-806, 1-812
 - grey scaled 1-831, 5a-119
- pointer to 1-779
- reading 1-785, 1-819
- reading from screen 1-775, 1-784, 1-799, 1-801, 1-851
- reading information 1-785, 1-818
- redirecting output to 1-775, 1-781, 1-785, 1-787, 1-838, 5a-670
- referencing 1-774
- reflecting about x axis 1-775, 1-785, 1-811, 1-849, 5a-118
- reflecting about y axis 1-775, 1-785, 1-825, 1-850, 5a-118
- renaming 1-775, 1-784, 1-804, 1-857
- rows
 - deleting 1-775, 1-784, 1-810, 1-836, 5a-118, 5a-119
 - inserting 1-775, 1-784, 1-809, 1-836, 5a-118, 5a-119
- save areas 1-781–1-782, 1-785, 1-838, 5a-670
 - size of 1-785, 1-842
- saving to file 1-774, 1-797, 1-858
- scale factors 1-780
- scaling 1-775, 1-780, 1-786, 1-830, 3-586, 5a-118
- selecting 1-786, 1-802, 1-844, 3-588

- summary of calls 1-788–1-790
- system area 1-774
- tile_1 5a-492
- transforming 1-786, 1-833–1-835, 5a-119
- 256 colours 1-778, 1-859–1-861
- types 5a-111, 5a-117
- user areas 1-774
- validation 5a-131–5a-132
- wastage 1-778, 5a-110
 - removing 1-785, 1-832, 5a-119
- Wimp pool 1-774, 3-24–3-25, 3-31–3-34, 3-81, 3-198–3-200, 5a-675
 - adding to 3-279–3-280, 4-556
 - addresses 3-200
 - removing from 5a-514
 - writing 1-775, 1-785, 1-820
- SpriteV 1-84, 3-573, 3-586, 5a-580
- SPSR *see* registers (SPSR)
- Squash 4-103–4-107
 - compressing data 4-104–4-105, 5a-680
 - decompressing data 4-106–4-107, 5a-680
 - file format 4-499
- status
 - providing 1-265
- status variables 1-49–1-62
- streams 2-429, 2-447, 2-538
 - closing 1-196, 2-434, 2-438, 2-610
 - creating 1-195, 2-615
 - handles 2-609
 - input 1-864, 1-869, 1-882, 1-902, 2-447
 - number per device 2-437
 - opening 2-609
- string functions
 - comparison 5a-377, 5a-454
 - copying 5a-377
 - locating 5a-454
 - zeroing 5a-377
- strings
 - comparing 3-842–3-843
 - definition 4-419
 - inputting 1-869, 1-939, 1-941
 - outputting 1-494, 1-517, 1-518, 1-536, 1-540

- transforming 3-850–3-851
- SuperSample module 3-529–3-531
- supervisor stack 1-353
- SVC mode 1-12, 1-14, 1-15, 1-114, 1-354, 4-370, 5a-14, 5a-23, 5a-24, 5a-25
 - setting 1-141
- SWI vector 1-114, 5a-25, 5a-26
- SWIs 1-4, 1-23–1-32, 1-34
 - calling 1-114
 - from assembler 1-24
 - from BASIC 1-23, 1-24
 - from C 1-25, 5a-680
 - from SWI routines 1-31
 - chunk identification numbers 1-27, 4-552
 - decoding 1-28, 1-63
 - device driver usage 1-129
 - error handling when vectored 1-32
 - error-generating 1-41, 1-43
 - error-returning 1-41
 - example documentation 1-29
 - handling 1-220–1-222, 5a-668
 - names 1-23, 1-25, 1-222, 4-552
 - numbers 1-23, 1-26–1-27, 1-220, 4-552
 - parameters 1-23
 - re-entrancy 1-130
 - register usage 1-23
 - results 1-23
- Sys\$Date variable 4-506
- Sys\$DateFormat variable 4-506
- Sys\$RCLimit variable 1-303, 4-506
- Sys\$ReturnCode variable 1-303, 2-112, 4-506
- Sys\$Time variable 1-290, 1-334, 4-506
- Sys\$Year variable 4-506
- system (C procedure) 1-37, 1-955
- System application 3-60, 3-247, 3-275, 4-506
- system bus 1-17, 5a-7
- system devices 2-3, 2-20, 2-495–2-497
- system variables 1-287, 1-290, 4-501–4-508
 - checking values 1-338
 - code 1-290, 1-338
 - deleting 1-290, 1-316, 1-337
 - integers 1-290, 1-333

