Index

Symbols

'****' file type 7-20
'????' file type 7-20

Numerals

16-by-16 pixel icons (small) 7-11, 7-15
32-by-32 pixel icons (large) 7-11, 7-13
4-bit color icons 7-11
8-bit color icons 7-11

A

A5 world
  and context switching 2-16
  size of 2-32
About command (Apple menu) 3-21 to 3-22, 3-45
acceptAppDiedEvents flag 2-119
AcceptHighLevelEvent function 2-70, 2-71 to 2-72, 2-88, 2-91 to 2-93
acceptSuspendResumeEvents flag 2-118
ACount global variable 6-172
'actb' resource type 6-157 to 6-158
action procedures
  changing 5-102
  creating 5-115 to 5-117
  defined 5-35
  for buttons, checkboxes, and radio buttons 5-36
  for pop-up menus 5-36 to 5-37
  for scroll bars 5-58 to 5-61
  specifying 5-91, 5-92
activate events
  in alert boxes 6-82
  and windows 4-42
  deactivating windows for alert and dialog boxes 6-64 to 6-66
  defined 2-8
  in dialog boxes 6-85, 6-97 to 6-100
  handling 2-51 to 2-56, 4-50 to 4-53
active controls 5-11 to 5-13, 6-13 to 6-14
active windows 4-6 to 4-7
AddResMenu procedure. *See* AppendResMenu procedure
AEIMP (Apple Event Interprocess Messaging Protocol) 2-13, 2-68
AEProcessAppleEvent function 2-69, 2-79
AESend function 2-74, 2-79, 2-101
alert boxes
  accessing menus from 6-68 to 6-73
  as windows 6-15 to 6-17
  creating 6-18 to 6-23
  default colors of, changing 6-157 to 6-158
  defined 6-6
  dialog boxes, as distinguished from 6-6 to 6-8
  displaying 6-22, 6-61 to 6-75
  event filter function for 6-86 to 6-89, 6-145 to 6-147
  events in 2-29 to 2-30, 6-81 to 6-82
  items in. *See* items in alert and dialog boxes
  stages for 6-20 to 6-22, 6-150 to 6-151
  types of 6-8 to 6-9
  window types for 4-9
alert color table resources 6-157 to 6-158
Alert function 6-106 to 6-108
alert resources
  defined 6-15
  example of 6-20, 6-21
  Rez input format for 6-19 to 6-22
  Rez output format for 6-150 to 6-151
alerts
  creating 6-18 to 6-23, 6-105 to 6-112
  defined 6-5
  defining alert sounds for 6-22, 6-144 to 6-145
  displaying 6-61 to 6-75
  events in 6-81 to 6-82
  stages for 6-20 to 6-22, 6-150 to 6-151
  types of 6-8 to 6-9
  using the system alert sound 6-8
alert sounds
  and the system alert sound 6-8
  creating 6-18 to 6-22
  defined 6-6
  defining 6-22, 6-144 to 6-145
  specifying 6-151
  stages for 6-20 to 6-22, 6-150 to 6-151
aliases
  defined 7-39
  resolving 7-39 to 7-41, 7-51 to 7-53
alias files 7-39
alias records 7-40
alias types 7-40
'alis' resource type 7-40
'ALRT' resource type. *See* alert resources

altDBoxProc window type 4-9
'amnu' folder type 7-54
ANumber global variable 6-172
'appe' file type 7-44
AppendDITL procedure 6-54, 6-125 to 6-127
AppendMenu procedure 3-64 to 3-67, 3-124 to 3-125
AppendResMenu procedure 3-20, 3-68 to 3-70, 3-128 to 3-129
Apple Event Interprocess Messaging Protocol (AEIMP) 2-13, 2-68
Apple events
  and the Finder 7-25 to 7-26
  application sending to itself 3-71
  as high-level events 2-68 to 2-70
  defined 2-13
  handling 2-79
  Open Documents event 7-20
  sending 2-79
  sending in response to menu commands 3-71
Apple menu 3-20
  About command 3-21 to 3-22, 3-45
  accessing from dialog boxes 6-68 to 6-73
  adding items to 3-68 to 3-69
  creating 3-43 to 3-44
  handling 3-80 to 3-81
Apple Menu Items folder
  adding items from, to Apple menu 3-20 to 3-21
  alias type for 7-40
  defined 7-43
  finding 7-54
'APPL' file type 7-10
application-defined items
  creating 6-56 to 6-61
  specifying in alert or dialog boxes 6-29 to 6-30, 6-155
application heap 2-32
application icons
  creating 7-10 to 7-17
  default 7-12
  . *See also* icon families
Application menu 3-33
  accessing from alert and dialog boxes 6-68 to 6-69
  Hide Others command 3-33
application-missing message string resources 7-27 to 7-30, 7-68 to 7-69
applications
  alias type for 7-40
  in Apple Menu Items folder 7-43
  creating icons for 7-11 to 7-17
  default icon for 7-12
  launching from the Finder 7-25 to 7-26
  sharing 2-69
  signatures for 7-8 to 7-10
  switching between 2-5
application-unavailable alert box messages 7-27 to 7-30
arrow cursor 2-64
arrows, in scroll bars. *See* scroll arrows
'****' file type 7-20
AtMenuBottom global variable 3-151
auto-key events 2-38
auto-key threshold rate 2-38
A/UX and cancel events 2-47
AuxCtlRec data type 5-76 to 5-77, 5-107
auxiliary control records 5-76 to 5-77, 5-107
auxiliary window record 4-21, 4-73 to 4-74
AuxWinRec data type 4-73 to 4-74

B

background applications, and Extensions folder 7-44
background processes 2-4
Balloon Help online assistance, for icons 7-38
  .*See also* help balloons
BeginUpdate procedure 4-50, 4-106 to 4-107
BeginUpdate procedure 2-48
'BNDL' resource type 7-20 to 7-25, 7-65 to 7-68
BringToFront procedure 4-90
bundle bit 7-34
bundle resources 7-20 to 7-25, 7-45, 7-65 to 7-68
Button function 2-109
buttons
  active 5-11 to 5-13
  control definition ID for 5-14
  creating, in windows 5-17 to 5-20
  default 6-10 to 6-11, 6-22, 6-30 to 6-31, 6-56 to 6-61
  defined 5-5
  events in 5-31 to 5-37, 6-78
  inactive 5-11 to 5-13
  part code for 5-32
  specifying in alert or dialog boxes 6-29 to 6-30, 6-153
  titles for 6-37 to 6-39

C

CalcMenuSize procedure 3-143, 5-28
CalcVisBehind procedure 4-119
CalcVis procedure 4-119
canBackground flag 2-118
cancel events 2-47 to 2-48
Can't Undo command (Edit menu) 3-24, 3-25
Caps Lock key 2-20
caret, time between blinks of 2-114
catalog files
  defined 7-5
  Finder information in 7-32 to 7-34, 7-46 to 7-51
CautionAlert function 6-111
caution alerts

creating with the CautionAlert function 6-111
defined 6-9
'cctb' resource type 5-121 to 5-123
'CDEF' resource type 5-14, 5-109 to 5-115
character codes 2-40
checkboxes
active 5-11 to 5-13
changing setting and display of 5-38 to 5-39
control definition ID for 5-14
defined 5-5 to 5-6
events in 6-78
events in, in windows 5-31 to 5-32, 5-38 to 5-39
inactive 5-11 to 5-13
part code for 5-32
specifying in alert or dialog boxes 6-29 to 6-30, 6-153
CheckItem procedure 3-61 to 3-62, 3-136
CheckUpdate function 4-116
'cicn' resource type 7-64
specifying a menu item's 3-62, 3-154
Clear command (Edit menu) 3-25, 6-69
ClearMenuBar procedure 3-110
ClipAbove procedure 4-116 to 4-117
Clipboard 3-24
converting data to and from 2-59 to 2-61
Hide Clipboard command (Edit menu) 3-25
Show Clipboard command (Edit menu) 3-25
close box 4-6
Close command (File menu) 3-23
CloseDialog procedure 6-119 to 6-120
close region 4-12
CloseWindow procedure 4-60, 4-104 to 4-105
closing windows 4-60 to 4-62
routines for 4-103 to 4-106
'CNTL' resource type
example of 5-18, 5-21, 5-23, 5-26
Rez input format for 5-18 to 5-24, 5-25 to 5-29
Rez output format for 5-118 to 5-121
Color control panel 4-20, 4-65
color flag 7-48
color graphics ports 4-20
color icon resources 3-46, 3-62, 7-64
color icons 7-11, 7-13 to 7-16
Color QuickDraw
and color window records 4-65
and the Window Manager port 4-74
checking for
when creating a window 4-77
when zooming windows 4-54
coordinate systems in 4-17 to 4-18
creating color windows 4-20 to 4-21
colorReserved flag 7-48
colors
in alert boxes and dialog boxes 6-156 to 6-164
in controls 5-5
in menus 3-46, 3-62, 3-98 to 3-102
in windows 4-20 to 4-21
Label menu commands for 7-16
ColorSpec data type 4-72
ColorSpec data type 5-78 to 5-79
color window records 4-65 to 4-68
Command key 2-20
Command-key equivalents. *See* keyboard equivalents
Command-Shift-number key sequences 2-39, 2-87
content region
defined 4-6, 4-12
drawing 4-39 to 4-40
updating 4-40 to 4-41, 4-48 to 4-50
context of a process
switching 2-15 to 2-16
control color table records 5-77 to 5-80
control color table resources 5-121 to 5-123
control color tables 6-160 to 6-162
control definition functions
custom 5-109 to 5-115
defined 5-14
for pop-up menus 5-14, 5-36
standard 5-14
control definition IDs
defined 5-14
for buttons 5-14
for checkboxes 5-14
for custom controls 5-109 to 5-110
for pop-up menus 5-14
for radio buttons 5-14
for scroll bars 5-14
specifying 5-18, 5-19, 5-25, 5-83 to 5-84, 5-120
Control key 2-20
control list 4-14
Control Manager 5-3 to ??
and Dialog Manager 5-3, 5-5, 5-16, 5-29, 5-31, 6-78
and Event Manager 5-3
and List Manager 5-3
and Resource Manager 5-3
and Window Manager 5-3
application-defined routines for 5-109 to 5-117
data structures in 5-72 to 5-80
localization guidelines 5-15, 5-19 to 5-20, 5-85, 5-120
resources for 5-117 to 5-123
. *See also* control resources; control color tables; control definition functions
routines in 5-80 to 5-117
user interface guidelines 5-5 to 5-13, 5-52 to 5-53
control panels
installing and removing 7-41
Control Panels folder
alias type for 7-40
defined 7-43
finding 7-54
ControlRecord data type 5-73 to 5-75
control records 5-73 to 5-75

