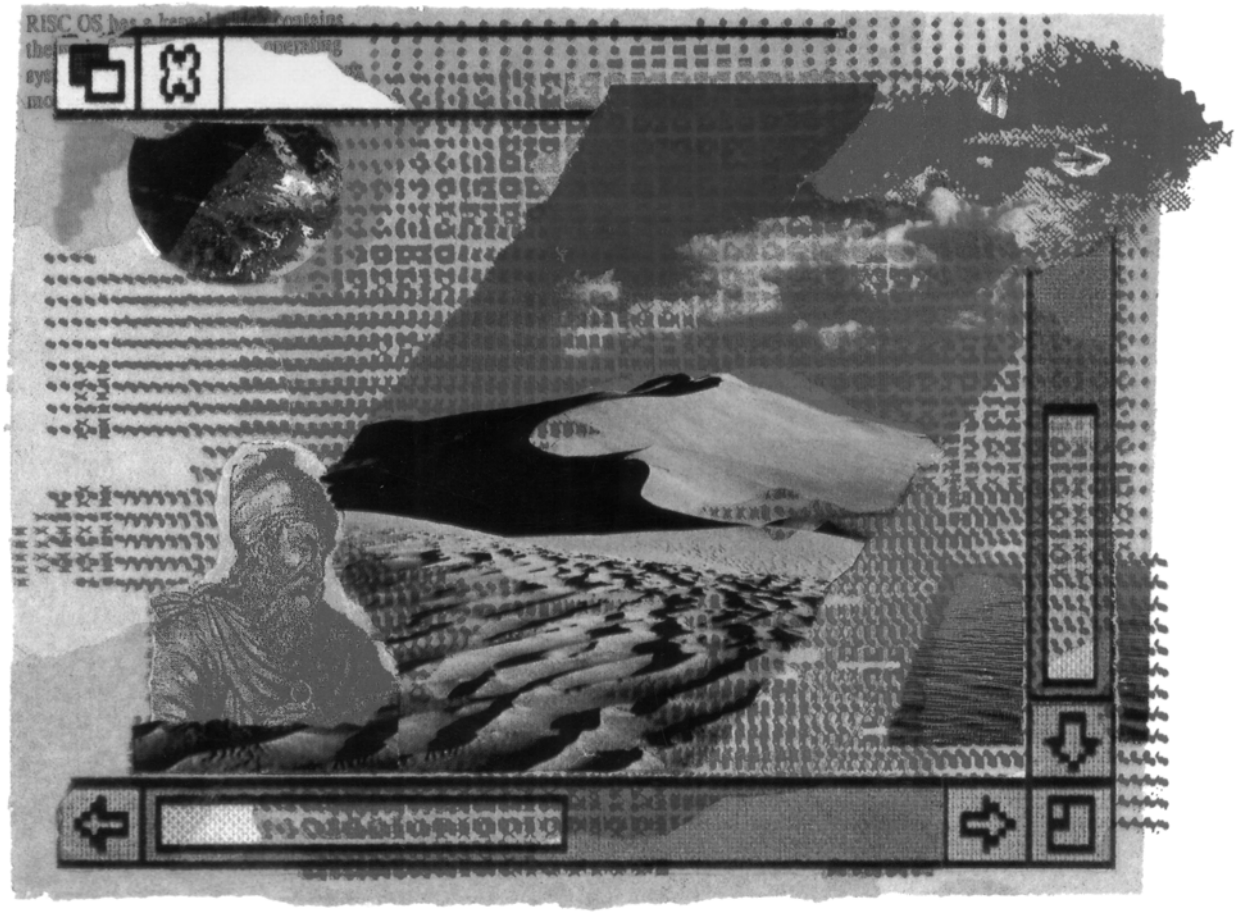
RISC OS 3
Programmer's Reference Manual

Indices



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Published by Acorn Computers Limited
ISBN 1 85250 173 1
Edition 1
Part number 1403,124
Issue 1, 1995

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Index of OS_Words

OS_Word		Description	Page
0	(&00)	Read line from input stream to memory	1-941
1	(&01)	Read system clock	1-419
2	(&02)	Write system clock	1-423
3	(&03)	Read interval timer	1-425
4	(&04)	Write interval timer	1-427
9	(&09)	Read pixel logical colour	1-702, 5a-115
10	(&0A)	Read a character definition	1-704
11	(&0B)	Read the palette	1-706, 5a-115
12	(&0C)	Write the palette	1-708, 5a-115
13	(&0D)	Read current and last graphics cursors	1-710
14	(&0E)	Read CMOS clock	1-429 to 1-436
15	(&0F)	Write CMOS clock	1-437 to 1-442
21	(&15)	Define pointer and mouse parameters	1-712 to 1-725
22	(&16)	Write screen base address	1-726