- listing 1-336
- macros 1-290, 1-334
- naming 1-290
- reading 1-290, 1-314, 1-338, 5a-669
- setting 1-290, 1-316, 1-331–1-335
- strings 1-290, 1-331
- substituting for 1-455, 1-456, 1-955
- types 1-290
- System\$Dir variable 4-506
- System\$Path variable 3-59, 4-506
- T
- tab 1-563, 1-570, 1-577, 1-871, 1-918
- Tab key 3-101, 3-119
- Task Manager 3-53, 3-238–3-240, 3-311–3-317
 - shutting down 3-79
- task windows 1-191–1-192, 3-263–3-264, 3-319–3-325, 4-507, 5a-676, 5a-677
 - information 3-320
 - using 3-324–3-325
- tasks
 - handles 2-501–2-502, 3-68–3-71, 3-217
 - finding for icon/window 3-194
 - killing 3-71, 3-73, 3-172–3-173, 3-228
 - listing 3-313–3-314
 - modules 3-60–3-61
 - names
 - finding from handles 3-239, 3-312
 - number of 3-216
 - poll word 1-191
 - sleeping 1-191
 - starting 2-500–2-501, 3-66, 3-68, 3-238–3-239
 - ‘child’ tasks 3-174–3-175, 3-288
 - task window usage 3-320
 - transferring data 3-214–3-215, 3-236, 3-247–3-254, 4-507, 5a-44
 - in memory 3-252–3-254, 5a-675
- Tasks directory *see* Boot applications (Tasks directory)
- TaskWindow\$Server variable 4-507
- TCP 5a-279, 5a-285, 5a-294, 5a-326, 5a-362, 5a-364–5a-365, 5a-366, 5a-473
- TCP/IP Protocol Suite 1-161, 5a-279
 - application note 5a-279
- Teletext 1-595, 4-562, 4-580–4-586
- TELNET 5a-339

- templates 3-55–3-56
 - closing 3-166
 - creating 3-55, 3-168, 5a-490
 - file format 4-461–4-462
 - loading 3-55, 3-167–3-169, 5a-490
 - opening 3-55, 3-165
- territory manager 3-793–3-856
 - starting 3-796, 3-798, 3-801
- territory modules 1-411, 3-793–3-856
 - currently selected 3-794, 3-795–3-796, 3-800, 3-813
 - default 3-795, 3-854, 4-570, 5a-679
 - deregistering 3-803
 - initialising 3-796, 3-801
 - killing 3-803
 - listing 3-856
 - loading 3-795, 5a-679
 - names 3-797, 3-804, 4-553
 - numbers 3-797, 4-553
 - presence check 3-805
 - registering 3-796, 3-798, 3-801–3-802, 5a-589
 - scope 3-797
 - selecting 3-799
 - SWI handler 3-796, 3-801–3-802, 5a-589
- TickerV 1-77, 1-83, 1-99, 1-443, 5a-236
- time 1-409–1-451, 4-506, 5a-414, 5a-688
 - calendar information 3-847–3-848, 5a-590
 - displaying 1-451
 - format strings 1-412, 3-847–3-848, 4-506, 5a-590
- time zones 3-794, 3-797
 - currently selected 3-809, 5a-414
 - default 3-855
 - information 3-809, 3-814
- timers 1-99, 1-127
 - calling code 1-413, 1-441–1-445, 5a-669
 - events 1-156, 1-409, 1-413, 5a-669
 - interval 1-410, 1-413
 - reading 1-423
 - writing 1-425
 - monotonic 1-410, 1-726, 3-64, 3-181
 - reading 1-446
 - real-time 1-409, 1-410, 1-411