control resources
  example of 5-18, 5-21, 5-23, 5-26
  Rez input format for 5-18 to 5-24, 5-25 to 5-29
  Rez output format for 5-118 to 5-121
controls
  action procedures for 5-91, 5-102, 5-115 to 5-117
  activating 5-13
  active 5-11 to 5-13, 6-13
  colors in 5-5, 5-101, 5-121 to 5-123
  control definition IDs for 5-18, 5-19, 5-25, 5-83 to 5-84, 5-120
  custom. *See* custom controls
  defined 5-3
  dragging 5-35, 5-99 to 5-100, 5-114 to 5-115
  drawing 5-17, 5-85 to 5-88
  events in 5-88 to 5-93, 6-78
  highlight states 5-35, 5-98 to 5-99
  inactive 5-13, 6-13, 6-74
  in alert and dialog boxes 6-29 to 6-30, 6-154
  indicators. *See* indicators, in controls
  invisible 5-18, 5-19, 5-25, 5-83, 5-97, 5-119
  in windows 4-14 to 4-15, 4-23, 5-82
  mouse events in 5-11 to 5-13, 5-30 to 5-70
  moving 5-65 to 5-70, 5-97 to 5-98
  part codes for 5-31 to 5-32
  pop-up menus 6-42 to 6-44
  rectangles for 5-18 to 5-19, 5-22 to 5-23, 5-25 to 5-26, 5-82, 5-118
    .*See also* display rectangles 5-26
  reference values for
    changing 5-105 to 5-106
    determining 5-105
    specifying 5-18, 5-25, 5-84, 5-120
  removing 5-108 to 5-109
  resizing 5-65 to 5-70, 5-98
  resources for. *See* control resources
  settings of
    changing 5-11, 5-37 to 5-43, 5-61, 5-65 to 5-70, 5-93 to 5-102
    determining 5-37 to 5-43, 5-102 to 5-107
    specifying initial 5-18 to 5-19, 5-21 to 5-23, 5-25 to 5-28, 5-83, 5-118 to 5-119
  standard 5-4, 5-15 to 5-29, 5-81 to 5-85
  text in 5-18, 5-19 to 5-20, 5-25
  titles of
    changing 5-96
    determining 5-104 to 5-105
    specifying 5-18, 5-19 to 5-20, 5-25, 5-83, 5-85, 5-120, 5-121
  types of 5-4 to 5-13
    . *See also* buttons; checkboxes; custom controls; pop-up menus; radio buttons; scroll bars
  updating 5-29 to 5-30
  visible 5-18, 5-19, 5-25, 5-83, 5-119
cooperative multitasking 2-10
coordinate systems 4-17 to 4-18
Copy command (Edit menu) 3-25, 6-69
`CountDITL` function 6-128
`CountMItems` function 3-81, 3-141
Create Publisher command (Edit menu) 3-25
creators
  assigning 7-33 to 7-34, 7-47 to 7-49
  defined 7-9 to 7-10
`CtlCTab` data type 5-77 to 5-80
`'ctrl'` folder type 7-54
current menu list 3-40
current process 2-28
cursor
  adjusting 2-66 to 2-68
  arrow 2-64
  cross 2-64
  I-beam 2-64
  plus 2-64
  setting the appearance of 2-63
  wristwatch 2-64
custom alert boxes
  creating with the `Alert` function 6-106 to 6-108
  defined 6-9
custom controls 5-11, 5-109 to 5-115
customized icons 7-17 to 7-18
Cut command (Edit menu) 3-25, 6-69
`CWindowPeek` data type 4-65
`CWindowPtr` data type 4-65
`CWindowRecord` data type 4-65 to 4-68

D

`DABeeper` global variable 6-172
`DAStrings` global variable 6-172
data forks 1-11
`dBoxProc` window type 4-9
`dBoxProc` window type 2-16, 6-25
`'dctb'` resource type 6-156 to 6-157
default buttons 6-10 to 6-11, 6-22, 6-30 to 6-31, 6-56 to 6-61
`DeleteMCEntries` procedure 3-147
`DeleteMenuItem` procedure 3-127 to 3-128
`DeleteMenu` procedure 3-109 to 3-110
`DelMCEntries` procedure. *See* `DeleteMCEntries` procedure
`DelMenuItem` procedure. *See* `DeleteMenuItem` procedure
desk accessories
  and System 7 7-13
  handling events in 2-36, 2-88, 2-96
desk accessory resource. *See* `'DRVR'` resource type
`'desk'` folder type 7-54
`DeskHook` global variable 4-75

DeskPattern global variable 4-113
desktop 7-3
desktop database 7-5, 7-45 to 7-46
Desktop file 7-5
Desktop Folder
  defined 7-43
  finding 7-54
Desktop Manager 7-45
desktop objects 3-20
desktop pattern 4-112
dial controls 5-11
dialog boxes
  accessing menus from 3-84, 6-68 to 6-73
  alert boxes, as distinguished from 6-6 to 6-8
  as windows 6-15 to 6-17
  closing 6-100 to 6-101
  creating 6-23 to 6-26, 6-113 to 6-119
  default colors of, changing 6-156 to 6-157
  defined 6-5
  displaying 6-61 to 6-75
  disposing of 6-113, 6-119 to 6-120
  event filter function for 6-86 to 6-89
  events in 2-25, 2-29 to 2-30, 6-82 to 6-100, 6-135 to 6-143
  examples of 1-9
  items in. *See* items in alert and dialog boxes
  types of 6-9 to 6-12
  window types for 4-9 to 4-10
dialog color table resources 6-75, 6-156 to 6-157
DialogCopy procedure 6-133
DialogCut procedure 6-132 to 6-133
DialogDelete procedure 6-134
Dialog Manager 6-5 to 6-172
  and Control Manager 5-3, 5-5, 5-16, 5-29, 5-31, 6-78
  and Menu Manager 6-68 to 6-73
  and TextEdit 6-79 to 6-80
  and Window Manager 4-13 to ??, 6-15 to 6-16
  application-defined routines for 6-143 to 6-147
  data structures in 6-101 to 6-102
  initializing 6-103 to 6-105
  localization guidelines 6-34 to 6-35, 6-39, 6-40, 6-80, 6-130
  resources in 6-147 to 6-164
    .*See also* alert color table resources; alert resources; dialog color table resources; dialog resources; item color table resources; item list resources
  routines in 6-102 to 6-147
  testing for availability of AppendDITL, ShortenDITL, and CountDITL routines 6-18
  user interface guidelines 6-8 to 6-12, 6-31 to 6-34, 6-37 to 6-41, 6-42, 6-62 to 6-64
DialogPaste procedure 6-133 to 6-134
DialogPeek data type 6-102
DialogPtr data type 6-102
DialogRecord data type 6-101 to 6-102
dialog records 6-101 to 6-102
dialog resources
  defined 6-15
  example of 6-24
  Rez input format for 6-24 to 6-26
  Rez output format for 6-148 to 6-149
DialogSelect function 2-29, 6-80, 6-89 to 6-93, 6-139 to 6-141
DIBadMount function 2-57
DInfo data type 7-50
directories, finding system-related 7-53 to 7-56
directory information record 7-50
disabled constant 3-8
disabled items 6-13
DisableItem procedure 3-58 to 3-59, 3-131 to 3-132
'disk' file type 7-20
disk-inserted events
  handling 2-56 to 2-57
  in alert and dialog boxes 6-87
  and the ModalDialog procedure 2-57
  and standard file dialog boxes 2-56
disks, opening 7-20
display rectangles, for items in alert and dialog boxes 6-29, 6-32 to 6-35
DispMCInfo procedure. *See* DisposeMCInfo procedure
DisposDialog procedure. *See* DisposeDialog procedure
DisposeControl procedure 5-108
DisposeDialog procedure 6-120
DisposeMCInfo procedure 3-145
DisposeMenu procedure 3-140
DisposeWindow procedure 4-105 to 4-106
DITLMethod data type 6-51, 6-166
'DITL' resource type. *See* item list resources
divider 3-12
DlgCopy procedure. *See* DialogCopy procedure
DlgCut procedure. *See* DialogCut procedure
DlgDelete procedure. *See* *DialogDelete* procedure
DlgFont global variable 6-172
DlgPaste procedure. *See* DialogPaste procedure
'DLOG' resource type. *See* dialog resources
documentProc window type 4-10
documents 5-9 to 5-10, 5-43 to 5-70
  creating icons for 7-16 to 7-17, 7-17 to 7-18
  creators of 7-9 to 7-10
  default icon for 7-12
  file types of 7-9 to 7-10, 7-18 to 7-20
  opening from the Finder 7-25 to 7-26
  prohibiting users from opening from Finder 7-30
  window types for 4-8
document windows
  defined 4-4
  positioning 4-30
  saving position of 4-34

window types for 4-8
doesActivateOnFGSwitch flag 2-118
double click, time between 2-38, 2-114
DragControl procedure 5-99 to 5-100
DragGrayRgn function 4-96 to 4-98
DragHook global variable 4-98, 4-100, 4-102, 4-104
drag region 4-12
DragWindow procedure 4-44, 4-94 to 4-95
Draw1Control procedure 5-88
DrawControls procedure 5-87 to 5-88
DrawDialog procedure 6-142
DrawGrowIcon procedure 4-12, 4-39, 4-86 to 4-87
DrawMenuBar procedure 3-51, 3-58, 3-113
DrawNew procedure 4-117
'drop' alias type 7-40
drop folder, alias type for 7-40
'DRVR' resource type 3-20, 3-68, 3-129, 3-130
DXInfo data type 7-50 to 7-51