Numeric index of Service Calls

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

No	Name	Meaning	Page
&04	UKCommand	Unknown command	1-261
&06	Error	Error has occurred	1-262
&07	UKByte	Unknown OS_Byte	1-263
&08	UKWord	Unknown OS_Word	1-264
&09	Help	*Help has been called	1-265
&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	1-266
&29	UKStatus	Unknown *Status	1-267
&2A	NewApplication	Application about to start	1-268
&40	FSRedeclare	Start up filing system	2-25
&41	Print	For internal use only	3-607
&42	LookupFileType	Look up file type	1-269
&43	International	International service	3-771
&44	Keyhandler	Keyboard handler	1-881
&45	PreReset	Pre-reset	4-135
&46	ModeChange	Mode change	1-640
&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	1-641
&4E	MemoryMoved	OS_ChangeDynamicArea has just finished	1-369
&4F	FilerDying	Notification that the Filer module is about to close down	2-503
&50	ModeExtension	Allow soft modes	1-643, 5a-125
&51	ModeTranslation	Translate modes for unknown monitor types	1-647, 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	1-370
&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	1-789
&73	PostInit	All modules have been initialised	1-270
&75	TerritoryStarted	New territory starting	3-799
&76	MonitorLeadTranslation	Translate monitor lead ID	1-648, 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	1-650
&8A	Portable	Power down or up	4-207
&8B	NetworkDriverStatus	Part of the AUN Driver Control Interface	2-656
&8C	SyntaxError	Syntax error translation	1-271
&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
&400C0	ErrorStarting	Issued immediately after Wimp_ReportError is called	5a-498
&400C1	ErrorButtonPressed	Issued when any button on the error report is pressed	5a-499
&400C2	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
DynamicAreaRenumber	&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	1-262
ErrorButtonPressed	&400C1	Issued when any button on the error report is pressed	5a-499
ErrorEnding	&400C2	Issued immediately before an error report closes	5a-500
ErrorStarting	&400C0	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	1-265
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	1-881
LookupFileType	&42	Look up file type	1-269
Memory	&11	Memory controller about to be remapped	3-66
MemoryMoved	&4E	OS_ChangeDynamicArea has just finished	1-369
MessageFileClosed	&5E	Message files have been closed	3-749
ModeChange	&46	Mode change	1-640
ModeChanging	&89	Mode change	1-650
ModeExtension	&50	Allow soft modes	1-643, 5a-125
ModeTranslation	&51	Translate modes for unknown monitor types	1-647, 5a-114
MonitorLeadTranslation	&76	Translate monitor lead ID	1-648, 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	1-268
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	1-270
PreModeChange	&4D	Mode change	1-641
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	1-789
SyntaxError	&8C	Syntax error translation	1-271

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	1-263
UKCommand	&04	Unknown command	1-261
UKConfig	&28	Unknown *Configure	1-266
UKStatus	&29	Unknown *Status	1-267
UKWord	&08	Unknown OS_Word	1-264
ValidateAddress	&6D	OS_ValidateAddress has been called with an unrecognised area	1-370
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

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Operating system SWIs

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&E2	OS_ConvertSpacedCardinal2	1-484
&E3	OS_ConvertSpacedCardinal3	1-484
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SWI Name	Number	Page
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SWI Name	Number	Page
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SWI Name	Number	Page
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SWI Name	Number	Page
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PDumper_Find	&41B03	3-695
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PDumper_Info	&41B00	3-690
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Podule_RawRead	&40287	4-151, 5a-627
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SWI Name	Number	Page
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SWI Name	Number	Page
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SWI Name	Number	Page
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SaveAs_PostFilter	&82BC1	5a-657
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SWI Name	Number	Page
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Scale_PostFilter	&82C01	5a-657
Scale_PreFilter	&82C02	5a-657

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SWI Name	Number	Page
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Socket_Gettsize	&41218	5a-468
Socket_Ioctl	&41212	5a-468
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Socket_Recv	&41205	5a-468
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SWI Name	Number	Page
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Territory_AlphabetNumberToName	&43045	3-806
Territory_CharacterPropertyTable	&43056	3-834
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Territory_ControlTable	&43059	3-838
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Territory_ConvertStandardTime	&4304E	3-821
Territory_ConvertTextToString	&43075	3-812
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Territory_Deregister	&43042	3-803
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Territory_ReadCurrentTimeZone	&43048	3-809
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Territory_TransformString	&43061	3-849
Territory_UpperCaseTable	&43058	3-837
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TinySupport_Init	&82C40	5a-657
TinySupport_Init2	&82C42	5a-657
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SWI Name	Number	Page
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Toolbox_CreateObject	&44EC0	5a-657
Toolbox_DeleteObject	&44EC1	5a-657
Toolbox_GetAncestor	&44ECB	5a-657
Toolbox_GetClientHandle	&44EC8	5a-657
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