- reading 1-427, 1-429, 1-433, 1-451, 3-64, 5a-414
- soft copy 1-411
- writing 1-435–1-440, 3-808
- system 1-410
 - reading 1-419
 - writing 1-421
- vertical sync 1-414
- TinyStubs module 5a-657, 5a-658
- TIP 4-509–4-550
 - aborting file operations 4-514, 4-543
 - choosing protocol modules 4-512
 - closing connections 4-513, 4-527
 - closing logical links 4-513, 4-522
 - connection 4-510
 - data structures 4-511, 4-516–4-517, 4-520–4-521
 - directory operations 4-514, 4-549–4-550
 - file transfer SWIs 4-511
 - finding base SWI numbers 4-519
 - finding protocol modules 4-512, 4-516–4-518
 - generating a Break 4-514, 4-537–4-538
 - getting a file 4-514, 4-545–4-546, 4-548
 - getting menu trees 4-514
 - getting state of logical links 4-535–4-536
 - logical links 4-509
 - menus 4-514, 4-523, 4-532–4-533
 - multiple links and connections 4-512
 - opening connections 4-513, 4-524–4-526
 - opening logical links 4-512, 4-520–4-521
 - poll words 4-512, 4-513, 4-514, 4-524
 - protocol modules 4-509–4-512
 - receiving a file 4-514
 - receiving data 4-513, 4-530–4-531
 - sending a file 4-513
 - sending data 4-513, 4-528–4-529, 4-539–4-542
 - service calls 4-510
 - SWI support 4-510–4-511
 - terminal emulators 4-512–4-514
- token dictionary 1-537, 5a-36, 5a-591
- Toolbox 5a-657–5a-659
- tracks
 - gaps 2-200–2-201

- index mark 2-200
- index pulse 2-200, 2-275
- layout 2-200–2-201, 2-268
- reading 2-223–2-227, 2-283, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187
- writing 2-223–2-227, 2-283, 2-317, 2-602–2-604, 5a-178–5a-182, 5a-187

transient utilities 1-289, 1-343, 2-87

Transmission Control Protocol *see* TCP

U

UDP 5a-285, 5a-362, 5a-366

UKPLOTV 1-83, 1-97, 1-732

UKSWIV 1-26, 1-83, 1-95, 1-295, 5a-668

UKVDU23V 1-83, 1-94

Unalias (alias) 5a-538

UND mode 5a-14, 5a-17, 5a-25

undefined instruction vector 1-114, 5a-15

Undefined mode *see* UND mode

Unixlib 5a-305–5a-306, 5a-307, 5a-337, 5a-367–5a-460

- index 5a-367–5a-370

UpCalls 1-180–1-198

UpCallV 1-84, 1-295

User Datagram Protocol *see* UDP

user event 1-157

user ids 5a-405, 5a-415

User mode *see* USR mode

UserV 1-80

USR mode 1-12, 1-14, 1-354, 4-370, 5a-14

UTC 1-411

V

VDU drivers 1-513–1-514, 1-547–1-772, 5a-686

- destination of output 1-98, 1-520, 1-530, 2-447, 3-75
- disabling 1-565, 1-570, 1-593
- enabling 1-565, 1-574
- graphics window 1-550, 1-565, 1-566, 1-584, 1-597, 1-631, 1-634, 3-18
 - defining 1-627
- list of codes 4-557–4-559
- null operation 1-568
- paged mode 1-564, 1-566, 1-582–1-583, 1-597, 1-927, 4-359
 - disabling 1-583
 - line count 1-692
- plotting sprites 1-786
- queue size 1-564, 1-694, 1-927, 3-595