E

editable text items
events in 6-79 to 6-80
getting text from 6-48 to 6-51, 6-130 to 6-131
highlighting default text in 6-131 to 6-132
setting text in 6-131, 6-153
specifying in dialog boxes 6-29 to 6-30, 6-153
Edition Manager 2-14
editions
creating icons for 7-16
defined 7-4
Edit menu 3-24 to 3-26
accessing from alert and dialog boxes 6-68 to 6-73
adjusting 3-75 to 3-76
Can't Undo command 3-25
Clear command 3-25, 6-69
Copy command 3-25, 6-69
Create Publisher command 3-25
Cut command 3-25, 6-69
Hide Clipboard command 3-25
Paste command 3-25, 6-69
Publisher Options command 3-25
Select All command 3-25
Show Clipboard command 3-25
Subscriber Options command 3-25
Subscribe To command 3-25
Undo command 3-25, 6-69
8-bit color icons 7-11
'empt' folder type 7-54
enabled constant 3-8
enabled items 6-13
EnableItem procedure 3-58 to 3-59, 3-131
EndUpdate procedure 4-50, 4-107
EndUpdate procedure 2-48, 2-50
EraseRect procedure 4-103
ErrorSound procedure 6-104
EventAvail function 2-21, 2-89 to 2-90
event classes 2-69
event filter functions 6-86 to 6-89, 6-145 to 6-147
event IDs 2-69
event loops 2-24 to 2-25
Event Manager 2-3 to 2-133
and Control Manager 5-3
application-defined routine for 2-115 to 2-116
data structures in 2-80 to 2-84
initializing 2-17
and MultiFinder 2-7
and the PPC Toolbox 2-7, 2-13
and the Process Manager 2-5
routines in 2-85 to 2-114
and the Scrap Manager 2-61
. *See also* Operating System Event Manager
testing for features 2-17
event masks
defined 2-22, 2-86
setting 2-26 to 2-29
event messages 2-19, 2-81
event queue
scanning for a cancel event 2-47
. *See also* high-level event queue
. *See also* Operating System event queue
structure of 2-84
EventRecord data type 2-80 to 2-82
event records 2-80 to 2-82
defined 2-4
and event loops 2-25
for high-level events 2-69, 2-70
events
activate 2-8, 2-51 to 2-56, 4-50 to 4-53
in alert boxes 2-29 to 2-30, 6-81 to 6-82, 6-86 to 6-89, 6-135
and modifier keys 2-34
Apple. *See* Apple events
auto-key 2-8, 2-38
in buttons in windows 5-31 to 5-37
cancel 2-47 to 2-48
in checkboxes in windows 5-38 to 5-39
Command-period 2-47
in controls 5-11 to 5-13, 5-30 to ??, 5-88 to 5-93, 6-78
defined 2-4
in desk accessories 2-36
in dialog boxes 2-29 to 2-30, 6-77 to 6-100, 6-135 to 6-143
disk-inserted 2-8, 2-56 to 2-57
in editable text items 6-79 to 6-80
filter function for, in alert and dialog boxes 6-86 to 6-89, 6-145 to 6-147
first click in an inactive window 4-42

getting information about 2-18 to 2-21
in gray areas of scroll bars 5-57 to 5-61
handling 2-26
high-level. *See* high-level events
in controls ?? to 5-70
interacting with the user from the background 2-12
in windows 4-21 to 4-22, 4-41 to 4-53
keyboard 2-8, 2-38 to 2-46
key-down 2-38
key-up 2-38, 2-39
low-level 2-8 to 2-9
masking out 2-27
in modal dialog boxes 6-82 to 6-89, 6-135 to 6-137
in modeless dialog boxes 6-138 to 6-141, 2-25, 6-89 to 6-100
and modifier keys 2-20 to 2-21
mouse-down 2-8, 2-33 to 2-38
mouse-down in windows 4-42 to 4-45
mouse-moved 2-12, 2-23, 2-63 to 2-68
mouse-up 2-8, 2-33
in movable modal dialog boxes 6-89 to 6-100, 6-138 to 6-141
null 2-9, 2-58
operating-system 2-10 to 2-12, 2-59 to 2-68
in pop-up menus 6-42
in pop-up menus in windows 5-31 to 5-37
priority of 2-15
processing 2-21 to 2-30
in radio buttons in windows 5-31 to 5-32
received in the background 2-12
receiving from other applications 2-70 to 2-72
resume 2-12, 2-61 to 2-63
in scroll arrows 5-57 to 5-61
in scroll bars 5-43 to 5-65
in scroll boxes 5-53 to 5-57
sources of 2-6
suspend 2-12, 2-61 to 2-63
switching contexts 2-15 to 2-16
types of 2-5, 2-18, 2-80
update 2-9, 2-48 to 2-51, 4-48 to 4-50
event types 2-18
`EvQEl` data type 2-84
exported AppleShare folder, alias type for 7-40
extended directory information record 7-50 to 7-51
extended file information record 7-49
Extensions folder
alias type for 7-40
defined 7-44
finding 7-54
`'extn'` folder type 7-54

F

`'faam'` alias type 7-40
`'fact'` alias type 7-40
`'fadr'` alias type 7-40
`'faet'` alias type 7-40
`'faex'` alias type 7-40
`'famn'` alias type 7-40
`'fapf'` alias type 7-40
`'fapn'` alias type 7-40
`'fash'` alias type 7-40
`'fast'` alias type 7-40
`'fasy'` alias type 7-40
`'fdrp'` alias type 7-40
`'ffil'` file type 7-37
file information record 7-34, 7-47 to 7-49
File menu 3-22 to 3-24
Close command 3-23, 7-18
New command 3-23
Open command 3-23
Page Setup command 3-23
Print command 3-23
Quit command 3-23, 7-18
Save As command 3-23
Save command 3-23
file reference resources 7-18 to 7-25, 7-64 to 7-65
files
data fork of 1-11
managing 1-15
resource fork of 1-11
.*See also* applications; documents
temporary 7-43
user comments associated with 7-45
file types
for alias files 7-40
`'appe'` 7-33, 7-47
`'APPL'` 7-10
assigning 7-9 to 7-10, 7-33 to 7-34, 7-47 to 7-49
`'****'` 7-20
defining in file reference resources 7-18 to 7-25
`'DFIL'` 7-37
`'disk'` 7-20
`'FFIL'` 7-37
`'ffil'` 7-37
`'fold'` 7-20
`'ifil'` 7-37
`'kfil'` 7-37
for movable resources 7-37
opening documents of particular
from applications 7-10
from the Finder 7-25 to 7-26
`'????'` 7-20
`'scri'` 7-44
`'sfil'` 7-37
for stationery pads 7-19

'tfil' 7-37
filter function
for GetSpecificHighLevelEvent 2-93 to 2-94, 2-115 to 2-116
.*See also* event filter functions
FindControl function 5-33 to 5-35, 5-44, 5-53 to 5-54, 5-58, 5-89 to 5-90
FindDialogItem function 6-125
FindDItem function. *See* FindDialogItem function
Finder
and Process Manager 7-25
and Resource Manager 7-3
application interface to 7-3 to 7-78
database for a volume 7-45 to 7-46
data structures used by 7-46 to 7-51
defined 7-3, 7-3 to 7-5
relation to File Manager 7-3
resources used by 7-6 to 7-32, 7-56 to 7-70
.*See also* application-missing message string resources; bundle resources; file reference resources; icon list resources
.*See also* large 4-bit color icon resources; large 8-bit color icon resources; missing-application name string resources; signature resources 7-56
.*See also* small 4-bit color icon resources; small 8-bit color icon resources; small icon list resources; version resources
routines for 7-51 to 7-56
user interface guidelines 7-13, 7-15
Finder flags 7-33 to 7-34, 7-47 to 7-48
Finder information, in the catalog file 7-32 to 7-34, 7-46 to 7-51
FindFolder function 7-53 to 7-56
FindWindow function 4-12, 4-44, 4-91 to 4-93
and mouse events 4-42 to 4-44
FindWindow function 5-32 to 5-33
and activate events 2-52
and mouse events 2-33 to 2-37
FInfo data type 7-34, 7-47 to 7-49
"first click" in an inactive window 4-7, 4-42
'FKEY' resource type 2-39, 2-87, 3-118
FlashMenuBar procedure 3-141 to 3-142
'fld#' resource type 7-55
floppy disks, alias type for 7-40
'flpy' alias type 7-40
FlushEvents procedure 2-94 to 2-95
folder resources 7-55
folders
alias type for 7-40
finding system-related 7-53 to 7-56
folder types 7-54
'fold' file type 7-20
'FOND' resource type 3-69
'font' folder type 7-54
Font menu 3-26 to 3-27, 3-69 to 3-70
adding fonts to 3-69 to 3-70
font resources
icon for 7-37 to 7-38
installing and removing 7-41
'FONT' resource type 3-69
fonts
bitmapped 3-27
suitcases for 7-37
TrueType 3-27
Fonts folder 7-44
foreground process 2-4
4-bit color icons 7-11
frames, window 4-6, 4-12 to 4-13
'FREF' resource type 7-18 to 7-25, 7-64 to 7-65
FrontWindow function 4-93 to 4-94
FSpGetFInfo function 7-34, 7-49
FSpSetFInfo function 7-34, 7-49
FXInfo data type 7-49

G

GetAlertStage function 6-66, 6-112
GetAlrtStage function. *See* GetAlertStage function
GetAuxCtl function. *See* GetAuxiliaryControlRecord function
GetAuxiliaryControlRecord function 5-107
GetAuxWin function 4-115 to 4-116
GetCaretTime function 2-114
GetControlAction function 5-106
GetControlMaximum function 5-41 to 5-42, 5-61, 5-104
GetControlMinimum function 5-103 to 5-104
GetControlReference function 5-105
GetControlTitle procedure 5-104 to 5-105
GetControlValue function 5-38 to 5-39, 5-41 to 5-42, 5-44, 5-53 to 5-55, 5-61, 5-103
GetControlVariant function 5-106 to 5-107
GetCRefCon function. *See* GetControlReference function
GetCTitle procedure. *See* GetControlTitle procedure
GetCtlAction function. *See* GetControlAction function
GetCtlMax function. *See* GetControlMaximum function
GetCtlMin function. *See* GetControlMinimum function
GetCtlValue function. *See* GetControlValue function
GetCVariant function. *See* GetControlVariant function
GetCWMgrPort procedure 4-113 to 4-114

GetDblTime function 2-114
GetDialogItem procedure 6-50, 6-121 to 6-122
GetDialogItemText procedure 6-50, 6-130 to 6-131
GetDItem procedure. *See* *GetDialogItem* procedure
GetEvQHdr function 2-101
getFrontClicks flag 2-119
GetGray function 3-91
GetGrayRgn function 4-113
GetItemCmd procedure 3-138 to 3-139
GetItemIcon procedure 3-137
GetItemMark procedure 3-135
GetItem procedure. *See* GetMenuItemText procedure
GetItemStyle procedure 3-133 to 3-134
GetIText procedure. *See* GetDialogItemText procedure
GetKeys procedure 2-111
GetMBarHeight function 3-113
GetMCEntry function 3-145 to 3-146
GetMCInfo function 3-52, 3-143 to 3-144
GetMenuBar function 3-112
GetMenu function 3-55, 3-106 to 3-108
GetMenuHandle function 3-122
GetMenuItemText procedure 3-80, 3-132 to 3-133
GetMHandle function. *See* GetMenuHandle function
GetMouse procedure 2-109
GetNewControl function 5-15 to 5-18, 5-24 to 5-25, 5-81 to 5-82
GetNewCWindow function 4-28, 4-76 to 4-77
GetNewDialog function 6-113 to 6-115
GetNewMBar function 3-50 to 3-52, 3-111 to 3-112
GetNewWindow function 4-28, 4-78 to 4-79
GetNextEvent function 2-21, 2-90 to 2-91
GetOSEvent function 2-98 to 2-99
GetPortNameFromProcessSerialNumber function 2-108
GetProcessInformation function 2-75
GetProcessSerialNumberFromPortName function 2-74, 2-83, 2-107
GetSpecificHighLevelEvent function 2-72, 2-78, 2-93 to 2-94
GetWindowPic function 4-110
GetWMgrPort procedure 4-114
GetWRefCon function 4-111
GetWTitle procedure 4-86
GetWVariant function 4-24, 4-112
global coordinates 4-17
GlobalToLocal procedure 5-34
graphics ports 4-17 to 4-18
gray areas, in scroll bars
  action procedures for 5-58 to 5-61
  defined 5-9
  events in 5-57 to 5-61
  part codes for 5-32
gray region 4-16
GrayRgn global variable 4-16, 4-95, 4-113, 4-116
grow images, of windows 4-57, 4-87
GrowWindow function 4-57 to 4-59, 4-99 to 4-100

H

hard disks, alias type for 7-40
hasBeenInited flag 7-48
hasBundle flag 7-34
hasCustomIcon flag 7-17 to 7-18, 7-34
hasNoINITS flag 7-48
'hdsk' alias type 7-40
help balloon resources 3-44, 3-68
help balloons
  for window frames 4-23
  for icons 7-38
help items, specifying in alert or dialog boxes 6-29 to 6-30, 6-155 to 6-156
Help menu 3-29 to 3-31
  accessing from alert and dialog boxes 6-68 to 6-69
  adding items to 3-67 to 3-68
  handling 3-81
  Hide Balloons command 6-68
  Show Balloons command 6-68
Hide Balloons command (Help menu) 6-68
Hide Clipboard command (Edit menu) 3-25
HideControl procedure 5-39 to 5-40, 5-65 to 5-67, 5-97
HideDialogItem procedure 6-123 to 6-124
HideDItem procedure. *See* HideDialogItem procedure
Hide Others command (Application menu) 3-33
HideWindow procedure 4-61, 4-89
hierarchical menus 3-38, 3-53 to 3-56
high-level event message record 2-73, 2-83 to 2-84
HighLevelEventMsg data type 2-73, 2-83
high-level event queue 2-7, 2-13
high-level events 2-13 to 2-15, 2-68 to 2-79
  accepting 2-70, 2-71
  defined 2-13
  determining the sender of 2-73
  event classes 2-69
  event IDs 2-69
  handling 2-68 to 2-79
  posting options 2-76
  receiving 2-69, 2-88
  replying to 2-75
  and return receipts 2-78
  searching for a specific event 2-72 to 2-73, 2-93
  . *See also* Apple events
  sending 2-74 to 2-78, 2-102
  supporting 2-25
  testing for availability 2-7

HiliteControl procedure 5-98 to 5-99, 6-13 to 6-14, 6-50 to 6-51, 6-74, 6-98
HiliteMenu procedure 3-71, 3-79, 3-119 to 3-120
HiliteWindow procedure 4-90
HiWord function 4-58
HMGetHelpMenuHandle function 3-67 to 3-68, 3-81, 3-123 to 3-124
'hmmu' resource type 3-44, 3-68
HMSetMenuResID procedure 6-71
hot spot 2-63
human interface guidelines
. *See* user interface guidelines
human interface guidelines. *See* user interface guidelines

I, J

I-beam cursor 2-64
'icl4' resource type
creating 7-11, 7-24
Rez output format for 7-59 to 7-60
'icl8' resource type
creating 7-11, 7-24
Rez output format for 7-61 to 7-62
'ICN#' resource type
creating 7-11 to 7-15
example of 7-14 to 7-15
Rez output format for 7-57 to 7-58
specifying in a bundle resource 7-20
icon families 7-11
icon list resources
creating 7-11 to 7-15
example of 7-14 to 7-15
Rez output format for 7-57 to 7-58
specifying in bundle resources 7-20
icon masks 7-13, 7-15
icon resources ('ICON' resource type) 7-63
'ICON' resource type 7-63
specifying a menu item's 3-46, 3-62, 3-154
icons
for applications 7-10 to 7-15
black and white 7-13, 7-15
color 7-15 to 7-16
creating 7-11 to 7-18
customizing 7-17 to 7-18
defaults used by Finder 7-12, 7-40
defined 7-3
for documents 7-16 to 7-17, 7-17 to 7-18
for editions 7-16
8-bit color 7-11
for font resources 7-37
4-bit color 7-11
for keyboard layout resources 7-37
large 7-10, 7-13
for menu items 3-62 to 3-64
in menus 3-12, 3-62 to 3-64, 3-154
for query documents 7-16
reduced 3-62 to 3-63
for script system resource collections 7-37
.*See also* icon families
small 7-13, 7-15
for sound resources 7-37
specifying in alert or dialog boxes 6-29 to 6-30, 6-154
for stationery pads 7-16, 7-19, 7-36
system 7-12
for TrueType font resources 7-37
'ics4' resource type
creating 7-11, 7-24
Rez output format for 7-60 to 7-61
'ics8' resource type
creating 7-11, 7-24
Rez output format for 7-62 to 7-63
'ics#' resource type
creating 7-11, 7-15, 7-24
Rez output format for 7-58 to 7-59
'ictb' resource type 6-158 to 6-164
'ifil' file type 7-37
inactive controls 5-13, 6-13 to 6-14
inactive windows 4-6 to 4-7
handling mouse-down events in 4-43
indicators, in controls
defined 5-11
dragging 5-35, 5-99 to 5-100, 5-114 to 5-115
Info box. *See* information windows
information windows
using the stationery checkbox in 7-34
using to customize icon 7-17
version information in 7-8, 7-32
InitDialogs procedure 6-103 to 6-104
'INIT' file type 7-44
InitMenus procedure 3-103 to 3-104
InitProcMenu procedure 3-104
InitWindows procedure 4-75
input methods 3-32
InsertMenuItem procedure 3-64 to 3-67, 3-126 to 3-127
InsertMenu procedure 3-55, 3-108 to 3-109
InsertResMenu procedure 3-69, 3-129 to 3-130
InsMenuItem procedure. *See* InsertMenuItem procedure
InvalMenuBar procedure 3-114
InvalRect procedure 4-107 to 4-108
InvalRgn procedure 4-59, 4-108
IPCListPorts function 2-75
is32BitCompatible flag 2-119
isAlias flag 7-40
IsDialogEvent function 2-29, 6-77, 6-138 to 6-139
isHighLevelEventAware flag 2-120

isInvisible flag 7-34
isOnDesk flag 7-48
isShared flag 7-34, 7-48
isStationeryAware flag 2-120
isStationery flag 7-34
item color table resources 6-158 to 6-164
item list resources
  counting items in 6-128
  defined 6-13
  example of 6-27 to 6-28
  Rez input format for 6-26 to 6-30
  Rez output format for 6-151 to 6-156
  specifying for a dialog box 6-24
  specifying for an alert box 6-20
item numbers 6-28
items in alert and dialog boxes
  adding 6-51 to 6-56, 6-125 to 6-127
  copying editable text from 6-133
  counting 6-128
  creating 6-26 to 6-44
  cutting editable text from 6-132 to 6-133
  default colors of, changing 6-158 to 6-164
  defined 6-13
  deleting editable text from 6-134
  display rectangles for 6-29, 6-32 to 6-35
  drawing application-defined 6-143 to 6-144
  enabled and disabled 6-13, 6-36
  finding item numbers of 6-125
  getting handles to 6-121 to 6-122
  getting text strings from 6-130 to 6-131
  hiding 6-123 to 6-124
  highlighting default text in 6-131 to 6-132
  item numbers for 6-28
  keyboard navigation 6-44
  manipulating 6-44 to 6-56, 6-120 to 6-128
  pasting editable text into 6-133 to 6-134
  pictures 6-29 to 6-30
  redisplaying after hiding 6-124
  removing 6-127 to 6-128
  .*See also* application-defined items; buttons; checkboxes; controls; editable text items; icons; item list resources; pop-up menus; radio buttons; static text items; pictures
  setting or changing 6-122 to 6-123
  setting text strings in 6-131
  substituting text in 6-129 to 6-130
  types of 6-13 to 6-14, 6-30
'itlc' resource type 3-32, 3-33
'itlk' resource type 2-41