- scrolling 1-566, 1-604, 1-631, 1-762, 1-765, 5a-669
- status 1-555, 1-666, 1-675
- text window 1-549, 1-565, 1-597, 1-604, 1-606, 1-631
 - defining 1-633
- variables 1-564, 1-565, 1-673, 1-730–1-733, 1-736–1-738, 3-595, 5a-115–5a-116, 5a-135–5a-137
- vdu: 2-495, 2-497
- VDUXV 1-83, 1-98, 1-514, 1-555
- vertical sync event 1-156, 1-414, 1-415, 1-554, 1-567, 1-652, 1-725
- vertical tab 1-563, 1-570, 1-579
- VESA 5a-653
- VIDC 1-9, 1-15–1-17, 1-548, 1-551, 1-557, 1-596, 1-642, 4-7, 4-8, 4-563, 5a-3, 5a-4–5a-6, 5a-101, 5a-126, 5a-223, 5a-595, 5a-596
 - buffers 1-15–1-17
 - clock rates 1-16, 1-642, 5a-6
 - cursor support 1-16, 5a-6
 - data bus 5a-6
 - registers 1-642–1-644
- VRAM 5a-4, 5a-6, 5a-7, 5a-37, 5a-109
- W
- watchdog 5a-488, 5a-506
- WaveSynth 4-79–4-82
- wildcards 2-12, 2-33, 2-580
- Wimp 3-3–3-289, 5a-487–5a-514
 - character redefinitions 4-570
 - current slot 3-54, 3-58, 3-59, 3-66, 3-203–3-204, 3-239, 3-286–3-287
 - dragging 3-19, 3-47–3-49, 3-118, 3-129, 3-140, 3-142–3-146, 3-268–3-269
 - error reporting 3-62, 3-75, 3-176–3-178, 3-270, 5a-492–5a-494, 5a-495–5a-496, 5a-498–5a-500
 - categories 5a-493, 5a-495
 - event codes 3-112–3-125
 - disabling 3-7, 3-113–3-114
 - priority 3-113
 - filters
 - adding 3-82, 3-222–3-223, 3-302, 3-304–3-307, 5a-676
 - listing 3-310
 - removing 3-222–3-223, 3-303, 3-308–3-309
 - flags 3-270–3-271
 - fonts 5a-489–5a-492, 5a-496, 5a-501–5a-505
 - changing 5a-511
 - colours 5a-503

- plotting 5a-505
 - setting 5a-512–5a-513
- free memory 3-59, 3-203–3-204, 5a-38
 - claiming 3-208–3-209, 5a-44
- free space 3-53–3-54
- hot keys 3-41, 3-170
- initialising 3-85, 5a-675
- next slot 3-53–3-54, 3-203–3-204, 3-239, 3-243, 3-286–3-287
- polling 3-6–3-7, 3-112–3-125, 3-181–3-182, 5a-675
- slot
 - contents 1-351
- string widths 5a-504
- system information 3-216–3-217, 5a-496
- version 3-8, 3-64, 3-217
- Wimp\$Path variable 2-417, 2-427
- Wimp\$Scrap variable 3-247, 4-507
- Wimp\$ScrapDir variable 4-507
- Wimp\$State variable 3-217, 4-507
- WIMPSymbol font *see* fonts (WIMPSymbol)
- Window module 5a-658
- WindowManager\$Path variable 2-417
- windows
 - blocks 3-87–3-92, 3-134, 5a-494
 - bounding box 3-179–3-180
 - bringing to top 3-16
 - button types 3-91
 - closing 3-15, 3-52, 3-111, 3-116–3-117, 3-118
 - command 3-210–3-211
 - creating 3-87–3-92, 5a-494
 - deleting 3-105
 - dragging 3-16, 3-270
 - flags 3-14, 3-88–3-90, 3-132, 3-134
 - iconising 3-33, 3-254–3-256, 5a-675
 - input focus 3-26, 3-27, 3-40, 3-122
 - opening 3-16–3-17, 3-51, 3-109, 3-116, 3-210, 3-238
 - panes 3-39–3-40, 3-116, 3-117
 - redrawing 3-15–3-17, 3-18, 3-62, 3-116, 3-126–3-127, 3-130–3-131, 3-183
 - forcing 3-19, 3-147–3-148, 3-238
 - resizing 3-16–3-17, 3-270
 - restricting to screen 3-270
 - scroll bars 3-16, 3-17, 3-28, 3-29, 3-116, 3-161

- scroll offsets 3-10–3-14, 5a-674
- scrolling 3-16–3-17, 3-121, 3-270
- sending to back 3-15
- stack 3-14
- state 3-132–3-135
- tiling 5a-492
- title bar 3-16, 3-27, 3-116
 - data 3-14, 3-91
 - flags 3-14, 3-90
- tool sprites 3-25–3-31, 3-282, 5a-496
 - RISC OS 2 compatibility 3-30
- updating 3-19, 3-128–3-131, 3-183
- visible area 3-10–3-14, 5a-674
- work area 3-10–3-14, 3-161–3-162, 5a-674
 - copying 3-201–3-202
- Wipe\$Options variable 2-195, 4-505
- WordV 1-81, 2-743
- WrchV 1-77, 1-80, 1-508, 1-515, 3-573, 3-589, 4-114
- X
- X bit 1-26, 1-27, 1-41, 1-458, 1-472, 1-474