K

'KCHR' resource type 2-39 to 2-42, 3-17
keyboard equivalents 3-18 to 3-19
  commonly used 3-19
  defining 3-47
  reserved 3-18
keyboard events
  in alert boxes 6-86 to 6-89
  in dialog boxes 6-79 to 6-80, 6-86 to 6-89, 6-94 to 6-97
  handling 2-38 to 2-46
  in windows 4-47
keyboard layout resource 3-17, 3-32, 3-33
keyboard layout resources 2-39 to 2-42
Keyboard menu 3-32 to 3-33
  accessing from alert and dialog boxes 6-68 to 6-69
  added by Menu Manager 3-19
keyboard resources
  icon for 7-37 to 7-38
  'KCHR' 2-39 to 2-42
  'KMAP' 2-21, 2-39 to 2-42
keyboards 2-40
  Apple Extended Keyboard II, domestic 2-43
  Apple Extended Keyboard II, ISO 2-43
  Apple Keyboard II, ISO 2-42
  getting the state of 2-111
key-down events
  defined 2-8
  handling keyboard equivalents 3-77 to 3-78
  receiving 2-38 to 2-47
KeyMap data type 2-111
KeyTrans function. *See* KeyTranslate function
KeyTranslate function 2-111 to 2-112, 3-78
key-up events 2-8, 2-29
'kfil' file type 7-37
KillControls procedure 5-108 to 5-109
'KMAP' resource type 2-21, 2-39 to 2-42

L

Label menu commands 7-16
large 8-bit color icon resources
  creating 7-11, 7-24
  Rez output format for 7-61 to 7-62
large 4-bit color icon resources
  creating 7-11, 7-24
  Rez output format for 7-59 to 7-60
large icons (32-by-32 pixel) 7-10, 7-11
launching applications, from the Finder 7-25 to 7-26
listings. *See* sample routines
List Manager, and Control Manager 5-3
localAndRemoteHLEvents flag 2-120
local coordinates 4-18
local IDs
  in bundle resources and file reference resources 7-18, 7-22, 7-24

for mapping resources 7-18 to 7-25
localization guidelines
for Control Manager 5-15, 5-19 to 5-20, 5-85, 5-120
for Dialog Manager 6-34 to 6-35, 6-39, 6-40, 6-80, 6-130
location names 2-74, 2-76
low-level events
handling 2-32 to 2-58
receiving 2-21
`LoWord` function 4-58

M

Macintosh Toolbox
features provided by 1-4
introduction to 1-3 to 1-16
`'macs'` folder type 7-54
major switches 2-16
marking character in a menu item 3-12
masks
events. *See* event masks
icon 7-13, 7-15
`MBarEnable` global variable 3-121
`'MBAR'` resource type 3-50, 3-155
`'MBDF'` resource type 3-9, 3-87, 3-104
`MCEntry` data type 3-99
`MCTable` data type 3-99
`MCTableHandle` data type 3-99
`'mctb'` resource type 3-52, 3-99, 3-143, 3-155 to 3-157
`'MDEF'` resource type 3-87, 3-157
memory, allocating 1-15
menu bar
accessing from alert and dialog boxes 6-68 to 6-73
creating 3-49 to 3-50
defined 3-6, 3-10
handling mouse-down events in 3-72
installing 3-41
menu bar definition function 3-9, 3-87, 3-104
`MenuChoice` function 3-118 to 3-119
menu color information table 3-52, 3-98 to 3-102
menu bar entry 3-100
menu item entry 3-101
menu title entry 3-101
menu color information table resources 3-155 to 3-157
menu commands
About (Apple menu) 3-21
Can't Undo (Edit menu) 3-25
for changing colors in the Finder 7-16
Clear (Edit menu) 3-25, 6-68 to 6-69
Close (File menu) 3-23
Copy (Edit menu) 3-25, 6-68 to 6-69
Create Publisher (Edit menu) 3-25
Cut (Edit menu) 3-25, 6-68 to 6-69
Hide Balloons (Help menu) 6-68
Hide Clipboard (Edit menu) 3-25
Hide Others (Application menu) 3-33
keyboard equivalents for 3-16 to 3-19, 3-154
New (File menu) 3-23
None (Color menu) 7-16
Open (File menu) 3-23
Other (Size menu) 3-28
Page Setup (File menu) 3-23
Paste (Edit menu) 3-25, 6-68 to 6-69, 7-17
Print (File menu) 3-23
Publisher Options (Edit menu) 3-25
Quit (File menu) 3-23
Save (File menu) 3-23
Save As (File menu) 3-23
Select All (Edit menu) 3-25
Show Balloons (Help menu) 3-30, 6-68
Show Clipboard (Edit menu) 3-25
Subscriber Options (Edit menu) 3-25
Subscribe To (Edit menu) 3-25
Undo (Edit menu) 3-25, 6-68 to 6-69
menu commands. *See* menu items
menu definition procedure 3-148 to 3-151
and the A5 register 3-150
defined 3-9
drawing color menus 3-91
handling scrolling in menus 3-91, 3-93
standard 3-148
writing 3-87 to 3-95
menu handle 3-95, 3-122
`MenuHandle` data type 3-95
menu ID 3-40, 3-152
`MenuInfo` data type 3-96 to 3-97
menu items 3-12 to 3-16
in an accumulating group 3-15
adding to Apple menu 3-68 to 3-69
adding to Help menu 3-67 to 3-68
adding to menus 3-64 to 3-70
appearance 3-12 to 3-14
changing
font style of 3-60
icon of 3-62 to 3-64
mark of 3-61 to 3-62
script code of 3-62
text of 3-59 to 3-60
characteristics 3-12 to 3-14
disabling 3-8, 3-58 to 3-59, 3-74 to 3-76
divider 3-12
enabling 3-8, 3-58 to 3-59, 3-74 to 3-76
font style of 3-47, 3-154
grouping 3-14 to 3-16
handling user selection of 3-70 to 3-78
icon of 3-154
item numbers 3-40
keyboard equivalents for 3-16 to 3-19, 3-154

marking character of 3-154
metacharacters in 3-65
in a mutually exclusive group 3-14
providing help balloons for 3-7
script code of 3-47, 3-62, 3-154
script of 3-12
specifying the characteristics of 3-45 to 3-47
submenu for 3-47, 3-154
terms to use in help balloons and user documentation 3-8
text of 3-12 to 3-13
`MenuKey` function 3-71, 3-77 to 3-78, 3-117 to 3-118
menu lists 3-40, 3-97 to 3-98
Menu Manager 3-5 to 3-167
and Dialog Manager 6-68 to 6-73
application-defined routines for 3-148 to 3-151
data structures in 3-95 to 3-102
data structures maintained by 3-40 to 3-41
initializing 3-103 to 3-104
localization guidelines 3-10, 3-16 to 3-18, 3-43
routines in 3-102 to 3-147
routines names, mapping of 3-102
testing for availability 3-42
user interface guidelines 3-5 to 3-38
menu records 3-40, 3-95 to 3-97
menu resource 3-151 to 3-154
`'MENU'` resource type 3-42 to 3-48, 3-152 to 3-154
menus
accessing from alert and dialog boxes 3-84 to 3-86, 6-68 to 6-73
adding items to 3-64 to 3-70
adjusting items in 3-73 to 3-76
Apple menu. *See* Apple menu
Application menu. *See* Application menu
color 3-11
creating 3-42 to 3-57, 3-105 to 3-108
hierarchical 3-53 to 3-56
pop-up 3-56 to 3-57, 5-25 to 5-29, 6-42 to 6-44
pull-down 3-42 to 3-56
disabling for alert and dialog boxes 6-68 to 6-73
disposing of 3-112, 3-140
Edit menu. *See* Edit menu
File menu. *See* File menu
Font menu. *See* Font menu
grouping items in 3-14 to 3-16
help balloons for 3-31
Help menu. *See* Help menu
hierarchical 3-6, 3-38, 3-53 to 3-56
items. *See* menu items
keyboard equivalents for 3-16 to 3-19, 3-154
Keyboard menu. *See* Keyboard menu
localizing 3-10
menu ID 3-152
pop-up. *See* pop-up menus
pull-down 3-6, 3-42
resource ID 3-44, 3-153
Size menu. *See* Size menu
Style menu. *See* Style menu
submenus 3-6, 3-53 to 3-56
system-handled 3-19
titles of 3-7, 3-10
types of 3-6
`MenuSelect` function 3-8, 3-70, 3-72, 3-73, 3-78 to 3-79, 3-115 to 3-117
menus. *See also* Apple menu; Application menu; Edit menu; File menu; Font menu; Size menu; Style menu
message string resources 7-27 to 7-30
minor switches 2-16
missing-application name string resources 7-27 to 7-30, 7-68
modal dialog boxes
accessing menus from 6-68 to 6-73
closing 6-100 to 6-101
creating 6-23 to 6-26, 6-113 to 6-119
defined 6-10 to 6-11
displaying 6-61, 6-62 to 6-75
event filter function for 6-86 to 6-89, 6-145 to 6-147
events in 6-82 to 6-86, 6-135 to 6-137
window types for 4-9
`ModalDialog` procedure 6-84, 6-135 to 6-137
and menus 3-86
and disk-inserted events 2-57
modeless dialog boxes
accessing menus from 6-68 to 6-73
closing 6-100 to 6-101
creating 6-23 to 6-26, 6-113 to 6-119
defined 6-12
displaying 6-61 to 6-67
events in 6-89 to 6-100, 6-138 to 6-141
titles for 6-25
window types for 4-10
modifier keys 2-20 to 2-21, 2-82, 3-77
mounted folder, alias type for 7-40
mouse
determining location of 2-109
getting information about 2-109
mouse-down events
in alert boxes 6-78, 6-81 to 6-82
in controls 5-11 to 5-13, 5-30 to 5-70
in desk accessories 2-88, 2-96
in dialog boxes 6-78 to 6-80, 6-82 to 6-94
handling 2-33 to 2-38
in windows 4-42 to 4-45
in the menu bar 3-72 to 3-73
mouse driver 2-63
mouse-moved events 2-23, 2-63 to 2-68, 2-87
handling 2-63 to 2-68
mouse region 2-23, 2-65 to 2-68
mouse-up events 2-33

in alert boxes 6-78, 6-81 to 6-82
in controls 5-11 to 5-13, 5-30 to 5-70
in dialog boxes 6-78 to 6-80, 6-82 to 6-94
movableDBoxProc window type 4-9
movableDBoxProc window type 3-85, 6-25
movable modal dialog boxes
accessing menus from 6-68 to 6-73
closing 6-100 to 6-101
creating 6-23 to 6-26, 6-113 to 6-119
defined 6-11 to 6-12
displaying 6-61, 6-62
events in 6-89 to 6-100, 6-138 to 6-141
titles for 6-25
window types for 4-9
movable resources 7-36 to 7-38
MoveControl procedure 5-67 to 5-70, 5-97 to 5-98
MoveWindow procedure 4-95 to 4-96
MultiFinder 2-7
MyAction procedure 5-116 to 5-117
MyAlertSound procedure 6-144 to 6-145
MyControl function 5-110 to 5-115
MyEventFilter function 6-145 to 6-147
MyIndicatorAction procedure 5-117
MyItem procedure 6-143 to 6-144

N

nameLocked flag 7-18, 7-34
name string resources for applications 7-27 to 7-30
networks, using shared Trash directories on 7-44
NewCDialog function. *See* NewColorDialog function
NewColorDialog function 6-115 to 6-118
New command (File menu) 3-23
NewControl function 5-82 to 5-85
NewCWindow function 4-79 to 4-82
NewDialog function 6-118 to 6-119
NewMenu function 3-105 to 3-106
NewWindow function 4-82 to 4-85
noGrowDocProc window type 4-10
noGrowDocProc window type 6-25
NoteAlert function 6-110
note alerts
creating with the NoteAlert function 6-110
defined 6-8
Notification Manager, and operating-system events 2-12
null events
defined 2-9
and event masking 2-28
handling 2-58

O

OldContent global variable 4-117
OldStructure global variable 4-117
onlyBackground flag 2-118
Open command (File menu) 3-23
OpenDeskAcc function 3-21, 3-80 to 3-81
Open Documents events 7-20, 7-25 to 7-26
opening
applications, from the Finder 7-25 to 7-26
disks 7-20
documents 7-25 to 7-26
folders 7-20
Operating System Event Manager 2-3, 2-7
. *See also* Event Manager
Operating System event queue
defined 2-6
flushing events from 2-94
operating-system events
defined 2-10 to 2-12
handling 2-59 to 2-68
Option key 2-20
OSEventAvail function 2-99 to 2-100
Other command (Size menu) 3-28 to 3-29, 3-82 to 3-84

P

page regions, in scroll bars. *See* gray areas
Page Setup command (File menu) 3-23
PaintBehind procedure 4-118 to 4-119
PaintOne procedure 4-118
PaintWhite global variable 4-118, 4-119
Palette Manager, and system color tables 4-21
ParamText procedure 6-47, 6-129 to 6-130
part codes 5-31 to 5-32
partitions
sizes of 2-30, 2-116
Paste command (Edit menu)
and dialog boxes 6-69
and information windows 7-17
introduced 3-25
PBGetCatInfo function 7-34, 7-49
PBMountVol function 2-56
pCDeskPat parameter-RAM bit flag 4-113
pictures, in alert or dialog boxes 6-29 to 6-30, 6-154
PinRect function 4-99
plainDBoxProc window type 4-9
pop-up menus 3-33 to 3-38
action procedure for 5-36 to 5-37
active 5-11 to 5-13
control definition function for 3-33, 3-34 to 3-36, 5-14
control definition ID for 5-14
creating 3-56 to 3-57, 5-25 to 5-29

defined 3-6, 5-6 to 5-7
events in, in windows 5-31 to 5-37
inactive 5-11 to 5-13
in dialog boxes 6-42 to 6-44
testing for availability 3-42
type-in fields 3-37
variation codes for 5-27 to 5-28
PopUpMenuSelect function 3-57, 3-120 to 3-121
popupPrivateData data type 5-77
port names 2-76
and receiving high-level events 2-74
converting to process serial numbers 2-106
port rectangle 4-18, 4-101, 4-103
of Window Manager port 4-75
PostEvent function 2-105 to 2-106
PostHighLevelEvent function 2-74 to 2-78, 2-102 to 2-104
posting options 2-76
PPC (Program-to-Program Communications) Toolbox 1-16, 2-7
PPCBrowser function
filling in a target ID record 2-78
finding a specific port 2-76
posting a high-level event 2-75 to 2-76
PPostEvent function 2-104 to 2-105
preferences files 7-43
Preferences folder
alias type for 7-40
defined 7-43
finding 7-54
storing files in 7-43
'pref' folder type 7-54
Print command (File menu) 3-23
Print Documents events 7-25 to 7-26
PrintMonitor Documents folder
alias type for 7-40
defined 7-44
finding 7-54
'prnt' folder type 7-54
processes
background 2-4
context of 2-15
foreground 2-4
switching between 2-5, 2-15
Process Manager
and Event Manager 2-3
and the Finder 7-25
process serial numbers, converting to port names 2-106 to 2-108
Program-to-Program Communications (PPC) Toolbox 1-16, 2-7
Publisher Options command (Edit menu) 3-25
pull-down menus
creating 3-43 to 3-52
defined 3-6

Q

QHdr data type 2-84
query documents
creating icons for 7-16, 7-17
default icon for 7-12
defined 7-4
QuickDraw 1-14
coordinate systems in 4-17 to 4-18
.*See also* Color QuickDraw 4-17
Quit command (File menu) 3-23

R

radio buttons
active 5-11 to 5-13
control definition ID for 5-14
creating, in windows 5-20 to 5-21
defined 5-6
events in 6-78
events in, in windows 5-31 to 5-32
inactive 5-11 to 5-13
part code for 5-32
specifying in alert or dialog boxes 6-153
rDocProc window type 4-10
rectangles, for controls 5-18 to 5-19, 5-25 to 5-26, 5-82, 5-118
. *See also* display rectangles
refCon field 4-111
reference values
changing, for controls 5-105 to 5-106
determining, for controls 5-105
for pop-up menus 5-28
specifying, for controls 5-18, 5-25, 5-84, 5-120
region codes, in version resources 7-31
requiresSwitchLaunch flag 7-48
Rescued Items from *volume name* folders 7-44
ResetAlertStage procedure 6-112
ResetAlrtStage procedure. *See* ResetAlertStage procedure
resizing windows 4-57 to 4-59
ResolveAliasFile function 7-52 to 7-53
resource forks 1-11
resource IDs
defined 1-11
for cursors 2-64
for icons in menu items 3-62
Resource Manager 1-11 to 1-13
and Control Manager 5-3
and the Finder 7-3
resource maps 1-12
resources 1-11 to 1-13
alert 6-19 to 6-22, 6-150 to 6-151

alert color table 6-157 to 6-158
alias record 7-40
application-missing message string 7-68 to 7-69
bundle 7-20 to 7-25, 7-65 to 7-68
color icon 3-62, 7-64
control 5-18 to 5-29, 5-118 to 5-121
control color table 5-121 to 5-123
control definition function 5-14, 5-109 to 5-115
defined 1-11
dialog 6-15, 6-24 to 6-26, 6-148 to 6-149
dialog color table 6-75 to 6-76, 6-156 to 6-157
driver 3-20, 3-68, 3-129, 3-130
file reference 7-18 to 7-25, 7-64 to 7-65
folder 7-55
font 3-69
font family 3-69
icon 3-62, 7-63
icon list 7-13, 7-57 to 7-58
international configuration 3-32
item color table 6-158 to 6-164
item list. *See* item list resources
keyboard-layout 2-39
key-map 2-39, 2-41, 2-42
key-remap 2-39, 2-41
large 4-bit color icon 7-59 to 7-60
large 8-bit color icon 7-61 to 7-62
menu 3-151 to 3-154
menu bar 3-155
menu bar definition function 3-9, 3-87, 3-104
menu color information table 3-155 to 3-157
menu definition procedure 3-157
missing-application name string 7-68
movable 7-36 to 7-38
signature 7-8 to 7-10
size 2-116 to 2-120, 7-35
small 4-bit color icon 7-60 to 7-61
small 8-bit color icon 7-62 to 7-63
small icon 3-62
small icon list 7-58 to 7-59
sound 7-37 to 7-38
string 3-60
string list 3-60, 3-65 to 3-67
System file, in the 1-12
used by the Finder 7-6 to 7-32
version 7-31 to 7-32, 7-69 to 7-70
window 4-22, 4-25 to 4-27, 4-124 to 4-127
window color table 4-127 to 4-129
window definition function 4-22, 4-120, 4-127
resource types 1-11
'actb' 6-157 to 6-158
'alis' 7-40
'ALRT'. *See* alert resources
'BNDL' 7-20 to 7-25, 7-65 to 7-68
'cctb' 5-121 to 5-123
'CDEF' 5-14, 5-109 to 5-115
'cicn' 3-62, 3-154, 7-64
'CNTL' 5-18 to 5-29, 5-118 to 5-121
'dctb' 6-156 to 6-157
'DITL'. *See* item list resources
'DLOG'. *See* dialog resources
'DRVR' 3-20, 3-68, 3-129, 3-130
'FKEY' 2-39, 3-118
'fld#' 7-55
'FOND' 3-69, 3-129, 3-130
'FONT' 3-69, 3-129, 3-130
'FREF' 7-18 to 7-25, 7-64 to 7-65
'hmmu' 3-44, 3-68
'icl4' 7-59 to 7-60
'icl8' 7-61 to 7-62
'ICN#' 7-20, 7-57 to 7-58
'ics#' 7-58 to 7-59
'ICON' 3-62, 3-154, 7-63
'ics#' 7-15
'ics4' 7-60 to 7-61
'ics8' 7-62 to 7-63
'ictb' 6-158 to 6-164
'itlc' 3-32
'itlk' 2-41
'KCHR' 2-39 to 2-42
'KMAP' 2-39 to 2-42
'MBAR' 3-155
'MBDF' 3-9, 3-87, 3-104
'mctb' 3-155 to 3-157
'MDEF' 3-157
'MENU' 3-151 to 3-154
'SICN' 3-62, 3-154
'SIZE' 2-116 to 2-120, 7-35
'STR ' 3-60, 7-27 to 7-30
'STR#' 3-60, 3-65 to 3-67
'vers' 7-31 to 7-32, 7-69 to 7-70
'wctb' 4-127 to 4-129
'WDEF' 4-22, 4-120, 4-127
'WIND' 4-22, 4-25 to 4-27, 4-124 to 4-127
resume events
defined 2-10
handling 2-61 to 2-63
ResumeProc global variable 6-172
return receipts 2-76, 2-78
RGBColor data type 5-79

S

sample code. *See* sample routines
sample routines
DisplayMyDialog 6-58
DoActivate 2-54, 4-51 to 4-52
DoActivateGlobalChangesDialog 6-98
DoCloseCmd 4-60 to 4-61, 6-94

DoContentClick 5-33, 5-53, 6-92
DoCopyResource 7-29
DoDiskEvent 2-57
DoDrumRollCheckBox 5-38
DoEvent 2-26, 3-72, 3-77
DoGlobalChangesDialog 6-67
DoGraphicsScroll 5-47
DoGrowWindow 4-58 to 4-59
DoHighLevelEvent 2-71
DoIdle 2-58, 6-79
DoKeyDown 2-45, 3-78, 6-95
DoMenuCommand 3-79
DoMouseDown 2-34, 3-72, 4-44 to 4-45, 5-32, 6-91
DoNew 5-24
DoNewCmd 4-28 to 4-29
DoOpenFile 4-37 to 4-38
DoOSEvent 2-60
DoPlayButton 5-36
DoPopUpMenu 5-37
DoSaveAsCmd 7-28
DoShowModelessFindDialogBox 4-64
DoSpellBoxWithSpanish 6-54
DoSuspendResumeEvent 2-62
DoUpdate 2-51, 4-50, 5-29, 5-62, 6-99
DoZoomWindow 4-55 to 4-56
IsStationeryDoc 7-36
MyAddHelpItem 3-68
MyAdjustCursor 2-66
MyAdjustEditMenuForDocWindow 3-75
MyAdjustEditMenuForModalDialogs 6-72
MyAdjustFileMenuForDocWindow 3-74
MyAdjustHV 5-41
MyAdjustMenus 3-74, 6-70
MyAdjustMenusForDialogs 6-70
MyAdjustScrollBars 5-39
MyAdjustScrollSizes 5-67
MyAdjustScrollValues 5-40
MyAlert 6-66
MyAlertSound 6-22
MyChangeMenuBarAndSaveColorInfo 3-52
MyCloseDocument 4-61 to 4-62, 6-47
MyCreatePlaySoundsWindow 5-17
MyDrawDefaultButtonOutline 6-59
MyDrawGraphicsWindow 5-63
MyDrawWindow 4-39, 5-30, 5-65
MyEventFilter 6-88
MyEventLoop 2-24
MyGetLocalUpdateRgn 4-60
MyGetWindowType 4-25
MyHandleAppleCommand 3-80
MyHandleHelpCommand 3-81
MyHandleKeyDown 2-45, 6-95
MyHandleKeyDownInModeless 6-96
MyHandleModelessDialogs 6-49
MyHandleSizeCommand 3-83
MyHorzntlActionProc 5-59
MyMakeAllMenus 3-70
MyMakeMenus 3-50
MyMakeSubMenu 3-55
MyMDEF 3-89
MyMoveScrollBox 5-61
MyOpen 7-41
MyPostTest 2-75
MyPostWithPPCBrowser 2-77
MyResizeWindow 4-59
MySaveWindowPosition 4-34 to 4-35
MySetWindowPosition 4-36 to 4-37
MySpellCheckDialog 6-83
MyToggleHideShow 3-59
MyVerticalActionProc 5-59
ShowMyAboutBox 6-65
UserDidCancel 2-47
Save As command (File menu) 3-23
Save command (File menu) 3-23
SaveOld procedure 4-117
SaveUpdate global variable 4-118
SaveVisRgn global variable 4-106
scrap
converting global to private 2-12
converting private to global 2-12
scrap coercion 2-59, 2-62
Scrap Manager 1-14, 2-61
'scri' file type 7-44
script, changing a menu item's 3-62, 3-154
script code, for menu item text 3-47, 3-62
script system resource collections, icon for 7-37
scroll arrows
action procedures for 5-58 to 5-61
defined 5-8 to 5-9
events in 5-57 to 5-61
part codes for 5-32
scroll bars
activating 5-13
active 5-11 to 5-13
and List Manager 5-3
changing settings and display of 5-9 to 5-10, 5-39 to 5-43, 5-44, 5-61, 5-70
control definition ID for 5-14
creating, in windows 5-21 to 5-25
defined 5-7 to 5-10
document scrolling with 5-9 to 5-10, 5-43 to 5-70
events in 5-31 to 5-32, 5-43 to 5-65
inactive 5-11 to 5-13
moving and resizing 5-65 to 5-70
. *See also* gray areas; scroll arrows; scroll boxes
updating 5-30
as a window element 4-6
scroll boxes
action procedure for 5-36
defined 5-7 to 5-8

dragging 5-35
events in 5-53 to 5-57
moving 5-9 to 5-10, 5-39 to 5-43, 5-44, 5-61, 5-70
part code for 5-32
ScrollRect procedure 5-46 to 5-48, 5-56 to 5-57
Select All command (Edit menu) 3-25
SelectDialogItemText procedure 6-131 to 6-132
SelectWindow procedure 4-87 to 4-88
SelectWindow procedure 2-52
SelIText procedure. *See* SelectDialogItemText procedure
SendBehind procedure 4-91
servers, alias type for 7-40
session reference number 2-74
SetControlAction procedure 5-102
SetControlColor procedure 5-101
SetControlMaximum procedure 5-41 to 5-43, 5-70, 5-95 to 5-96
SetControlMinimum procedure 5-95
SetControlReference procedure 5-105 to 5-106
SetControlTitle procedure 5-96
SetControlValue procedure 5-38 to 5-39, 5-42 to 5-43, 5-44, 5-61, 5-94 to 5-95
SetCRefCon procedure. *See* SetControlReference procedure
SetCTitle procedure. *See* SetControlTitle procedure
SetCtlAction procedure. *See* SetControlAction procedure
SetCtlColor procedure. *See* SetControlColor procedure
SetCtlMax procedure. *See* SetControlMaximum procedure
SetCtlMin procedure. *See* SetControlMinimum procedure
SetDAFont procedure. *See* SetDialogFont procedure
SetDeskCPat procedure 4-112 to 4-113
SetDialogFont procedure 6-105
SetDialogItem procedure 6-122 to 6-123
SetDialogItemText procedure 6-131
SetDItem procedure. *See* SetDialogItem procedure
SetEventMask procedure 2-100 to 2-101
SetItemCmd procedure 3-139 to 3-140
SetItemIcon procedure 3-62 to 3-64, 3-137 to 3-138
SetItemMark procedure 3-61 to 3-62, 3-135 to 3-136
SetItem procedure. *See* SetMenuItemText procedure
SetItemStyle procedure 3-60, 3-134
SetIText procedure. *See* SetDialogItemText procedure
SetMCEntries procedure 3-146 to 3-147
SetMCInfo procedure 3-52, 3-144
SetMenuBar procedure 3-50 to 3-51, 3-112 to 3-113
SetMenuFlash procedure 3-142
SetMenuItemText procedure 3-59 to 3-60, 3-133
SetOrigin procedure 5-44 to 5-45, 5-63 to 5-64
SetPort procedure 6-62
SetWinColor procedure 4-114 to 4-115
SetWindowPic procedure 4-110
SetWRefCon procedure 4-111
SetWTitle procedure 4-85
'sfil' file type 7-37
shared folder, alias type for 7-40
Shift key 2-20
ShortenDITL procedure 6-127 to 6-128
Show Balloons command (Help menu) 6-68
Show Clipboard command (Edit menu) 3-25
ShowControl procedure 5-39 to 5-40, 5-66 to 5-67, 5-86
ShowDialogItem procedure 6-124
ShowDItem procedure. *See* ShowDialogItem procedure
ShowHide procedure 4-89 to 4-90
ShowWindow procedure 4-88
ShowWindow procedure 6-61
'SICN' resource type
specifying a menu item's 3-62, 3-154
signature resources 7-8 to 7-10
signatures
in bundle resources 7-20
as creators 7-9
defined 7-8
registering 7-8 to 7-10
16-by-16 pixel icons (small) 7-11, 7-15
size box 4-6
SizeControl procedure 5-67 to 5-70, 5-98
Size menu 3-27 to 3-29, 3-82
handling 3-82 to 3-84
Other command 3-28 to 3-29
size region 4-12
size resources 2-116 to 2-120, 7-35
'SIZE' resource type 2-116 to 2-120, 7-35
and null events 2-9, 2-58
creating 2-30 to 2-32
defined 2-30 to 2-32, 2-116 to 2-120
flags, defined 2-117 to 2-120
sample Rez input 2-31
scheduling option flags 2-16
setting flags for high-level events 2-69
setting flags of 2-9, 2-11, 2-16, 2-52
SizeWindow procedure 4-60, 4-101
sleep value 2-22
slider controls 5-11
small 8-bit color icon resources
Rez output format for 7-62 to 7-63
creating 7-11, 7-24
small 4-bit color icon resources
creating 7-11, 7-24
Rez output format for 7-60 to 7-61

small icon list resources
  creating 7-11, 7-15, 7-24
  Rez output format for 7-58 to 7-59
small icons (16-by-16 pixel)
  resource IDs for 7-15
  resources for 7-10
sound resources
  icon for 7-37 to 7-38
  installing and removing 7-41
'srvr' alias type 7-40
stack, size of 2-32
standard control definition function 5-14
standard file dialog boxes, and disk-inserted events 2-56
Standard File Package
  and disk-inserted events 2-56 to 2-57
standard state of a window 4-33, 4-53, 4-70
Startup Items folder
  alias type for 7-40
  defined 7-44
  finding 7-54
static text items
  getting text from 6-130 to 6-131
  setting text in 6-36 to 6-41, 6-131, 6-153
  specifying in alert or dialog boxes 6-29 to 6-30, 6-153
  substituting text in 6-46 to 6-48
  substituting text strings in 6-129 to 6-130
  user interface guidelines for 6-40 to 6-41
stationery pads
  creating icons for 7-16, 7-19
  default icon for 7-12
  defined 7-4, 7-34 to 7-36
  recognition of 2-120
StillDown function 2-110
StopAlert function 6-109
stop alerts
  creating with the StopAlert function 6-109
  defined 6-9
'STR#' resource type 3-60, 3-65 to 3-67
'STR ' resource type 3-60, 7-27 to 7-30
'strt' folder type 7-54
structure region 4-6, 4-12
Style data type 3-134
StyleItem data type 3-134
Style menu 3-15
  and the Font menu 3-27
  example of 3-15
  keyboard equivalents for 3-19
styles
  changing a menu item's 3-47, 3-60
  of a menu item 3-12
submenus
  creating 3-53 to 3-56
  defined 3-6
Subscriber Options command (Edit menu) 3-25
Subscribe To command (Edit menu) 3-25
suitcases for fonts and desk accessories 7-37
suspend events
  defined 2-10
  handling 2-61 to 2-63
switching
  context 2-15
  major 2-16
  minor 2-16
system alert sounds 6-8, 6-22
SystemClick procedure 4-43, 4-44
SystemClick procedure 2-88, 2-95 to 2-96
system color tables, and Palette Manager 4-21
SystemEdit function 3-122
SystemEvent function 2-97
system event masks 2-28 to 2-29, 2-100
system extensions
  and Extensions folder 7-44
  installing and removing 7-41
System file 7-44
System Folder
  alias type for 7-40
  defined 7-5
  finding 7-54
  organization of 7-41 to 7-45
system-handled menus 3-19
SystemMenu procedure 3-121
SystemTask procedure 2-25, 2-88, 2-96 to 2-97

T

TargetID data type 2-73, 2-82
target ID records 2-82 to 2-83
  receiving 2-74
  sending 2-76
'temp' folder type 7-54
temporary files 7-43, 7-44
Temporary Items folder
  defined 7-43
  finding 7-54
TEPinScroll procedure 5-55 to 5-56
TestControl function 5-93
TEUpdate procedure 5-64 to 5-65
text
  editable, in dialog boxes. *See* editable text items
  handling 1-14 to 1-15
  in buttons, checkboxes, and radio buttons 5-18, 5-19, 5-19 to 5-20, 5-25, 6-37 to 6-40, 6-153
  static, in alert and dialog boxes. *See* static text items
TextEdit
  and Dialog Manager 6-79 to 6-80
  and mouse events 2-37
  handling text 1-14 to 1-15

'TEXT' file type 7-10
text style table 6-160, 6-162 to 6-164
32-by-32 pixel icons (large) 7-11, 7-13
thumb controls. *See* scroll boxes
TickCount function 2-113
Ticks global variable 2-113
title bar 4-5
titles
  changing, for controls 5-96
  determining, for controls 5-104 to 5-105
  for modeless and movable modal dialog boxes 6-25
  of buttons, checkboxes, and radio buttons 6-37 to 6-40, 6-153
  specifying for controls 5-18, 5-19 to 5-20, 5-25, 5-83, 5-85, 5-120, 5-121
Toolbox Event Manager. *See* Event Manager
TopMenuItem global variable 3-151
TrackBox function 4-44, 4-101 to 4-102
TrackControl function 5-35 to 5-37, 5-44, 5-53 to 5-55, 5-58, 5-90 to 5-92, 6-78
  and pop-up menus 3-56
TrackGoAway function 4-44, 4-103 to 4-104
Trash, alias type for 7-40
Trash directories
  appearance to users 7-42
  defined 7-44
  finding 7-54
'trsh' alias type 7-40
'trsh' folder type 7-54
TrueType fonts 7-37
  .*See also* fonts

U

Undo command (Edit menu) 3-25, 6-69
UpdateControls procedure 5-86 to 5-87
UpdateDialog procedure 6-142 to 6-143
update events 4-13
  in alert boxes 6-82
  defined 2-9
  in dialog boxes 6-85, 6-86 to 6-89, 6-97 to 6-100
  for windows 4-41
  handling 2-48 to 2-51, 4-48 to 4-50
  in alert boxes 6-86 to 6-89
  routines for handling 4-106 to 4-107
update region
  defined 4-13
  maintaining 4-41
  redrawing 4-40 to 4-41
UpdtControl procedure. *See* UpdateControls procedure
UpdtDialog procedure. *See* *UpdateDialog* procedure
user interface guidelines
  for Control Manager 5-52 to 5-53
  for controls 5-5 to 5-13
  for Dialog Manager 6-8 to 6-12, 6-31 to 6-34, 6-37 to 6-41, 6-42, 6-62 to 6-64
  for icons 7-13, 7-15
  for static text items 6-40 to 6-41
  for windows 4-5 to 4-7, 4-21, 4-30 to 4-32
user-oriented design 1-5
user state of a window 4-33, 4-53, 4-70
useTextEditServices flag 2-120

V

ValidRect procedure 4-58, 4-108 to 4-109
ValidRgn procedure 4-109
variation codes
  determining, for controls 5-106 to 5-107
  for controls, defined 5-14
  for windows 4-11, 4-112, 4-120
version information for applications
  in Finder windows 7-31
  in information windows 7-32
  in signature resource 7-8
  in 'vers' resource 7-31 to 7-32
version resources 7-31 to 7-32, 7-69 to 7-70
'vers' resource type 7-31 to 7-32, 7-69 to 7-70
virtual key codes 2-40
  of Apple Extended Keyboard II, domestic 2-43
  of Apple Extended Keyboard II, ISO 2-43
  of Apple Keyboard II, ISO 2-42
visible region 4-48
volume catalogs, Finder information in 7-32 to 7-34
volumes, Finder's desktop database for 7-45

W, X, Y

WaitMouseUp function 2-110
WaitNextEvent function 2-86 to 2-89
  and multitasking 2-61
  introduced 2-22 to 2-24
'wctb' resource type 4-71, 4-127 to 4-129
'WDEF' resource type 4-22, 4-120, 4-127
WinCTab data type 4-71 to 4-72
window color table 4-21, 4-71 to 4-73
window definition functions
  defined 4-10
  writing 4-120 to 4-124
window definition IDs
  and window definition functions 4-120
  creating windows, used in 4-80, 4-83 to 4-84

defined 4-11
for a dialog box 6-25
in window resources 4-26, 4-125
window frames 4-6, 4-12 to 4-13, 4-121 to 4-122
window list 4-15, 4-74
`WindowList` global variable 4-74
Window Manager 4-3 to 4-129
and Control Manager 4-14 to 4-15, 5-3
and Dialog Manager 4-13 to ??, 6-15 to 6-16
and Dialog ManagerDialog Manager
and Window Manager ?? to 4-14
application-defined routine for 4-120 to 4-124
data structures in 4-65 to 4-74
events generated by 2-9
global variables 4-75
port 4-74
resources in 4-124 to 4-129
routines in 4-74 to 4-119
initializing 4-74 to 4-75
low-level routines 4-116 to 4-119
window origin
changing 5-44 to 5-45, 5-48 to 5-52
defined 5-45
`WindowPeek` data type 4-20, 4-65
window positioning constants 4-32
`WindowPtr` data type 4-19, 4-65
`WindowRecord` data type 4-19, 4-65, 4-69
window records 4-19 to 4-20, 4-65 to 4-69
window regions 4-12 to 4-13
window resources 4-22, 4-25 to 4-27, 4-124 to 4-127
windows 4-3 to 4-129
activating 4-50 to 4-53
active 4-6
alert boxes and dialog boxes
as types of 6-15 to 6-17
deactivating behind 6-64 to 6-66
closing 4-60 to 4-62, 4-103 to 4-106
color in 4-20 to 4-21, 4-71 to 4-74
content region 4-12
controls in 4-14 to 4-15, 5-82
creating 4-25 to 4-30, 4-75 to 4-85
deallocating 4-61 to 4-62, 4-104 to 4-106
defined 4-4
displaying 4-86 to 4-91
drawing content region 4-39 to 4-40
events in 4-21, 4-22, 4-41 to 4-53
grow image 4-57, 4-87
hiding 4-62 to 4-64, 4-89
inactive 4-6 to 4-7
maintaining update region of 4-106 to 4-109
managing multiple 4-15 to 4-16, 4-23 to 4-25
manipulating
characteristics 4-109 to 4-112
color 4-114 to 4-116
on the desktop 4-112 to 4-114
mouse-down events in 4-42 to 4-45
moving 4-53, 4-94 to 4-99
naming 4-85 to 4-86
parts drawn by the Window Manager 4-12 to 4-13
positioning 4-30 to 4-38
regions in 4-12 to 4-13
resizing 4-57 to 4-59
responding to activate events in 2-51, ?? to 2-56, 4-50 to 4-53
retrieving information 4-91 to 4-94
scrolling 5-9 to 5-10, 5-43 to 5-70
showing 4-62 to 4-64, 4-88
sizing 4-99 to 4-101
standard state 4-33, 4-53, 4-70
structure region 4-12
types of 4-8 to 4-10
updating 2-48 to 2-51, 4-40 to 4-41, 4-48 to 4-50, 5-49 to 5-52, 5-62 to 5-65
user state 4-33, 4-53, 4-70
window-manipulation conventions 4-21
window resources, defining 4-25 to 4-27
zooming 4-53 to 4-56, 4-101 to 4-103
window state data record 4-33, 4-54, 4-70 to 4-71
window types 4-8 to 4-11
`'WIND'` resource type 4-22, 4-25 to 4-27, 4-124 to 4-127
wristwatch cursor 2-64
`WStateData` data type 4-33, 4-54, 4-70 to 4-71

Z

zoom box 4-6
`zoomDocProc` window type 4-8
zooming windows 4-53 to 4-56, 4-101 to 4-103
`zoomNoGrow` window type 4-10
zoom region 4-12
`ZoomWindow` procedure 4-54, 4-57, 4-102 to 4-103